

SURVEY NOTES-HIGH
GEO-445

ADJUSTMENT DATA

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | SHEET NO. | | PAGE | | | | |
|-------------|----------------|--------------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|--|------------------------------------|
| 2.15.85 | | B. Cotcamp | | K. Greenfield | | 6834 | | B. Clark | | 1819 | | 1 | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | | |
| GEORGIA | | Perry East - 7 1/2 | | G.A. | | Houston | | | | | | | | W. Cassidy | | |
| STATION NO. | SLOPE DISTANCE | PLOT DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y | X |
| IK | | | | | | | | | | 351.0 | IK | | | | Y=887,170 X=632,590 T-Intersect EL. 351.0 | |
| | 3091 | | 0 35 32 | -1.6 | +9.9 | 89° 20' | -35.9 | -26.0 | 325.0 | | BS | -3090 | +54 | | | |
| | 3091 | | | | +10.0 | 270° 40' | -35.9 | -25.9 | | | BS | | | | | |
| 1 | 2762 | | 0 24 | -- | 12.8 | 89° 20' | +32.1 | +19.3 | | 344.3 | | +2761 | -58 | 886,841 | 632,586 | |
| 2 | 2433 | | - | -- | 13.3 | 89° 20' | +28.3 | +15.0 | | 340.0 | | +2432 | -51 | 886,512 | 632,593 | |
| 3 | 2103 | | - | -- | 11.1 | 89° 20' | +24.5 | +13.4 | | 338.4 | | +2103 | -44 | 886,183 | 632,600 | |
| 4 | 1773 | | - | -- | 8.7 | 89° 20' | +20.6 | +11.9 | | 336.9 | | +1773 | -37 | 885,853 | 632,607 | |
| 5 | 1443 | | 0 24 | -1.6 | 6.8 | 89° 20' | +16.8 | +10.0 | | 335.0 | | +1443 | -30 | 885,523 | 632,614 | |
| 6 | 1113 | | - | -- | 7.8 | 89° 10' | +16.2 | +8.4 | | 333.4 | | +1113 | -23 | 885,193 | 632,621 | |
| 7 | 783 | | - | -- | 6.9 | 89° 10' | +11.4 | +4.5 | | 329.5 | | +783 | -16 | 884,863 | 632,628 | |
| 8 | 453 | | - | -- | 5.9 | 89° 10' | +6.6 | +0.7 | | 325.7 | | +453 | -9 | 884,533 | 632,635 | |
| 9 | 123 | | - | -- | 4.5 | 89° 10' | +1.8 | -2.7 | | 322.3 | | +123 | -3 | 844,203 | 632,641 | |
| X | 0 | | | | 5.1 | - | | -5.1 | | 319.9 | X | 0 | 0 | 884,080 | 632,646 | |
| IK | 83 | | 150° 08' 40" | -1.6 | 6.5 | 89° 10' | +1.2 | -5.3 | | 319.7 | IK | -71 | +43 | 884,009 | 632,687 | Y=884,015 X=632,705 T-Intersect |
| 10 | 209 | | 163° 10' | -- | 5.6 | 90° 10' | -0.6 | -6.2 | | 318.8 | | -198 | +66 | 883,882 | 632,710 | |
| 11 | 538 | | 160° 40' | -- | 7.0 | 90° 10' | -1.6 | -8.6 | | 316.4 | | -502 | +192 | 883,578 | 632,836 | |
| 12 | 868 | | 160° 15' | -- | 8.9 | 90° 10' | -2.5 | -11.4 | | 313.6 | | -808 | +316 | 883,272 | 632,960 | |
| 13 | 1198 | | - | -- | 9.9 | 90° 10' | -3.5 | -13.4 | | 311.6 | | -1116 | +136 | 882,961 | 633,080 | |
| 14 | 1528 | | 160° 40' | -1.6 | 12.0 | 90° 10' | -4.4 | -16.4 | | 308.6 | | -1427 | +546 | 882,653 | 633,190 | |
| 15 | 1858 | | 160° 55' | -- | 9.0 | 90° 20' | -10.8 | -19.8 | | 305.2 | | -1738 | +656 | 882,342 | 633,300 | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | | |
|-------------|----------------|--------------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|--------|---|
| 2-15-85 | | B. Gt camp | | K. Greenfield | | 6834 | | B. C. K. | | 1819 | | 2 | | | | |
| AREA | | TOPG MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | | |
| GEORGIA | | Perry East - 7 1/2 | | G.A. | | Houston | | | | | | | | W. Cass, dy | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y | X |
| 16 | 2188 | | 160° 55' 48" | -16° | 11.8 | 96° 20' | -12.7 | -24.5 | 246.3004 | 300.4 | TP | -2047 | +772 | 882.033 | 633416 | |
| 16 | 2188 | | | | 12.1 | 268° 40' | -12.7 | -24.8 | | TP | | | | | | |
| | 1975 | | 327° 52' 40" | -- | +4.2 | TH | -9.9 | -5.7 | 294.7 | | BS | -1643 | +1096 | | | |
| | 1975 | | | | +4.1 | TH 270° | -9.9 | -5.8 | | BS | | | | | | |
| 17 | 1646 | | 327° - | -1.6 | 8.0 | TH | +8.2 | +0.2 | | 294.9 | | +1355 | -935 | 881.745 | 633577 | |
| 18 | 1316 | | 326° 50' | -- | 6.6 | - | | -6.6 | | 288.1 | | +1081 | -750 | 881.471 | 633762 | |
| JL | 1058 | | 327° 52' 18" | -- | 7.4 | - | | -7.4 | | 287.3 | JL | +880 | -587 | 881.270 | 633925 | JL 4-881.300 x 633.925 B.R. 109e el. 288.0 |
| 19 | 987 | | 327° 30' | -- | 7.8 | - | | -7.8 | | 286.9 | | +817 | -553 | 881.207 | 633959 | |
| 20 | 658 | | 328° 30' | -- | 8.3 | - | | -8.3 | | 286.4 | | +551 | -359 | 880.941 | 634153 | |
| 21 | 330 | | 332° 20' | -- | 7.8 | - | | -7.8 | | 286.9 | | +288 | -161 | 880.678 | 634351 | |
| 22 | 0 | | | | 5.1 | - | | -5.1 | | 289.6 | TP | 0 | 0 | 880.370 | 634512 | |
| 23 | 330 | | 159° 58' | -1.6 | 9.8 | 88° 30' | +8.6 | -1.2 | | 293.5 | | +307 | +122 | 880.083 | 634634 | |
| 24 | 660 | | - | | 10.9 | 88° 30' | +17.3 | +6.4 | | 301.1 | | -614 | +243 | 879.776 | 634755 | |
| 25 | 990 | | - | | 7.8 | 88° 30' | +25.9 | +18.1 | | 312.8 | | -920 | +365 | 879.470 | 634877 | |
| 26 | 1320 | | - | | 11.3 | 88° - | +46.0 | +34.7 | | 329.4 | | -1227 | +487 | 879.163 | 634999 | |
| 27 | 1650 | | - | | 4.2 | 88° - | +57.6 | +53.4 | | 348.1 | | -1534 | +608 | 878.856 | 635120 | |
| 28 | 1979 | | 160° 20' | -- | 7.0 | 87° 40' | +80.5 | +73.5 | | 368.2 | | -1844 | +718 | 878.546 | 635230 | |
| TP | 2212 | | 160° 39' 42" | -- | 0.8 | 87° 40' | +90.0 | +89.2 | | 383.9 | TP | -2064 | +790 | 878.326 | 635302 | |
| TP | 2212 | | | | 7.4 | 272° 30' | +96.5 | +89.1 | | TP | | | | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | | | | |
|-------------|----------------|-------------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|----------|-----------------|------|---------------|---------|--|--|---------|
| 2:15.85 | | B. Cotcamp | | K. Greenfield | | 6834 | | BCK | | #19 | | 3 | | | | | | |
| AREA | | TOP MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | | | | |
| GEORGIA | | Perry East-7 1/2 | | G.A. | | Houston | | | | | | | | W. Cassidy | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | NORTH + SOUTH - | | EAST + WEST - | | COORDINATES | | REMARKS |
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | | |
| | 690 | | 2° 10' 56" | -1.6 | +9.6 | 93° | +36.1 | +45.7 | 429.6 | | BS | -689 | -7 | | | | | |
| | 690 | | | | +7.6 | 93° 16' | +38.1 | +45.7 | | | | BS | | | | | | |
| 29 | 587 | | 0° 35' | -- | 7.1 | 93° 10' | -32.4 | -39.5 | | 390.1 | | +587 | -10 | 878.224 | 635.285 | | | |
| 30 | 257 | | 0° 30' | -- | 8.4 | 92° 10' | -9.7 | -18.1 | | 411.5 | | +257 | -5 | 877.894 | 635.295 | | | |
| π | 0 | | | | 5.1 | - | | -5.1 | | 424.5 | π | 0 | 0 | 877.637 | 635.256 | | | |
| 31 | 81 | | 210° 10' | -1.6 | 5.8 | 88° 10' | +2.6 | -3.2 | | 426.4 | | -71 | -39 | 877.566 | 635.256 | | | |
| 32 | 408 | | 198° 05' | -- | 5.0 | 89° | +7.1 | +2.1 | | 431.7 | | -391 | -116 | 877.246 | 635.179 | | | |
| 31 | 424 | | 196° 29' 17" | -- | 4.5 | 89° | +7.4 | +2.9 | | 432.5 | 31 | -410 | -109 | 877.227 | 635.186 | 4-877.245 X-635.190 T-Inter. E1.432.0 | | |
| 33 | 738 | | 197° | -- | 8.8 | 89° | +12.9 | +4.1 | | 433.7 | | -712 | -196 | 876.925 | 635.099 | | | |
| 34 | 1068 | | - | -- | 9.2 | 89° | +18.6 | +9.4 | | 439.0 | | -1030 | -284 | 876.607 | 635.011 | | | |
| 35 | 1398 | | - | -- | 9.1 | 89° | +24.4 | +15.3 | | 444.9 | | -1348 | -371 | 876.289 | 634.924 | | | |
| 36 | 1728 | | - | -- | 12.4 | 89° | +30.2 | +17.8 | | 447.4 | | -1666 | -459 | 875.971 | 634.836 | | | |
| 37 | 2057 | | 196° 58' 10" | -1.6 | 12.4 | 89° 20' | +23.9 | +11.5 | | 441.1 | TP | -1983 | -545 | 875.654 | 634.750 | | | |
| 37 | 2057 | | | | 12.3 | 270° 40' | +23.9 | +11.6 | | | TP | | | | | | | |
| | 1649 | | 17° 15' 28" | -1.6 | +11.5 | 87° 10' | -81.4 | -69.9 | 371.2 | | BS | -1586 | -445 | | | | | |
| | 1649 | | | | +6.7 | 87° 20' | -76.6 | -69.9 | | | | BS | | | | | | |
| 38 | 1320 | | 17° 08' | -- | 8.3 | 87° 10' | +65.2 | +56.9 | | 428.1 | | +1272 | +353 | 875.340 | 634.658 | | | |
| 39 | 990 | | - | -- | 8.2 | 87° 10' | +48.9 | +40.7 | | 411.9 | | +954 | +265 | 875.022 | 634.570 | | | |
| 40 | 660 | | - | -- | 8.5 | 87° 10' | +32.6 | +24.1 | | 395.3 | | +636 | +177 | 874.704 | 634.482 | | | |
| 41 | 330 | | 16° 24' | -- | 8.0 | 87° 10' | +16.3 | +8.3 | | 379.5 | | +319 | +84 | 874.387 | 634.389 | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|---------------------|--------------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|----------------------|--------------------|---------------|---------|
| 2.15.85 | | B. Cotcamp | | K. Greenfield | | 6834 | | B.C. W | | 18 19 | | 4 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| GEORGIA | | Perry East - 7 1/2 | | G.A. | | Houston | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 371.2 | | | | | | |
| 42 | 0 | | | | 5.1 | - | | -5.1 | | 366.1 | TP | 0 | 0 | 874,068 | 634,305 |
| 43 | 330 | | 192° - | -1.6 | 10.0 | 90° 10' | -1.0 | -11.0 | | 360.2 | | -325 | -60 | 873,743 | 634,245 |
| 44 | 660 | | 190° 15' | -- | 9.1 | 90° 10' | -1.9 | -11.0 | | 360.2 | | -652 | -99 | 873,416 | 634,206 |
| Bm | 731 | | 190° 19 11 | -- | 7.7 | 90° 10' | -2.1 | -9.8 | | 361.4 | Bm | -723 | -111 | 873,315 | 634,194 |
| 45 | 989 | | 189° 45' | -- | 10.0 | 89° 50' | +2.9 | -7.1 | | 364.1 | | -979 | -140 | 873,089 | 634,165 |
| 46 | 988 1318 | | 189° 20' | -- | 11.1 | 89° - | +23.0 | +11.9 | | 383.1 | | -1306 | -177 | 872,762 | 634,128 |
| 47 | 1647 | | 189° 40' | -1.6 | 9.0 | 88° 30' | +43.1 | +34.1 | | 405.3 | | -1631 | -231 | 872,437 | 634,074 |
| 48 | 1976 | | 190° 30' | -- | 7.3 | 88° 10' | +63.2 | +55.9 | | 427.1 | | -1952 | -306 | 872,116 | 633,999 |
| 49 | 2305 | | 191° 03 H | -- | 9.2 | 88° - | +80.4 | +71.2 | | | TP | -2272 | -378 | 871,796 | 633,927 |
| 49 | 2305 | | | | 9.1 | 272° - | +80.4 | +71.3 | | 442.5 | TP | | | | |
| | 2376 | | 14° 46 28 | -1.6 | +6.7 | 91° - | +41.5 | +48.2 | } 490.7 | | BS | -2313 | -541 | | |
| | 2376 | | | | +6.6 | 269° - | +41.5 | +48.1 | | | | BS | | | |
| 50 | 2047 | | 14° 50' | -- | 5.3 | 91° - | -35.7 | -41.0 | | 449.9 | | +1993 | +469 | 871,476 | 633,855 |
| 51 | 1717 | | 14° 40' | -- | 9.2 | 90° 50' | -25.0 | -34.2 | | 456.5 | | +1673 | +388 | 871,156 | 633,774 |
| 52 | 1381 | | 14° 30' | -- | 8.8 | 90° 50' | -20.2 | -29.0 | | 461.7 | | +1352 | +310 | 870,835 | 633,696 |
| 53 | 1057 | | 14° 20' | -- | 8.9 | 90° 50' | -15.4 | -24.3 | | 466.4 | | +1031 | +233 | 870,514 | 633,619 |
| 54 | 727 | | 14° - | -- | 9.3 | 90° 50' | -10.6 | -19.9 | | 470.8 | | +710 | +156 | 870,193 | 633,542 |
| 55 | 397 | | 14° 05' | -- | 10.0 | 90° 50' | -5.8 | -15.8 | | 474.9 | | +388 | +86 | 869,871 | 633,472 |
| 56 | 103 | | 56 25 | -- | 11.8 | 90° 50' | -1.5 | -13.3 | | 477.4 | | +59 | +84 | 869,542 | 633,470 |
| TP | 0 | | | | 5.1 | - | | -5.1 | | 485.6 | TP | 0 | 0 | 869,483 | 633,386 |

y = 873,315 x = 634,200
w.s. G.S. Bm EL. 362.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 2-15-85 INSTRUMENT MAN B. Cotcamp ROD MAN K. Greenfield PARTY NUMBER 6834 NOTES CHECKED BY B.C.W. LINE NO. 1819 PAGE 5
 AREA GEORGIA TOPO MAP Perry East-7 1/2' STATE G.A. COUNTY Houston TWP RANGE PPM PARTY MANAGER W. Cassidy

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | | EAST + WEST - | | COORDINATES | | REMARKS |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|-----------------|-------|---------------|---------|-------------|--|-----------------------------------|
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | | |
| #1 | 128 | | 114° 46' 25" | -1.6° | 10.8 | 91° - | -2.2 | -13.0 | | 477.7 | #1 | -50 | +118 | 869.433 | 633.504 | | | 7-869,450 x T-intersect pt. 474.0 |
| 57 | 310 | | 147° 20' | -- | 7.7 | 90° 46' | -3.6 | -11.3 | | 479.4 | | -256 | +175 | 869.227 | 633.561 | | | |
| 58 | 639 | | 149° 03' | -- | 7.5 | 90° 10' | -1.9 | -9.4 | | 481.3 | | -539 | +344 | 868.944 | 633.730 | | | |
| 59 | 969 | | - | -- | 7.0 | - | - | -7.0 | | 483.7 | | -817 | +521 | 868.666 | 633.907 | | | |
| 60 | 1299 | | - | -- | 5.1 | - | - | -5.1 | | 485.6 | | -1095 | +699 | 868.388 | 634.085 | | | |
| 61 | 1629 | | 148° 53' | -- | 8.3 | - | - | -8.3 | | 482.4 | | -1371 | +880 | 868.112 | 634.266 | | | |
| 62 | 1958 | | 148° 57' 36" | - | 11.6 | - | - | -11.6 | | 479.1 | TP | -1649 | +1056 | 867.834 | 634.442 | | | |
| 62 | 1958 | | | | 11.6 | 270° - | - | -11.6 | | | TP | | | | | | | |
| | 3975 | | 328° 12' 29" | -1.8° | +12.6 | 90° 04' | +4.6 | +17.2 | 471.4962 | | BS | -3311 | +2199 | | | | | |
| | 3975 | | | | +14.7 | 269° 58' | +2.3 | +17.0 | | | BS | | | | | | | |
| 63 | 3645 | | 328° 10' | -- | 8.7 | 90° 10' | -10.6 | -19.3 | | 476.9 | | +3035 | -2019 | 867.558 | 634.622 | | | |
| 64 | 3315 | | - | -- | 8.1 | 90° 10' | -9.6 | -17.7 | | 478.5 | | +2760 | -1836 | 867.283 | 634.805 | | | |
| 65 | 2985 | | 328° 05' | -- | 12.1 | 90° 02' | -1.7 | -13.8 | | 482.4 | | +2483 | -1657 | 867.006 | 634.984 | | | |
| 66 | 2655 | | 327° 58' | -1.8° | 10.0 | 90° 02' | -1.5 | -11.5 | | 484.7 | | +2205 | -1478 | 866.728 | 635.163 | | | |
| 67 | 2325 | | - | -- | 9.3 | - | - | -9.3 | | 486.9 | | +1931 | -1295 | 866.454 | 635.346 | | | |
| 68 | 1995 | | 327° 50' | -- | 8.1 | - | - | -8.1 | | 488.1 | | +1655 | -1115 | 866.178 | 635.526 | | | |
| 69 | 1665 | | 327° 45' | -- | 7.2 | - | - | -7.2 | | 489.0 | | +1380 | -932 | 865.903 | 635.709 | | | |
| 70 | 1336 | | 327° 10' | -- | 5.8 | - | - | -5.8 | | 490.4 | | +1099 | -759 | 865.622 | 635.882 | | | |
| 71 | 1004 | | 326° 40' | -- | 9.5 | TH | +5.0 | -4.5 | | 491.7 | | +823 | -579 | 865.346 | 636.062 | | | |
| 72 | 676 | | - | -- | 6.3 | TH | +3.4 | -2.9 | | 493.3 | | +553 | -389 | 865.076 | 636.252 | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|----------------------|--------------------|---------------|---------|
| 2-15-85 | | B. Cotcamp | | K. Greenfield | | 6834 | | BCW | | #19 | | 6 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| GEORGIA | | Perry East-7 1/2' | | G.A. | | Houston | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 496.2 | | | | | | |
| 73 | 348 | | 328° 35' | -1.8° | 5.4 | TH | +1.7 | -3.7 | | 492.5 | | +291 | -191 | 864,814 | 636,450 |
| 74 | 55 | | 36° 25' | -- | 5.1 | - | | -5.1 | | 491.1 | | +45 | +31 | 864,568 | 636,672 |
| π | 0 | | | | 5.1 | - | | -5.1 | | 491.1 | π | 0 | 0 | 864,523 | 636,641 |
| 75 | 324 | | 128° - | -1.8° | 5.0 | - | | -5.0 | | 491.2 | | -191 | +261 | 864,332 | 636,902 |
| Bm | 507 | | 121° 57' 38" | -- | 7.2 | - | | -7.2 | | 489.0 | Bm | -255 | +438 | 864,268 | 637,079 |
| 76 | 652 | | 130° 50' | -- | 7.3 | - | | -7.3 | | 488.9 | | -411 | +506 | 864,112 | 637,147 |
| 77 | 982 | | - - | -- | 11.3 | - | | -11.3 | | 484.9 | | -618 | +763 | 863,905 | 637,404 |
| 78 | 1312 | | - - | -- | 9.9 | BH | -6.6 | -16.5 | | 479.7 | | -826 | +1019 | 863,697 | 637,660 |
| 79 | 1642 | | 130° 25' | -1.8° | 11.9 | BH | -8.2 | -20.1 | | 476.1 | | -1025 | +1283 | 863,498 | 637,924 |
| 80 | 1972 | | 130° 10' | -- | 13.0 | BH | -9.9 | -22.9 | | 473.3 | | -1224 | +1546 | 863,299 | 638,187 |
| 81 | 2301 | | 130° 10' | -- | 13.0 | BH | -11.5 | -24.5 | | 471.7 | | -1428 | +1804 | 863,095 | 638,445 |
| 82 | 2631 | | - - | -- | 12.0 | BH | -13.2 | -25.2 | | 471.0 | | -1633 | +2063 | 862,890 | 638,704 |
| 83 | 2960 | | 130° 40' | -1.8° | 11.9 | BH | -14.8 | -26.7 | | 469.5 | | -1857 | +2305 | 862,666 | 638,944 |
| 84 | 3290 | | 130° 55' | -- | 10.9 | BH | -16.5 | -27.4 | | 468.8 | | -2076 | +2553 | 862,447 | 639,194 |
| 85 | 3620 | | 131° 10' | -- | 7.9 | BH | -18.1 | -26.0 | | 470.2 | | -2296 | +2799 | 862,227 | 639,440 |
| 86 | 3949 | | 131° 30' | -- | 10.7 | 90° 10' | -11.5 | -22.2 | | 474.0 | | -2522 | +3038 | 862,001 | 639,679 |
| 87 | 4275 | | 132° 05' | -- | 7.0 | 90° 10' | -12.4 | -19.4 | | 476.8 | | -2764 | +3261 | 861,759 | 639,902 |
| 88 | 4598 | | 133° 05' | -- | 6.3 | 90° 10' | -13.4 | -19.7 | | 476.5 | | -3034 | +3455 | 861,489 | 640,096 |
| TP | 4766 | | 133° 40' 40" | -- | 5.5 | 90° 10' | -13.9 | -19.4 | 29.5 | 476.7 | TP | -3182 | +3549 | 861,341 | 640,190 |
| TP | 4766 | | | -- | 8.5 | 269° 52' | -11.1 | -19.6 | | | TP | | | | |

y-864,300 x-637,100
U.S.G.S. Bm El. 488.0

Perry East - 7 1/2'

UNADILLA - 7 1/2'

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|---------------|----------------|-------------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|---------|
| 2-15-85 | | B. Cotcamp | | K. Greenfield | | 6834 | | K. Greenfield | | 1819 | | 7 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| GEORGIA | | UNADILLA-7 1/2' | | G.A. | | Houston | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | 1334 | | 345 56 17 | -1.8 | +12.4 | 89- | -23.3 | -10.9 | 465.8 | | BS | -1283 | +365 | | |
| | 1334 | | | | +12.3 | 271- | -23.3 | -11.0 | | | BS | | | | |
| 89 | 1184 | | 347 30 | -- | 9.8 | 89- | +20.7 | +10.9 | | 476.7 | | +1147 | -292 | 861,205 | 640,263 |
| 90 | 859 | | 350 50 | -- | 5.0 | 89- | +15.0 | +10.0 | | 475.8 | | +843 | -163 | 860,901 | 640,392 |
| 91 | 532 | | 354 30 | -- | 7.2 | 88 40 | +12.4 | +5.2 | | 471.0 | | +528 | -68 | 860,586 | 640,487 |
| 92 | 203 | | 357 20 | -- | 6.3 | 88 40 | +4.7 | -1.6 | | 464.2 | | +202 | -16 | 860,260 | 640,539 |
| \bar{x} | 0 | | | | 5.1 | - | | -5.1 | | 460.7 | \bar{x} | 0 | 0 | 860,058 | 640,555 |
| 93 | 127 | | 180 0 | -1.8 | 7.7 | - | | -7.7 | | 458.1 | | -127 | +4 | 859,931 | 640,559 |
| 94 | 457 | | 181 30 | -- | 11.0 | - | | -11.0 | | 454.8 | | -457 | +2 | 859,601 | 640,557 |
| 95 | 787 | | 181 35 | -- | 10.7 | - | | -10.7 | | 455.1 | | -787 | +3 | 859,271 | 640,558 |
| $\frac{1}{2}$ | 888 | | 180 54 56 | -- | 9.8 | - | | -9.8 | | 456.0 | $\frac{1}{2}$ | -888 | +14 | 859,170 | 640,569 |
| 96 | 1117 | | 181 53 | -- | 9.1 | - | | -9.1 | | 456.7 | | -1117 | -2 | 858,941 | 640,553 |
| 97 | 1447 | | - - | -1.8 | 8.1 | - | | -8.1 | | 457.7 | | -1447 | -2 | 858,611 | 640,553 |
| 98 | 1777 | | 181 50 13 | -- | 6.7 | - | | -6.7 | | | TP | -1777 | -1 | 858,281 | 640,554 |
| 98 | 1777 | | | | 6.6 | 270- | | -6.6 | | 459.2 | TP | | | | |
| | 3300 | | 1 54 35 | -- | +9.6 | 87 50 | -9.6 | +0.2 | 60.4 459.6 | | BS | -3300 | -6 | | |
| | 3300 | | | | +10.1 | 270 10 | -9.6 | +0.5 | | | BS | | | | |
| 99 | 2970 | | 1 55 | -- | 14.2 | TM | +14.9 | +0.7 | | 460.3 | | +2970 | +6 | 857,951 | 640,554 |
| 100 | 2640 | | - | -- | 13.2 | TM | +13.2 | +0.0 | | 459.6 | | +2640 | +5 | 857,621 | 640,553 |
| 101 | 2310 | | - | -- | 3.6 | - | | -3.6 | | 456.0 | | +2310 | +5 | 857,291 | 640,553 |

$\frac{1}{2}$ y=859,160 x=640,570
 $\frac{1}{2}$ HWAY INTER. EL. 456.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|---------------|-------------|-------------------|-----------------|-------------------------|-------------------------|----------------------|----------|-------------------------|-----------------------|---------------|---------|
| 2-16-85 | | B. Cotcamp | | K. Greenfield | | 6834 | | KWG | | 1819 | | 8 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| GEORGIA | | UNADILLA - 7 1/2' | | G.A. | | Houston | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 459.6 | | | | | | |
| 102 | 1980 | | 1° 55' | -1.8° | 7.5 | - | | -7.5 | | 452.1 | | +1980 | +4 | 856.961 | 640.552 |
| 103 | 1650 | | - | -- | 11.4 | - | | -11.4 | | 448.2 | | +1650 | +3 | 856.631 | 640.551 |
| 104 | 1320 | | - | -- | 7.8 | BH | -8.3 | -16.1 | | 443.5 | | +1320 | +3 | 856.301 | 640.551 |
| 105 | 990 | | 1° 55' | -- | 12.1 | - | | -12.1 | | 447.5 | | +990 | +2 | 855.971 | 640.550 |
| 106 | 660 | | - | -- | 8.3 | - | | -8.3 | | 451.3 | | +660 | +1 | 855.641 | 640.549 |
| 107 | 330 | | - | -- | 5.6 | - | | -5.6 | | 454.0 | | +330 | +1 | 855.311 | 640.549 |
| 108 | 0 | | | | 5.1 | - | | -5.1 | | 454.5 | X | 0 | 0 | 854.981 | 640.548 |
| 109 | 330 | | 181° 49' | -1.8° | 6.5 | - | | -6.5 | | 453.1 | | -330 | ±0 | 854.651 | 640.548 |
| 110 | 660 | | - | -- | 7.2 | - | | -7.2 | | 452.4 | | -660 | ±0 | 854.321 | 640.548 |
| 111 | 990 | | - | -- | 7.8 | - | | -7.8 | | 451.8 | | -990 | ±0 | 853.991 | 640.548 |
| 112 | 1320 | | - | -- | 5.7 | - | | -5.7 | | 453.9 | | -1320 | ±0 | 853.661 | 640.548 |
| 113 | 1650 | | 181° 49' | -1.8° | 10.8 | TH | +8.3 | -2.5 | | 457.1 | | -1650 | ±0 | 853.331 | 640.548 |
| 114 | 1980 | | - | -- | 9.1 | TH | +9.9 | +0.8 | | 460.4 | | -1980 | -1 | 853.001 | 640.547 |
| 115 | 2310 | | - | -- | 7.8 | TH | +11.6 | +3.8 | | 463.4 | | -2310 | -1 | 852.671 | 640.547 |
| 116 | 2640 | | - | -- | 7.4 | TH | +13.2 | +5.8 | | 465.4 | | -2640 | -1 | 852.341 | 640.547 |
| 117 | 2970 | | - | -- | 7.0 | TH | +14.9 | +7.9 | | 467.5 | | -2970 | -1 | 852.011 | 640.547 |
| 118 | 3300 | | 181° 46' 55" | -- | 7.3 | TH | +16.5 | +9.2 | +9.1 | 468.7 | TP | -3300 | +1 | 851.680 | 640.550 |
| 118 | 3300 | | | | 7.6 | TH ₂₇₀ | +16.5 | +8.9 | | | TP | | +1 | | |
| | 2639 | | 1° 57' 32" | -1.8° | 11.7 | 89° 10' | -38.4 | -26.7 | -26.5 4422 | | BS | -2639 | -7 | | |
| | 2639 | | | | +12.6 | 270° 50' | -38.4 | -26.4 | | | BS | - | +1 | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | | | | | | | | | |
|------|---------|----------------|-------------------|---------|---------------|--------------|---------|------------------|-----|-----------|-------|------|---------------|------------|
| DATE | 2-16-85 | INSTRUMENT MAN | B. Cotamp | ROD MAN | K. Greenfield | PARTY NUMBER | 6834 | NOTES CHECKED BY | KUC | SHEET NO. | 18-19 | PAGE | 9 | |
| AREA | GEORGIA | TOPO MAP | UNADILLA - 7 1/2' | STATE | G.A. | COUNTY | Houston | TWP | | RANGE | | PPM | PARTY MANAGER | W. Cassidy |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | | EAST + WEST - | | COORDINATES | | REMARKS | |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|------|---------------|---------|-------------|--|---------|--|
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | | | |
| | | | | | | | | | 442.2 | | | | | | | | | | |
| 119 | 2310 | | 1° 55' | -1.8° | 8.7 | 89° 10' | +33.6 | +24.9 | | 467.1 | | +2310 | +5 | 851,350 | 640,549 | | | | |
| 41 | 2030 | | 2° 16' 58" | -- | 9.4 | 89° 10' | +29.5 | +20.1 | | 462.3 | 41 | +2030 | +17 | 851,070 | 640,561 | 41 | -851,080 x -640,545 T-Inter. EL. 463.0 | | |
| 120 | 1980 | | 1° 55' | -- | 9.8 | 89° 10' | +28.8 | +19.0 | | 461.2 | | +1980 | +4 | 851,020 | 640,548 | | | | |
| 121 | 1650 | | -- | -- | 10.9 | 89° 10' | +24.0 | +13.1 | | 455.3 | | +1650 | +3 | 850,690 | 640,547 | | | | |
| 122 | 1320 | | -- | -- | 11.3 | 89° 10' | +19.2 | +7.9 | | 450.1 | | +1320 | +3 | 850,360 | 640,547 | | | | |
| 123 | 990 | | -- | -- | 10.9 | 89° 10' | +14.4 | +3.5 | | 445.7 | | +990 | +2 | 850,030 | 640,546 | | | | |
| 124 | 660 | | -- | -- | 9.6 | 89° 10' | +9.6 | +0.0 | | 442.2 | | +660 | +1 | 849,700 | 640,545 | | | | |
| 125 | 330 | | -- | -- | 8.2 | 89° 10' | +4.8 | -3.4 | | 438.8 | | +330 | +1 | 849,370 | 640,545 | | | | |
| IF | 133 | | 7° 08' 48" | -1.8° | 6.0 | 89° 10' | +1.9 | -4.1 | | 438.1 | IF | +132 | +12 | 849,172 | 640,556 | IF | -849,145 x -640,555 T-Intersect EL. 438 | | |
| 126 | 0 | | | | 5.1 | - | - | -5.1 | | 437.1 | 1 | 0 | 0 | 849,040 | 640,544 | | | | |
| 127 | 330 | | 181° 30' | -- | 5.9 | - | - | -5.9 | | 436.3 | | -330 | +2 | 848,710 | 640,546 | | | | |
| 128 | 660 | | 181° 10' | -- | 8.3 | - | - | -8.3 | | 433.9 | | -660 | +7 | 848,380 | 640,551 | | | | |
| 129 | 990 | | 180° 50' | -- | 11.8 | - | - | -11.8 | | 430.4 | | -990 | +17 | 848,050 | 640,561 | | | | |
| 130 | 1320 | | 180° 45' | -- | 8.2 | BH | -6.6 | -14.8 | | 427.4 | | -1320 | +24 | 847,720 | 640,568 | | | | |
| 131 | 1650 | | 180° 40' | -1.8° | 9.6 | BH | -8.3 | -17.9 | | 424.3 | | -1650 | +33 | 847,390 | 640,577 | | | | |
| 132 | 1979 | | 180° 30' | -- | 9.4 | 90° 24' | -13.8 | -23.2 | | 419.0 | | -1978 | +45 | 847,062 | 640,589 | | | | |
| 133 | 2307 | | 181° 25' | -- | 9.2 | 90° 30' | -20.1 | -29.3 | | 412.9 | | -2307 | +15 | 846,733 | 640,559 | | | | |
| TP | 2471 | | 181° 24' 30" | -- | 9.0 | 90° 30' | -21.6 | -30.6 | | 411.6 | TP | -2471 | +17 | 846,568 | 640,562 | | | | |
| TP | 2471 | | | -- | 9.1 | 269° 30' | -21.6 | -30.7 | | | TP | -1 | 11 | | | | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|------------------|---|
| 2-16-85 | | B. Cotcamp | | K. Greenfield | | 6834 | | B.C.W | | 18 19 | | 10 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| GEORGIA | | UNADILLA-7 1/2' | | G.A. | | Houston | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | | 411.6 | | | | | |
| | 1499 | | 41 18 06 | -1.8 | 8.8 | - | | +8.8 | | | BS | -1157 | -954 | | |
| | 1499 | | | | +8.9 | 270°- | | +8.9 | 420.5 | | BS | -1 | -1 | | |
| 134 | 1317 | | 41 40 | - | 10.7 | - | | -10.7 | | 409.8 | | +1011 | +844 | 846,421 640,453 | |
| 135 | 990 | | 44 30 | - | 12.8 | - | | -12.8 | | 407.7 | | +728 | +671 | 846,138 640,280 | |
| 136 | 660 | | - | - | 10.0 | BH | -3.3 | -13.3 | | 407.2 | | +485 | +448 | 845,895 640,1057 | |
| 137 | 330 | | - | - | 7.0 | - | | -7.0 | | 413.5 | | +243 | +224 | 845,653 639,833 | |
| 138 | 0 | | | | 5.1 | - | | -5.1 | | 415.4 | X | 0 | 0 | 845,410 639,609 | |
| 139 | 330 | | 224 - | -1.8 | 9.1 | - | | -9.1 | | 411.4 | | -244 | -222 | 845,166 639,387 | |
| 140 | 659 | | 223 30 | - | 10.2 | BH | -3.3 | -13.5 | | 407.0 | | -492 | -438 | 844,918 639,171 | |
| TP | 891 | | 218 16 50 | - | 12.0 | 90 30 | -7.8 | -19.8 | | 400.7 | TP | -716 | -530 | 844,693 639,080 | |
| TP | 891 | | | | 12.1 | 269 30 | -7.8 | -19.9 | | | TP | -1 | -1 | | |
| | 1738 | | 25 16 06 | -1.8 | 0.9 | TH | -8.7 | -7.8 | | | BS | -1594 | -692 | | |
| | 1738 | | | | +1.0 | TH 270° | -8.7 | -7.7 | 393.0 | | BS | -1 | -1 | | |
| 141 | 1650 | | 25 15' | - | 3.6 | TH | +8.3 | +4.7 | | 397.7 | | +1514 | +657 | 844,612 639,046 | |
| 142 | 1320 | | - | - | 5.6 | - | | -5.6 | | 387.4 | | +1211 | +525 | 844,309 638,914 | |
| 143 | 990 | | - | - | 10.0 | - | | -10.0 | | 383.0 | | +908 | +394 | 844,000 638,783 | |
| 144 | 660 | | - | - | 7.8 | - | | -7.8 | | 385.2 | | +605 | +263 | 843,703 638,652 | |
| 145 | 330 | | - | - | 5.4 | - | | -5.4 | | 387.6 | | +303 | +131 | 843,401 638,520 | |
| 146 | 0 | | | | 5.1 | - | | -5.1 | | 387.9 | X | 0 | 0 | 843,098 638,389 | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|----------------------|--------------------|---------------|---------|
| 2-15-85 | | B. Cotcamp | | K. Greenfield | | 6834 | | B.C.W. | | H19 | | 11 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| GEORGIA | | UNADILLA -7 1/2' | | G.A. | | Houston | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 393.0 | | | | | | |
| 147 | 330 | | 205° 25' | -18' | 6.8 | 91° - | -5.8 | -12.6 | | 380.4 | | -302 | -132 | 842,796 | 638,257 |
| 148 | 660 | | - - | -- | 10.1 | 91° - | -11.5 | -21.6 | | 371.4 | | -605 | -264 | 842,493 | 638,125 |
| 149 | 989 | | 206° 25' | -- | 6.6 | 91° - | -17.3 | -23.9 | | 369.1 | | -899 | -412 | 842,499 | 637,977 |
| TP | 1217 | | 206° 41' 05" | -1.7' | 5.6 | 91° - | -21.2 | -26.8 | | 366.2 | TP | -1103 | -514 | 841,994 | 637,876 |
| TP | 1217 | | | | 5.7 | 269° - | -21.2 | -26.9 | | | TP | - | - | | |
| | 2414 | | 47° 05' 39" | -1.7' | 9.0 | 90° 40' | +28.1 | +37.1 | 403.3 | | BS | -1695 | -1719 | | |
| | 2414 | | | | 9.1 | 269° 20' | +28.1 | +37.2 | | | BS | - | - | | |
| 150 | 2305 | | 46° 54' | -- | 9.0 | 90° 44' | -29.5 | -38.5 | | 364.8 | | +1624 | +1636 | 841,922 | 637,794 |
| 151 | 1976 | | 47° 22' | -- | 6.3 | 91° 20' | -46.0 | -52.3 | | 351.0 | | +1381 | +1413 | 841,679 | 637,571 |
| #1 | 1791 | | 47° 47' 05" | -- | 10.7 | 91° 46' | -52.1 | -62.8 | | 340.5 | #1 | +1242 | +1290 | 841,540 | 637,448 |
| 152 | 1647 | | 47° 22' | -1.7' | 8.8 | 92° 10' | -62.2 | -71.0 | | 332.3 | | +1151 | +1178 | 841,449 | 637,336 |
| 153 | 1318 | | - - | -- | 8.2 | 93° 10' | -72.7 | -80.9 | | 322.4 | | +921 | +943 | 841,219 | 637,101 |
| 154 | 989 | | - - | -- | 7.0 | 94° 10' | -71.7 | -78.7 | | 324.6 | | +691 | +707 | 840,989 | 636,865 |
| 155 | 660 | | - - | -- | 11.0 | 94° 40' | -53.5 | -64.5 | | 338.8 | | +461 | +472 | 840,759 | 636,630 |
| 156 | 330 | | - - | -- | 4.6 | 94° 40' | -26.8 | -31.4 | | 371.9 | | +231 | +236 | 840,529 | 636,394 |
| 157 | 0 | | | | 5.1 | - | | 5.1 | | 398.2 | T | 0 | 0 | 840,298 | 636,158 |
| 158 | 330 | | 226° 20' | -1.7' | 6.2 | 88° 10' | +10.6 | +4.4 | | 407.7 | | -235 | -232 | 840,063 | 635,926 |
| 159 | 660 | | 226° - | -- | 10.3 | 88° 10' | +21.1 | +10.8 | | 414.1 | | -472 | -461 | 839,826 | 635,697 |
| 160 | 990 | | 225° 30' | -- | 8.2 | 88° 40' | +23.0 | +14.8 | | 418.1 | | -715 | -685 | 839,583 | 635,473 |

#1 - 841,530 x - 637,450
T-Intersect EL. 310.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|----------|-------------------------|-----------------------|---------------|---------|
| 2-16-85 | | B. Cotcamp | | K. Greenfield | | 6834 | | B. C. K. | | 4719 | | 12 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| GEORGIA | | UNADILLA-7 1/2' | | G.A. | | Houston | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 403.3 | | | | | | |
| 161 | 1319 | | 225° 14' 44" | -1.7° | 10.4 | 89° - | +23.0 | +12.6 | | | TP | -956 | -909 | 839,341 | 635,250 |
| 161 | 1319 | | | | 10.5 | 271° - | +23.0 | +12.5 | | 415.8 | TP | -1 | -1 | | |
| | 1468 | | 42° 18' 06" | -- | +9.1 | 88° 30' | -38.4 | -29.3 | | | BS | -1114 | -955 | | |
| | 1468 | | | | +9.3 | 271° 30' | -38.4 | -29.1 | 386.6 | | BS | -1 | -1 | | |
| 162 | 1139 | | 41° 35' | -- | 7.8 | 88° 40' | +26.5 | +18.7 | | 405.3 | | +874 | +730 | 839,100 | 635,026 |
| 163 | 809 | | 40° 10' | -- | 10.3 | 88° 40' | +18.8 | +8.5 | | 395.1 | | +633 | +503 | 838,859 | 634,799 |
| 164 | 481 | | 37° 15' | -- | 11.0 | 88° 40' | +11.2 | +0.2 | | 386.8 | | +391 | +280 | 838,617 | 634,576 |
| 165 | 153 | | 31° - | -- | 7.0 | 88° 40' | +3.6 | -3.4 | | 383.2 | | +133 | +75 | 838,359 | 634,371 |
| Σ | 0 | | | | 5.1 | - | | -5.1 | | 381.5 | Σ | 0 | 0 | 838,226 | 634,296 |
| # | 75 | | 195° 12' 22" | -1.7° | 6.7 | 88° 40' | +1.7 | -5.0 | | 381.6 | # | -73 | -18 | 838,153 | 634,278 |
| 166 | 177 | | 201° 45' | -- | 8.6 | 88° 40' | +4.1 | -4.5 | | 382.1 | | -166 | -61 | 838,060 | 634,235 |
| 167 | 506 | | 198° 05' | -- | 10.4 | 88° 40' | +11.8 | +1.4 | | 388.0 | | -485 | -143 | 837,741 | 634,153 |
| 168 | 836 | | 196° 52' | -- | 10.8 | 88° 40' | +19.4 | +8.6 | | 395.2 | | -807 | -219 | 837,419 | 634,077 |
| 169 | 1166 | | 196° 25' | -- | 8.2 | 89° - | +20.3 | +12.1 | | 398.7 | | -1128 | -296 | 837,098 | 634,000 |
| 170 | 1496 | | 196° 50' | -1.7° | 8.1 | 89° - | +26.1 | +18.0 | | 404.6 | | -1444 | -391 | 836,782 | 633,905 |
| 171 | 1824 | | 198° - | -- | 6.0 | 89° - | +31.8 | +25.8 | | 412.4 | | -1751 | -512 | 836,475 | 633,784 |
| 172 | 2150 | | 199° 40' | -- | 9.0 | 88° 50' | +43.8 | +34.8 | | 421.4 | | -2045 | -663 | 836,181 | 633,633 |
| 173 | 2476 | | 200° 45' | -- | 6.0 | 88° 50' | +50.4 | +44.4 | | 431.0 | | -2340 | -808 | 835,886 | 633,488 |
| 174 | 2804 | | 201° 27' 06" | -- | 5.2 | 88° 50' | +57.1 | +51.9 | 451.7 | 438.3 | TP | -2638 | -947 | 835,588 | 633,350 |
| 174 | 2804 | | | | 5.5 | 271° 10' | +57.1 | +51.6 | | | TP | | -1 | | |

4-838,140 x 634,275
Creek crossing EL. 382.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|---------------|-------------|-------------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|---------|
| 2-16-85 | | B. Cotcamp | | K. Greenfield | | 6834 | | W | | #19 | | 13 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| GEORGIA | | UNADILLA-7 1/2' | | G.A. | | Houston/Dooly | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| 1966 | | | 18° 58' 35" | -1.7° | +13.4 | TH | -9.8 | +3.6 | 441.9 | | BS | -1877 | -584 | | |
| 1966 | | | | | +13.3 | TH ₂₇₀ | -9.8 | +3.5 | | BS | | | | | |
| 175 | 1640 | | 17° 15' | -- | 9.9 | TH | +8.2 | -1.7 | | 440.2 | | +1580 | +440 | 835,291 | 633,208 |
| 176 | 1316 | | 14° 50' | -- | 8.3 | TH | +6.6 | -1.7 | | 440.2 | | +1282 | +299 | 831,993 | 633,067 |
| 177 | 1099 | | 13° 53' 14" | -- | 5.0 | - | - | -5.0 | | 436.9 | 1/1 | +1074 | +232 | 831,785 | 633,000 |
| 177 | 990 | | 12° 55' | -- | 6.1 | - | - | -6.1 | | 435.8 | | +971 | +193 | 834,682 | 632,961 |
| 178 | 660 | | - | -- | 8.1 | - | - | -8.1 | | 433.8 | | +647 | +128 | 834,358 | 632,896 |
| 179 | 330 | | - | -- | 6.9 | - | - | -6.9 | | 435.0 | | +324 | +64 | 831,035 | 632,832 |
| 180 | 0 | | - | -- | 5.1 | - | - | -5.1 | | 436.8 | 1/1 | 0 | 0 | 833,711 | 632,768 |
| 181 | 226 | | 189° 37' 16" | -1.7° | 7.0 | - | - | -7.0 | | 434.9 | 1/1 | -224 | -31 | 833,487 | 632,737 |
| 181 | 330 | | 192° 25' | -- | 9.1 | - | - | -9.1 | | 432.8 | | -324 | -61 | 833,387 | 632,707 |
| 182 | 660 | | - | -- | 12.3 | - | - | -12.3 | | 429.6 | | -648 | -123 | 833,063 | 632,645 |
| 183 | 990 | | - | -- | 11.9 | - | - | -11.9 | | 430.0 | | -973 | -184 | 832,738 | 632,584 |
| 184 | 1326 | | 193° 10' | -- | 6.9 | BH | -6.6 | -13.5 | | 428.4 | | -1294 | -262 | 832,417 | 632,506 |
| 185 | 1648 | | 194° 05' | -- | 11.1 | BH | -8.2 | -19.3 | | 422.6 | | -1610 | -353 | 832,101 | 632,415 |
| 186 | 1978 | | 194° 30' 34" | -- | 13.0 | BH | -9.9 | -22.9 | | 419.0 | TP | -1929 | -439 | 831,787 | 632,329 |
| 186 | 1978 | | | -- | 13.1 | BH ₂₇₀ | -9.9 | -23.0 | | | TP | | | | |

Y-834,785 X-633,000
 1/1 Y-INTER. EL. 437.0
 Horiz. y -10
 CORR. x +13

Y-833,485 X-632,760
 1/1 Y-INTER. EL. 431.0
 Houston County ↑
 Dooly County ↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|----------------------|--------------------|---------------|---------|---|
| 2-18-85 | | K. Greenfield | | B. Cotcamp | | 6834 | | [Signature] | | 1819 | | 14 | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | | |
| Georgia | | UNADILLA 7 1/2 | | GA | | Dooly | | | | | | | | W. Cassady | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y | X |
| | | | | | | | | | | 419.0 | | | | 831,782 | 632,329 | |
| BS | 2308 | | 2° 55' 48" | -17° | 6 | 89° 15' 54" | -29.6 | -23.6 | | | BS | -2307 | -50 | | | |
| BS | 2308 | | | | 5 | 270° 42' 30" | -28.5 | -28.5 | 395.5 | | BS | | | | | |
| 187 | 1979 | | 2° 16' | -- | 10.0 | 89° 04' | +32.2 | +22.2 | | 417.7 | | +1979 | +20 | 831,452 | 632,299 | |
| 188 | 1650 | | " " | -- | 9.2 | 89° 10' | +24.0 | +14.8 | | 410.3 | | +1650 | +16 | 831,123 | 632,295 | |
| 189 | 1320 | | " " | -- | 9.3 | 89° 20' | +15.4 | +6.1 | | 401.6 | | +1320 | +13 | 830,793 | 632,292 | |
| 190 | 990 | | " " | -- | 11.2 | 89° 20' | +11.5 | +0.3 | | 395.8 | | +990 | +10 | 830,463 | 632,289 | |
| 191 | 660 | | " " | -- | 9.6 | 89° 20' | +7.7 | -1.9 | | 393.6 | | +660 | +7 | 830,133 | 632,286 | |
| 192 | 330 | | " " | -- | 6.8 | 89° 20' | +3.8 | -3.0 | | 392.5 | | +330 | +3 | 829,803 | 632,282 | |
| 193 | 0 | | | | 5.1 | - | | -5.1 | | 390.4 | TP | 0 | 0 | 829,473 | 632,279 | |
| 194 | 330 | | 182° 07' | -17 | 10.7 | 89° 20' | +3.8 | -6.9 | | 388.6 | | -330 | -2 | 829,143 | 632,277 | |
| 195 | 660 | | " " | -- | 6.5 | - | | -6.5 | | 389.0 | | -660 | -5 | 828,813 | 632,274 | |
| 196 | 990 | | " " | -- | 5.0 | - | | -5.0 | | 390.5 | | -990 | -7 | 828,483 | 632,272 | |
| 197 | 1248 | | 181° 33' 44" | -- | 3.9 | - | | -3.9 | | 391.6 | 19 | -1248 | +3 | 828,225 | 632,282 | 19-828,200 X 2632,310 T-Inter. EL. 391.0 |
| 197 | 1320 | | 182° 07' | -- | 10.1 | TH | +6.6 | -3.5 | | 392.0 | | -1320 | -10 | 828,153 | 632,269 | |
| 198 | 1650 | | " " | -17 | 12.3 | - | | -9.3 | | 386.2 | | -1650 | -12 | 827,823 | 632,267 | R.R. RESHOT 2-19-85 |
| 199 | 1980 | | " " | -- | 11.0 | | | -11.0 | | 384.5 | | -1980 | -14 | 827,493 | 632,265 | |
| 200 | 2310 | | " " | -- | 12.2 | | | -11.2 | | 384.3 | | -2310 | -17 | 827,163 | 632,262 | |
| 201 | 2640 | | 182° 6' 46" | -- | 10.4 | - | | -10.4 | | 385.1 | TP | -2640 | -19 | 826,831 | 632,260 | |
| 201 | 2640 | | | | 10.5 | 270° | | -10.5 | | | TP | | -2 | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | | | | |
|-------------|----------------|-------------------|-----------------------------|-----------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|-------------|------|---------------|---------|-------------|---|---------|
| 2-18-85 | | K. Greenfield | | B. CoCamp | | 6834 | | KUG | | 19 | | 15 | | | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | | | | |
| Georgia | | UNADILLA 7.16 | | Ga | | Dooly | | | | | | | | W. Cassidy | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS & TP | NORTH-SOUTH | | EAST-WEST | | COORDINATES | | REMARKS |
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | | |
| | | | | | | | | | 385.1 | | | | | | | | | |
| BS | 990 | | 337° 39' 24" | -1.7 | +9.2 | 90° 30' | +8.6 | +17.8 | 403.0 | | BS | -904 | +403 | | | | | |
| BS | 990 | | | | +9.4 | 269° 30' | +8.6 | +18.0 | 417.9 | | BS | -2 | -1 | | | | | |
| TI | 889 | | 338° 27' 36" | -- | 3.9 | 90° 54' | -14.0 | -17.9 | | 385.1 | TI | +817 | -351 | 826,742 | 632,311 | | 5-826,700 X-632,370 y-3070 EL. 385.0 | |
| 202 | 660 | | 337° 39' 24" | -- | 8.5 | 90° 50' | -9.6 | -18.1 | | 384.9 | | +603 | -269 | 826,528 | 632,393 | | | |
| 203 | 330 | | " " | -- | 7.6 | 90° 50' | -4.8 | -12.4 | | 390.6 | | +301 | -134 | 826,226 | 632,528 | | | |
| 204 | 0 | | " " | -- | 5.1 | - | | -5.1 | | 397.9 | TI | 0 | 0 | 825,925 | 632,662 | | | |
| 205 | 330 | | 157° 39' | -- | 7.6 | - | | -7.6 | | 395.4 | | -301 | +134 | 825,624 | 632,796 | | | |
| TI | 650 | 1 | 155° 38' 46" | -1.7 | 12.1 | - | | -12.1 | | 390.9 | TI | -584 | +285 | 825,341 | 632,947 | | | |
| 206 | 660 | | 157° 39' 39" | -- | 12.1 | - | | -12.1 | | 390.9 | | -603 | +269 | 825,322 | 632,931 | | | |
| 207 | 990 | | " " | -- | 10.0 | 90° 10' | -2.9 | -12.9 | | 390.1 | | -904 | +403 | 825,021 | 633,065 | | | |
| 208 | 1320 | | " " | -- | 6.5 | 90° 10' | -3.8 | -10.3 | | 392.7 | | -1205 | +538 | 824,720 | 633,200 | | | |
| 209 | 1650 | | 158° 23' 18" | -- | 4.8 | 90° 10' | -4.8 | -9.6 | | 393.4 | | -1515 | +653 | 824,410 | 633,315 | | | |
| 210 | 1980 | | - | -- | 7.8 | 90° 10' | -5.8 | -13.6 | | 389.4 | | -1818 | +784 | 824,107 | 633,446 | | | |
| TP | 2330 | | 159° 14' 33" | -1.6 | 5.6 | 90° 18' | -12.2 | -17.8 | | 385.1 | TP | -2155 | +886 | 823,768 | 633,547 | | | |
| TP | 2330 | | | | 5.8 | 269° 42' | -12.2 | -18.0 | -17.9 | | TP | -2 | -1 | | | | | |
| | 562 | | 1° 21' 33" | | +9.8 | 90° 30' | +4.9 | +14.7 | | | BS | -562 | +2 | | | | | |
| | 562 | | | | +9.9 | 269° 30' | +4.9 | +14.8 | 399.9 | | BS | -2 | -1 | | | | | |
| 211 | 578 | | 354° 19' 06" | | 10.0 | 90° 24' | -4.0 | -14.0 | | 385.9 | | +573 | -73 | 823,777 | 633,475 | | | |
| 212 | 273 | | 335° 56' 48" | | 9.7 | - | -4.7 | -9.7 | | 390.2 | | +246 | -118 | 823,450 | 633,436 | | | |
| TI | 0 | | | | 5.1 | - | -5.1 | | | 394.8 | TI | 0 | 0 | 823,204 | 633,548 | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | | | PAGE | | | | | | | |
|-------------|----------------|-------------------|-----------------------------|------------|--------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|------|---------------|---------|-------------|--|---------|--------------------------------------|
| 2-19-85 | | K. Greenfield | | B. Cotcamp | | 6834 | | 1/2 W ✓ 10 19 | | | | 16 | | | | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | | | | | |
| Georgia | | UNADILLA | | Ga | | Dooly | | | | | | | | W. Cassidy | | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | | EAST + WEST - | | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | | | |
| | | | | | | | | | 399.9 | | | | | | | | | | |
| TP | 800 | | 116° 06' 36" | -1.6 | 8.9 | 89° 40' | +4.7 | -4.2 | | | TP | -332 | +728 | 822,870 | 634,275 | | | | 4-822,225 x -634,285 T-Inter. |
| TP | 800 | | | | 8.8 | 270° 20' | +4.7 | -4.1 | | 395.8 | TP | -2 | -1 | | | | | | |
| | 1390 | | 19° 57' 20" | -- | 4.9 | 89° 30' | -12.1 | -7.2 | 388.6 | | BS | -1319 | -438 | | | | | | |
| | 1390 | | | | 4.8 | 270° 30' | -12.1 | -7.3 | | | BS | -2 | | | | | | | |
| 213 | 1320 | | 20° 08' 36" | -- | 5.8 | 89° 26' | +13.1 | +7.3 | | 395.9 | | +1251 | +420 | 822,800 | 634,257 | | | | |
| 214 | 990 | | - | -- | 11.8 | 89° | +17.3 | +5.5 | | 394.1 | | +939 | +315 | 822,488 | 634,152 | | | | |
| # | 910 | | 20° 39' 26" | -- | 10.1 | 89° | +15.9 | +5.8 | | 394.4 | # | +860 | +297 | 822,409 | 634,134 | | | | 4-822,395 x -634,135 4-way Inter. |
| 215 | 660 | | 20° 09' | -- | 9.9 | 89° | +11.5 | +1.6 | | 390.2 | | +626 | +210 | 822,175 | 634,047 | | | | |
| 216 | 330 | | - | -- | 9.4 | 89° | +5.8 | -3.6 | | 385.0 | | +313 | +105 | 821,862 | 633,942 | | | | |
| 217# | 0 | | | | 5.1 | - | | -5.1 | | 383.5 | 1 | 0 | 0 | 821,549 | 633,837 | | | | |
| 218 | 324 | | 186° 10' 42" | -1.6 | 10.2 | 89° | +5.7 | -4.5 | | 384.1 | | -323 | -26 | 821,226 | 633,811 | | | | |
| 219 | 646 | | 177° 18' 42" | -- | 10.5 | 90° | | -10.5 | | 378.1 | | -644 | +48 | 820,905 | 633,885 | | | | |
| 220 | 972 | | 174° 42' 38" | -- | 8.3 | 90° 20' | -5.7 | -14.0 | | 374.6 | | -965 | +116 | 820,584 | 633,953 | | | | |
| TP | 1122 | | 171° 39' 10" | -- | 5.3 | 90° 30' | -9.8 | -15.1 | | 373.5 | TP | -1105 | +194 | 820,442 | 634,031 | | | | T.P. 3-820,420 x -634,025 |
| TP | 1122 | | | | 5.4 | 269° 30' | -9.8 | -15.2 | | | TP | -2 | | | | | | | |
| | 1323 | | 322° 22' 24" | -1.6 | 10.4 +7.5 | 89° 30' | -11.5 | -1.1 | | | BS | -1025 | +837 | | | | | | R.R. RESHOT 2-20-85 B.G.C. K.V.G. |
| | 1323 | | | | 10.5 +7.5 | 270° 30' | -11.5 | -1.0 | 372.5 | | BS | -2 | | | | | | | |
| 221 | 1148 | | 322° 03' | -- | 5.9 | 89° 40' | +6.7 | +0.8 | | 373.3 | | +885 | -731 | 820,300 | 634,137 | | | | |
| 222 | 818 | | -- | -- | 9.8 | 89° 20' | +9.5 | -0.3 | | 372.2 | | +631 | -521 | 820,046 | 634,347 | | | | |
| 223 | 491 | | 326° 35' | -- | 7.2 | 89° 20' | +5.7 | -1.5 | | 371.0 | | +402 | -282 | 819,817 | 634,586 | | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | |
|-----------------|---------------------------------|------------------------|----------------------|-----------------------------|------------------|------------|
| DATE 2-19-85 | INSTRUMENT MAN K. Greenfield | ROD MAN B. COY CAMP | PARTY NUMBER 6834 | NOTES CHECKED BY KUG ✓ | LINE NO. 1819 | PAGE 17 |
| AREA Georgia | TOPO MAP Unadilla | STATE Ga. | COUNTY Dooly | TWP | RANGE | PPM |
| | | | | PARTY MANAGER W. Cassidy | | |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | NORTH + SOUTH - | | EAST + WEST - | | COORDINATES | | REMARKS |
|-------------|----------------|-------------------|---|------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|----------|-----------------|------|---------------|---------|--|--|---------|
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | | |
| | | | | | | | | | 372.5 | | | | | | | | | |
| 224 | 164 | | 322 ^{333° 05'} 22 _{KUG} | -1.6 | 6.4 | 89° 30' | +1.4 | -5.0 | | 367.5 | | +144 | -78 | 819,559 | 634,790 | | | |
| π | 0 | | | | 5.1 | - | | -5.1 | | 367.4 | π | 0 | 0 | 819,415 | 634,868 | | | |
| 225 | 169 | | 152° 12' | -- | 5.0 | - | | -5.0 | | 367.5 | | -145 | +82 | 819,270 | 634,950 | | | |
| 1/2 | 270 | | 150° 20' 03" | -- | 4.9 | - | | -4.9 | | 367.6 | 1/2 | -231 | +140 | 819,184 | 635,008 | 4-819,150 X-635,005 T-2.000 EL. 369.0 | | |
| 226 | 497 | | 153° 12' | -- | 5.3 | - | | -5.3 | | 367.2 | | -437 | +236 | 818,978 | 635,104 | | | |
| 227 | 827 | | " " | -1.6 | 7.1 | - | | -7.1 | | 365.4 | | -727 | +393 | 818,688 | 635,261 | UNADILLA | | |
| 228 | 1157 | | " " | -- | 5.8 | - | | -5.8 | | 366.7 | | -1018 | +550 | 818,397 | 635,418 | PINEVIEW NW | | |
| 229 | 1487 | | " " | -- | 6.6 | - | | -6.6 | | 365.9 | | -1308 | +707 | 818,107 | 635,575 | | | |
| 230 | 1817 | | " " | -- | 8.2 | - | | -8.2 | | 364.3 | | -1598 | +864 | 817,817 | 635,732 | | | |
| TP | 1969 | | 153° 02' | -- | 9.2 | - | | -9.2 | | 363.3 | TP | -1729 | +942 | 817,684 | 635,810 | | | |
| TP | 1969 | | | | 9.2 | 270° | | -9.2 | | | TP | -2 | | | | | | |
| | 2351 | | 341° 28' 24" | -1.6 | +10.2 | 89° 50' | -6.8 | +3.4 | 366.7 | | BS | -2207 | +809 | | | | | |
| | 2351 | | | | +10.1 | 270° 10' | -6.8 | +3.3 | | | BS | -2 | | | | | | |
| 231 | 2172 | | 341° 41' 38" | -- | 10.4 | 89° 50' | +6.3 | -4.1 | | 362.6 | | +2043 | -739 | 817,518 | 635,880 | | | |
| π | 2093 | | 341 ³⁴¹ 351 55' 16" | -- | 9.8 | 89° 50' | +6.1 | -3.7 | | 363.0 | π | +1971 | -705 | 817,446 | 635,914 | 5-817,355 X-635,720 T-2.000 EL. 365.0 | | |
| 232 | 1843 | | 341° 15' | -- | 8.1 | 89° 50' | +5.4 | -2.7 | | 364.0 | | +1728 | -641 | 817,203 | 635,978 | | | |
| 233 | 1514 | | 340° 10' | -- | 6.8 | 89° 50' | +4.4 | -2.4 | | 364.3 | | +1409 | -553 | 816,884 | 636,066 | | | |
| 234 | 1186 | | 338° | -- | 8.2 | 89° 40' | +6.9 | -1.3 | | 365.4 | | +1087 | -475 | 816,562 | 636,144 | | | |
| 235 | 857 | | 337° 36' | -- | 8.2 | 89° 30' | +7.5 | -0.7 | | 366.0 | | +783 | -349 | 816,258 | 636,270 | | | |
| 236 | 527 | | " " | -- | 9.9 | 89° 30' | +4.6 | -5.3 | | 361.4 | | +481 | -214 | 815,956 | 636,405 | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | |
|-----------------|--------------------------------|-----------------------|----------------------|----------------------------|-------------------|---------------|
| DATE 2-19-85 | INSTRUMENT MAN K Greenfield | ROD MAN B cot CAMP | PARTY NUMBER 6834 | NOTES CHECKED BY KUT | LINE NO. 18 19 | PAGE 18 18 |
| AREA Georgia | TOPO MAP PINEVIEW NW 7/2 | STATE GA | COUNTY DOOLY | TWP | RANGE | PPM |
| | | | | PARTY MANAGER W CASSIDY | | |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | NORTH + SOUTH - | | EAST + WEST - | | COORDINATES | | REMARKS |
|-------------|----------------|-------------------|-----------------------------|------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|----------|-----------------|-------|---------------|---------|-------------|----------------------|---------|
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | | |
| | | | | | | | | | 366.7 | | | | | | | | | |
| 237 | 198 | | 333° 12' 24" | -1.6 | 8.5 | 89° 30' | +1.7 | -6.8 | | 359.9 | | +174 | -94 | 815,649 | 636,525 | | | |
| TP | 0 | | | | 5.1 | - | | -5.1 | | 361.6 | TP | 0 | 0 | 815,475 | 636,619 | | | |
| 238 | 155 | | 194° 56' 36" | -- | 6.8 | 89° 20' | +1.8 | -5.0 | | 361.7 | | -151 | -36 | 815,324 | 636,583 | | | |
| 239 | 479 | | 186° 37' | -- | 8.9 | 89° 20' | +5.6 | -3.3 | | 363.4 | | -477 | -42 | 814,998 | 636,577 | | | |
| 240 | 809 | | 181° 17' | -- | 6.8 | 89° 40' | +4.7 | -2.1 | | 364.6 | | -809 | +4 | 814,666 | 636,623 | | | |
| 241 | 1139 | | " " | -1.6 | 9.2 | 89° 40' | +6.6 | -2.6 | | 364.1 | | -1139 | +6 | 814,336 | 636,625 | | | |
| 242 | 1469 | | " " | -- | 11.8 | 89° 40' | +8.6 | -3.2 | | 363.5 | | -1469 | +8 | 814,006 | 636,627 | | | |
| 243 | 1799 | | " " | -- | 11.2 | 89° 30' | +10.5 | -0.9 | | 366.0 | | -1799 | +10 | 813,676 | 636,629 | | | |
| 244 | 2129 | | " " | -- | 7.3 | 89° 50' | +6.2 | -1.1 | | 365.6 | | -2129 | +12 | 813,346 | 636,631 | | | |
| 245 | 2459 | | " " | -- | 7.5 | 89° 50' | +7.2 | -0.3 | | 366.4 | | -2459 | +14 | 813,016 | 636,633 | | | |
| 246 | 2789 | | " " | -- | 6.3 | 89° 50' | +8.1 | +1.8 | | 368.5 | | -2789 | +15 | 812,686 | 636,634 | | | |
| TP | 2905 | | 180° 57' 22" | -1.6 | 10.0 | 89° 46' | +11.8 | +1.8 | | | TP | -2905 | +33 | 812,570 | 636,652 | | | |
| TP | 2905 | | | | 9.9 | 270° 14' | +11.8 | +1.9 | | 368.6 | TP | | | | | | | |
| | 1784 | | 294° 43' 56" | -- | +5.8 | 90° 10' | +5.2 | +11.0 | 379.6 | | BS | -701 | +164 | | | | | |
| | 1784 | | | | +5.7 | 269° 50' | +5.2 | +10.9 | | | BS | | | | | | | |
| 247 | 1632 | | 289° 41' | -- | 8.0 | 90° - | | -8.0 | | 371.6 | | +507 | -1551 | 812,376 | 636,742 | | | |
| 248 | 1349 | | 283° 39' | -- | 11.2 | 89° 50' | +3.9 | -7.3 | | 372.3 | | +282 | -1319 | 812,151 | 636,974 | | | |
| TI | 1019 | | 281° 25' 08" | -- | 6.9 | 90° - | | -6.9 | | 372.7 | VI | +174 | -1004 | 812,043 | 637,289 | | y - Inter. EL. 375.0 | |
| 249 | 1029 | | 281° 08' 02" | -- | 6.3 | 90° - | | -6.3 | | 373.3 | | +170 | -1015 | 812,039 | 637,278 | | | |
| 250 | 702 | | 283° 59' 30" | -- | 5.2 | 90° - | | -5.2 | | 374.4 | | +151 | -686 | 812,020 | 637,607 | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|--------|----------------------|--------------------|---------------|---------|
| 2-19-85 | | K. Greenfield | | B. Cotcamp | | 6834 | | KUGLER | | 7819 | | 19 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Georgia | | PINEVIEW N1/2 | | GA | | | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 379.6 | | | | | | |
| 251 | 379 | | 291°44' | -1.6 | 7-3 | 89°30' | +3.3 | -4.0 | | 375.6 | | +130 | -356 | 811,999 | 637,937 |
| 252 | 53 | | 278°19' | - | 6-4 | 89°30' | +0.5 | -5.9 | | 373.7 | | +6 | -53 | 811,875 | 638,240 |
| π | 0 | | | | 5-1 | - | | -5.1 | | 374.5 | π | 0 | 0 | 811,869 | 638,293 |
| 253 | 290 | | 144°05'12" | -1.6 | 9-9 | 90°- | | -9.9 | | 369.7 | | -230 | +177 | 811,639 | 638,470 |
| 254 | 620 | | " " | - | 11.3 | BH | -3.1 | -14.4 | | 365.2 | | -492 | +378 | 811,377 | 638,671 |
| 255 | 950 | | " " | - | 10.4 | 90°30' | -8.3 | -18.7 | | 360.9 | | -754 | +579 | 811,115 | 638,872 |
| 256 | 1280 | | " " | - | 12.0 | 90°30' | -11.2 | -23.2 | | 356.4 | | -1015 | +780 | 810,854 | 639,073 |
| 257 | 1608 | | 142°38' | -1.6 | 9-0 | 90°30' | -14.0 | -23.0 | | 356.6 | | -1250 | +1011 | 810,619 | 639,304 |
| 258 | 1937 | | 141°37' | - | 9-8 | 90°30' | -16.9 | -26.7 | | 352.9 | | -1484 | +1245 | 810,385 | 639,538 |
| 259 | 2266 | | 140°34' | - | 8-8 | 90°30' | -19.8 | -28.6 | | 351.6 | | -1718 | +1478 | 810,151 | 639,771 |
| 260 | 2595 | | 140°24' | - | 5-5 | 90°30' | -22.7 | -28.2 | | 351.4 | | -1953 | +1709 | 809,916 | 640,002 |
| TP 1/2 | 27 11 | | 140°02'24" | - | 10-0 | 90°20' | -15.8 | -25.8 | | 353.8 | 1/2 TP | -2029 | +1798 | 809,840 | 640,091 |
| TP | 27 11 | | | | 10-1 | 269°40' | -15.8 | -25.9 | | | 1/2 TP | | | | |

Y = 809,800 X = 640,015
 TP - inter. EL. 356.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | |
|-----------------|---------------------------------|------------------------|----------------------|------------------------------|-----------------|------------|
| DATE 2-20-85 | INSTRUMENT MAN K. Greenfield | ROD MAN B. COTCHAMP | PARTY NUMBER 6834 | NOTES CHECKED BY K. W. 19 | SHEET NO. 19 | PAGE 20 |
| AREA Georgia | TOPO MAP PREVIEW NW 7 1/2 | STATE GA | COUNTY DOOLY | TWP | RANGE | PPM |
| | | | | PARTY MANAGER W. CASSIDY | | |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | | |
|-------------|----------------|-------------------|-----------------------------|-------|----------------|--------------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------|------------------------------|--|
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y | X |
| TR.V. | T-Intersect | ELEVATION | 356.0 | | 4.0 | 40° | | | | 356.0 | TR.V | | | | R VERTICAL. T-INTER. EL. 356 | |
| BS | 3141 | | 12° 2' 54" | -1.4+ | 11.0 | 90° | | +11.0 | 367.0 | | BS | -3087 | -580 | | | |
| BS | 3141 | | | + | 10.9 | 270° | | +10.9 | | | BS | | | | | |
| 261 | 2917 | | 12° 30' | -- | 8.6 | - | | -8.6 | | 358.4 | | +2862 | +562 | 809,615 | 640,073 | |
| 262 | 2590 | | 13° 22' | -- | 6.2 | - | | -6.2 | | 360.8 | | +2534 | +537 | 809,287 | 640,048 | |
| 263 | 2267 | | 14° 59' | -- | 11.1 | 89° 50' | +6.6 | -4.5 | | 362.5 | | +2204 | +531 | 808,957 | 640,042 | |
| 264 | 1937 | | 15° 35' | -- | 8.5 | 89° 50' | +5.6 | -2.9 | | 364.1 | | +1878 | +475 | 808,631 | 639,786 | |
| 265 | 1607 | | 15° 30' | -1.4 | 9.1 | 89° 50' | +4.7 | -4.4 | | 362.6 | | +1559 | +391 | 808,312 | 639,902 | |
| 266 | 1279 | | 14° 02' | -- | 10.0 | 89° 50' | +3.7 | -6.3 | | 360.7 | | +1248 | +280 | 808,001 | 639,791 | |
| 267 | 951 | | 11° 11' | -- | 9.5 | 89° 50' | +2.8 | -6.7 | | 360.3 | | +937 | +162 | 807,690 | 639,673 | |
| 268 | 657 | | 000 28 | - | 8.5 | - | | -8.5 | | 358.5 | | +657 | -11 | 807,410 | 639,500 | |
| 269 | 330 | | 355 | -- | 8.5 | - | | -8.5 | | 358.5 | | +328 | -37 | 807,081 | 639,474 | |
| π | 0 | | | | 7.5 | 88° 30' | | -5.1 | | 361.9 | π | 0 | 0 | 806,753 | 639,511 | |
| 271 | 330 | | 170 29 | -1.4 | 7.3 | 88° 30' | +8.6 | +1.3 | | 368.3 | | -324 | +63 | 806,429 | 639,574 | |
| + | 461 | | 168° 50' | -- | 5.2 | 88° 30' | +12.1 | +6.9 | | 373.9 | # | -450 | +100 | 806,303 | 639,611 | 5-806,250 X-639,595 # 4 WAY INTER. EL. 3710 |
| 272 | 1551 | | 246° 25' | -- | 8.1 | 89° 30' | +13.5 | +5.4 | | 372.4 | | -655 | -1406 | 806,098 | 638,105 | |
| 273 | 1717 | | 276° 25' | -- | 8.3 | 89° 20' | +20.0 | +11.7 | | 378.7 | | -984 | -1407 | 805,769 | 638,104 | |
| 274 | 1930 | | 228° 26' | -- | 5.0 | 89° 20' | +22.4 | +17.4 | | 384.4 | | -1315 | -1412 | 805,438 | 638,099 | |
| 275 | 2171 | | 222° 07' | -- | 9.6 | 89° 10' | +31.6 | +22.0 | | 389.0 | | -1646 | -1416 | 805,107 | 638,095 | |
| 276 | 2434 | | 217° 09' | -- | 8.9 | 89° 10' | +35.4 | +26.5 | | 393.5 | | -1975 | -1422 | 804,778 | 638,089 | |
| 277 | 27.11 | | 213° 12' | -- | 9.4 | 89° 10' | +39.4 | +30.0 | | 397.0 | | -2304 | -1429 | 804,449 | 638,082 | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|----------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|----------------------|--------------------|---------------|---------|
| 2-20-85 | | K Greenfield | | B COT CAMP | | 6834 | | KWA | | 19 | | 21 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| 6001914 | | DINE VIEW NW 7/4 | | GA | | Dooly | | | | | | | | W CASSIDY | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS & TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 367.0 | | | | | | |
| 278 | 2998 | | 209° 54' 24" | -14 | 13.4 | 89° 02' | +50.6 | +37.2 | | 404.2 | TP | -2634 | -1431 | 804,119 | 638,080 |
| 278 | 2998 | | | | 13.5 | 270° 58' | +50.6 | +37.1 | | | TP | | | | |
| | 2641 | | | | 10.5 | 89° 30' | -23.1 | -12.6 | | | BS | -2641 | -44 | | |
| 279 | 2641 | | 002 26' 42" | -15 | 10.6 | 270° 30' | -23.1 | -12.5 | 391.7 | | BS | | | | |
| 279 | 2310 | | 002 16' | -- | 10.9 | 89° 20' | +26.9 | +16.0 | | 407.7 | | +2310 | +31 | 803,708 | 638,067 |
| 280 | 1980 | | -- | -- | 12.1 | 89° 20' | +23.0 | +10.9 | | 402.6 | | +1780 | +26 | 803,458 | 638,062 |
| 281 | 1652 | | 002 44' 30" | -- | 13.6 | 89° 20' | +19.2 | +5.6 | | 397.3 | ± | +1652 | +36 | 803,130 | 638,072 |
| 281 | 1650 | | 2° 16' | -15 | 13.6 | 89° 20' | +19.2 | +5.6 | | 397.3 | | +1650 | +22 | 803,128 | 638,058 |
| 282 | 1320 | | -- | -- | 4.9 | -- | -- | -4.9 | | 386.8 | | +1320 | +18 | 802,798 | 638,054 |
| 283 | 990 | | -- | -- | 7.2 | -- | -- | -7.2 | | 384.5 | | +990 | +13 | 802,468 | 638,049 |
| 284 | 660 | | -- | -- | 8.8 | -- | -- | -8.8 | | 382.9 | | +660 | +9 | 802,138 | 638,045 |
| 285 | 330 | | -- | -- | 6.7 | -- | -- | -6.7 | | 385.0 | | +330 | +4 | 801,808 | 638,040 |
| 286 | 0 | | | | 5.1 | -- | -- | -5.1 | | 386.6 | ± | 0 | 0 | 801,478 | 638,036 |
| 287 | 330 | | 182° 01' | -15 | 4.8 | -- | -- | -4.8 | | 386.9 | | -330 | -3 | 801,148 | 638,033 |
| 288 | 660 | | -- | -- | 6.1 | 89° 50' | +1.9 | -4.2 | | 387.5 | | -660 | -6 | 800,818 | 638,030 |
| 289 | 990 | | -- | -- | 4.9 | 89° 50' | +2.9 | -2.0 | | 389.7 | | -990 | -9 | 800,488 | 638,027 |
| 290 | 1320 | | -- | -- | 9.1 | 89° 40' | +7.7 | +0.6 | | 392.3 | | -1320 | -12 | 800,158 | 638,024 |
| 291 | 1650 | | 182° 01' | -- | 9.8 | 89° 30' | +14.4 | +4.6 | | 396.3 | | -1650 | -15 | 799,828 | 638,021 |
| 292 | 1980 | | -- | -- | 7.8 | 89° 30' | +17.3 | +9.5 | | 401.2 | | -1980 | -18 | 799,498 | 638,018 |
| + | 2186 | | 182° 34' 54" | -- | 6.8 | 89° 30' | +19.1 | +12.3 | | 404.0 | + | -2186 | -41 | 799,292 | 637,995 |

11' - 803,105 x - 638,055
4 way Int. EL 394.0

5' - 799,270 x - 638,005
4 way Int. EL 404.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|----------------------|--------------------|---------------|---------|
| 2-20-85 | | K Greenfield | | B Cot Camp | | 6834 | | KWC [initials] | | 19 | | 22 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Georgia | | Pineview nw 7 1/2 | | Ga | | Dooly | | | | | | | | W Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 391.7 | | | | | | |
| 293 | 2310 | | 182° 01' | -1.5° | 7.2 | 89° 30' | +20.2 | +13.0 | | 404.7 | | -2310 | -21 | 799,168 | 638,015 |
| 294 | 2640 | | 182° 00' 56" | " | 11.0 | 89° 36' | +18.4 | +7.4 | | 399.1 | TP | -2640 | -24 | 798,838 | 638,012 |
| 294 | 2640 | | | | 11.1 | 270° 24' | +18.4 | +7.3 | | | TP | | | | |
| | 3302 | | 002° 09' 24" | -1.5° | +6.5 | 89° 40' | -19.2 | -12.7 | 386.4 | | BS | -3302 | -38 | | |
| | 3302 | | | | +6.4 | 270° 20' | -19.2 | -12.8 | | | BS | | | | |
| 295 | 2972 | | 001° 56' | " | 6.8 | 89° 40' | +17.3 | +10.5 | | 396.9 | | +2972 | +22 | 798,508 | 637,991 |
| 296 | 2640 | | - | " | 6.5 | 89° 40' | +15.4 | +5.9 | | 395.3 | | +2640 | +20 | 798,176 | 637,994 |
| 297 | 2310 | | - | " | 8.3 | 89° 40' | +13.4 | +5.1 | | 391.5 | | +2310 | +17 | 797,846 | 637,991 |
| 298 | 1980 | | - | -1.5 | 9.8 | 89° 40' | +11.5 | +1.7 | | 388.1 | | +1980 | +15 | 797,516 | 637,989 |
| 299 | 1650 | | 1° 56' | " | 11.4 | 89° 40' | +9.6 | -1.8 | | 384.6 | | +1650 | +12 | 797,186 | 637,986 |
| 300 | 1320 | | " " | " | 8.2 | 89° 50' | +3.8 | -4.4 | | 387.3 | | +1320 | +10 | 795,856 | 637,984 |
| 301 | 990 | | " " | " | 7.7 | 89° 50' | +2.9 | -4.8 | | 381.6 | | +990 | +7 | 794,526 | 637,981 |
| 302 | 660 | | " " | " | 6.8 | 89° 50' | +1.9 | -4.9 | | 381.5 | | +660 | +5 | 794,196 | 637,979 |
| 303 | 330 | | " " | " | 6.2 | 89° 50' | +1.0 | -5.2 | | 381.2 | | +330 | +3 | 795,866 | 637,977 |
| 304 | 0 | | | | 5.1 | - | | -5.1 | | 381.3 | π | 0 | 0 | 795,536 | 637,974 |
| 305 | 330 | | 182° 38' | -1.5° | 5.9 | 89° 50' | +1.0 | -4.9 | | 381.5 | | -330 | -7 | 795,206 | 637,967 |
| 306 | 660 | | " " | " | 7.9 | 89° 50' | +1.9 | -6.0 | | 380.4 | | -660 | -13 | 794,876 | 637,961 |
| 307 | 990 | | " " | " | 8.0 | 89° 50' | +2.9 | -5.1 | | 381.3 | | -990 | -20 | 794,546 | 637,954 |
| 308 | 1320 | | " " | " | 7.9 | 89° 50' | +3.8 | -4.1 | | 382.3 | | -1320 | -26 | 794,216 | 637,948 |
| 309 | 1650 | | " " | " | 8.2 | 89° 50' | +4.8 | -3.4 | | 383.0 | | -1650 | -33 | 793,886 | 637,941 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|-----------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|----------------------|--------------------|---------------|---------|
| 2-21-85 | | K Greenfield | | B Cotcamp | | 6834 | | W | | 19 | | 23 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Georgia | | Pineview NW 7 1/2 | | Ga | | Dooly | | | | | | | | W Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 386.4 | | | | | | |
| 310 | 1980 | | 182° 38' | -1.5° | 11.0 | 89° 50' | +5.8 | -5.2 | | 381.2 | | -1980 | -39 | 793,556 | 637,935 |
| 311 | 2310 | | - | - | 11.1 | 89° 50' | +6.7 | -4.4 | | 382.0 | | -2310 | -46 | 793,226 | 637,928 |
| 312 | 2640 | | - | - | 6.9 | - | - | -6.9 | | 379.5 | | -2639 | -52 | 792,897 | 637,922 |
| 313 | 2970 | | - | - | 5.9 | - | - | -5.9 | | 380.5 | | -2969 | -59 | 792,567 | 637,915 |
| 314 | 3300 | | - | - | 12.2 | 89° 50' | +9.6 | -2.6 | | 383.8 | | -3299 | -65 | 792,237 | 637,909 |
| 315 | 3631 | | 182° 38' 06" | - | 5.9 | 89° 56' | +4.2 | -1.7 | | 384.7 | TP | -3630 | -72 | 791,906 | 637,902 |
| 315 | 3631 | | | | 6.0 | 270° 04' | +4.2 | -1.8 | | | TP | | | | |
| | 2970 | | 002° 13' 56" | -1.5° | +5.8 | 90° 20' | +17.3 | +23.1 | 408.1 | | BS | -2970 | -38 | | |
| | 2970 | | | | +6.3 | 269° 40' | +17.3 | +23.6 | +23.43 | | BS | | | | |
| 316 | 2640 | | 002° 10' | - | 11.4 | 90° 20' | -15.4 | -26.8 | | 381.3 | | +2640 | +31 | 791,576 | 637,895 |
| # | 2346 | | 002° 23' 33" | - | 7.7 | 90° 30' | -20.5 | -28.2 | | 379.9 | # | +2346 | +37 | 791,282 | 637,901 |
| 317 | 2310 | | 002° 10' | - | 7.6 | 90° 30' | -20.2 | -27.8 | | 380.3 | | +2310 | +27 | 791,246 | 637,891 |
| 318 | 1980 | | - | - | 8.1 | 90° 30' | -17.3 | -25.4 | | 382.7 | | +1980 | +23 | 790,916 | 637,882 |
| 319 | 1650 | | - | -1.5° | 8.0 | 90° 30' | -14.4 | -22.4 | | 385.7 | | +1650 | +19 | 790,586 | 637,853 |
| 320 | 1320 | | - | - | 7.3 | 90° 30' | -11.5 | -18.8 | | 389.3 | | +1320 | +15 | 790,256 | 637,879 |
| 321 | 990 | | - | - | 10.4 | 90° 20' | -5.8 | -16.2 | | 391.9 | | +990 | +12 | 789,926 | 637,876 |
| 322 | 660 | | - | - | 7.4 | 90° 20' | -3.8 | -11.2 | | 396.9 | | +660 | +8 | 789,596 | 637,872 |
| 323 | 330 | | - | - | 5.2 | 90° 20' | -1.9 | -7.1 | | 401.0 | | +330 | +4 | 789,266 | 637,868 |
| 324 | 0 | | - | - | 5.1 | - | - | -5.1 | | 403.0 | π | 0 | 0 | 788,936 | 637,864 |
| 325 | 330 | | 182° 10' | - | 8.2 | 89° 20' | +3.8 | -4.4 | | 403.7 | | -330 | -4 | 788,606 | 637,860 |

791260 X-639910
+ 46.00, Inter. EL. 381.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|----------------------|--------------------|---------------|---------|
| 2-21-85 | | K Greenfield | | B Cot Camp | | 6834 | | Koc | | 19 | | 24 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Georgia | | Pine View NW 7/4 | | Ga | | Dooly | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOT DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 408.1 | | | | | | |
| 329 | 660 | | 182 10 | -15 | 10.9 | 89.20 | +7.7 | -3.2 | | 404.9 | | -660 | -8 | 788,276 | 637,856 |
| 329 | 990 | | - | -- | 10.8 | 89.20 | +11.5 | +0.7 | | 408.8 | | -990 | -12 | 787,946 | 637,852 |
| 328 | 1320 | | - | -- | 7.6 | 89.40 | +7.7 | +0.1 | | 408.2 | | -1320 | -15 | 787,616 | 637,847 |
| 329 | 1650 | | - | -- | 8.8 | 89.50 | +4.8 | -4.0 | | 404.1 | | -1650 | -19 | 787,286 | 637,845 |
| 330 | 1980 | | - | -- | 10.1 | 89.50 | +5.8 | -4.3 | | 403.8 | | -1980 | -23 | 786,956 | 637,841 |
| 331 | 2310 | | - | -- | 9.2 | 89.50 | +6.7 | -2.5 | | 405.6 | | -2310 | -27 | 786,626 | 637,837 |
| TP | 2569 | | 181 45 09 | -17 | 11.0 | 89.50 | +7.5 | -3.5 | | 404.6 | TP | -7569 | -2 | 786,367 | 637,862 |
| TP | 2569 | | | | 11.1 | 270 16 | +7.5 | -3.6 | | | TP | | | | |
| BS | 1977 | | 342 29 21" | -- | +9.7 | 89 20 | -23.0 | -13.3 | 391.3 | | BS | -1867 | +650 | | |
| BS | 1977 | | | | 19.6 | 270 40 | -23.0 | -13.4 | | | BS | | | | |
| 332 | 1924 | | 343 19 | -- | 10.2 | 89.20 | +22.4 | +12.2 | | 403.5 | | +1826 | -607 | 786,326 | 637,905 |
| 333 | 1646 | | 348 53 | -- | 8.9 | 89.20 | +19.1 | +10.2 | | 401.5 | | +1605 | -365 | 786,105 | 638,147 |
| 334 | 1320 | | 349 58 | -- | 10.1 | 89.20 | +15.4 | +5.3 | | 396.6 | | +1292 | -268 | 785,792 | 638,244 |
| 335 | 990 | | - | -17 | 10.9 | 89.20 | +11.5 | +0.6 | | 391.9 | | +969 | -201 | 785,469 | 638,311 |
| 336 | 660 | | - | -- | 8.3 | 89.30 | +5.8 | -2.5 | | 388.8 | | +646 | -134 | 785,146 | 638,378 |
| 335 | 330 | | - | -- | 6.8 | 89.30 | +2.9 | -3.9 | | 387.4 | | +323 | -67 | 784,823 | 638,445 |
| 338 | 0 | | | | 5.1 | - | | -5.1 | | 386.2 | TP | 0 | 0 | 784,500 | 638,512 |
| 339 | 530 | | 170 02 | -17 | 6.0 | - | | -6.0 | | 385.3 | | -323 | +67 | 784,177 | 638,579 |
| 340 | 660 | | - | -- | 4.8 | - | | -4.8 | | 386.5 | | -646 | +133 | 783,854 | 638,645 |
| 341 | 990 | | - | -- | 6.6 | 89 50 | +2.9 | -3.7 | | 387.6 | | -970 | +200 | 783,530 | 638,712 |

J-786,375 X-637,870
T-INT. FL 406.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | | | | |
|-------------|----------------|-------------------|-----------------------------|-------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|---------|
| 2-28-85 | | K Greenfield | | B. Lot Camp | | 6834 | | KWA | | 19 | | 25 | | | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | | | | |
| Georgia | | | | GA. | | Dooly | | | | | | | | W Cassidy | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | | EAST + WEST - | | COORDINATES | | REMARKS |
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | | |
| | | | | | | | | | 391.3 | | | | | | | | | |
| 1/4 | 1361 | | 169°28'36" | -1.7° | 5-3 | 89°40 | +7.9 | +2.6 | | 393.9 | 1/4 | -1330 | +288 | 783,170 | 638,800 | 1/4 | 9-183,170 X-638,800 4 Way Inter. EL 395.0 | |
| 342 | 1320 | | 170°02' | -- | 7-3 | 89°40 | +7.7 | +0.4 | | 391.7 | | -1293 | +267 | 783,207 | 638,799 | | | |
| 343 | 1603 | | 165°08' | -- | 8-8 | 89°30 | +14.0 | +5.2 | | 396.5 | | -1536 | +457 | 782,964 | 638,969 | | | |
| 344 | 1742 | | 154°44' | -- | 9-0 | 89°20 | +20.3 | +11.3 | | 402.6 | | -1553 | +790 | 782,947 | 639,302 | | | |
| 345 | 1928 | | 146°16' | -- | 11-2 | 89°20 | +22.4 | +11.2 | | 402.5 | | -1571 | +1118 | 782,929 | 639,630 | | | |
| 346 | 2240 | | 143°15'12" | -- | 9-0 | 89°40 | +13.0 | +4.0 | | | TP | -1754 | +1393 | 782,743 | 639,908 | | | |
| 346 | 2240 | | | | 8-9 | 270°20 | +13.0 | +4.1 | | 395.4 | TP | -3 | +3 | | | | | |
| | 1488 | | 340°36'24" | -1.7° | +7.8 | 89°30 | -13.0 | -5.2 | 390.2 | | BS | -1388 | 535 | | | | | |
| | 1488 | | | | +7.7 | 270°30 | -13.0 | -5.3 | | | BS | -3 | +3 | | | | | |
| 347 | 1224 | | 348°48' | -- | 10-1 | 89°30 | +10.7 | +0.6 | | 390.8 | | +1193 | -273 | 782,545 | 640,173 | | | |
| 1/4 | 1014 | | 001°58'56" | -- | 8-7 | 89°30 | +8.9 | +0.2 | | 390.4 | | +1014 | +5 | 782,366 | 640,451 | 1/4 | 492380 X-640,470 T-Inter. EL 390.0 | |
| 348 | 989 | | 001°02' | -- | 9-2 | 89°30 | +8.6 | -0.6 | | 387.6 | | +989 | -11 | 782,341 | 640,435 | | | |
| 349 | 660 | | 001°03' | -1.7 | 7-8 | 89°30 | +5.8 | -2.0 | | 388.2 | | +660 | -7 | 782,012 | 640,439 | | | |
| 350 | 330 | | -- | -- | 7-7 | 89°30 | +2.9 | -4.8 | | 385.4 | | +330 | -4 | 781,682 | 640,442 | | | |
| 351 | 0 | | | | 5-1 | ~ | | -5.1 | | 385.1 | X | 0 | 0 | 781,352 | 640,446 | | | |
| 352 | 330 | | 181°51' | -- | 8-3 | 89°30 | +2.9 | -5.4 | | 384.8 | | -330 | -1 | 781,022 | 640,445 | | | |
| 353 | 660 | | -- | -- | 10-0 | ~ | | -10.0 | | 380.2 | | -660 | -2 | 780,692 | 640,444 | | | |
| 354 | 990 | | -- | -- | 5-9 | ~ | | -5.9 | | 384.3 | | -990 | -3 | 780,362 | 640,443 | | | |
| 355 | 1320 | | -- | -- | 7-3 | 89°50 | +3.8 | -3.5 | | 386.7 | | -1320 | -3 | 780,032 | 640,443 | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|----------------------|--------------------|---------------|-------------------------------------|
| 2-28-85 | | K Greenfield | | B. Cotcamp | | 6834 | | KGC W | | 19 | | 26 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Georgia | | Pineview NW 7 1/2 | | Ga | | Dooly | | | | | | | | W Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 390.2 | | | | | | |
| 356 | 1650 | | 181° 51' | -1.7° | 5.0 | 89° 50' | +4.8 | -0.2 | | 390.0 | | -1650 | -4 | 779,702 | 640,442 |
| 357 | 1980 | | - | - | 11.5 | 89° 30' | +17.3 | +5.8 | | 396.0 | | -1980 | -5 | 779,372 | 640,441 |
| 358 | 2310 | | - | - | 6.6 | 89° 30' | +20.2 | +13.6 | | 403.8 | | -2310 | -6 | 779,002 | 640,440 |
| 359 | 2641 | | 181° 43' 30" | - | 7.5 | 89° 30' | +23.1 | +15.6 | | | TP | -2641 | -1 | 778,708 | 640,448 |
| 359 | 2641 | | | | 7.4 | 270° 30' | +23.1 | +15.7 | | 405.9 | TP | -3 | +3 | | |
| | 3630 | | | | +7.0 | 89° 28' | -33.8 | -26.8 | 379.0 | | BS | -3630 | -37 | | |
| | 3630 | | 002° 17' 06" | -1.7° | +6.8 | 270° 32' | -33.8 | -27.0 | -26.7 | | BS | -3 | +3 | | |
| 36 | 3456 | | 002° 27' | - | 11.5 | 89° 20' | +40.2 | +28.7 | | 407.7 | TP | +3455 | +45 | 778,530 | 640,459 |
| | | | | | | | | | | | | | | | 4 778,595 X=640,485 3 1/2 431101 |
| 360 | 3300 | | 002° 17' | - | 11.8 | 89° 20' | +38.4 | +26.6 | | 405.6 | | +3300 | +34 | 778,375 | 640,448 |
| 361 | 2970 | | - | - | 12.6 | 89° 20' | +34.5 | +21.9 | | 400.9 | | +2970 | +30 | 778,045 | 640,444 |
| 362 | 2640 | | - | - | 8.9 | 89° 30' | +23.0 | +14.1 | | 393.1 | | +2640 | +27 | 777,715 | 640,441 |
| 363 | 2310 | | 002° 17' | -1.7° | 11.8 | 89° 30' | +20.2 | +8.4 | | 387.4 | | +2310 | +24 | 777,385 | 640,438 |
| 364 | 1980 | | - | - | 8.8 | 89° 40' | +11.5 | +2.7 | | 381.7 | | +1980 | +20 | 777,055 | 640,434 |
| 365 | 1650 | | - | - | 10.6 | 89° 40' | +9.6 | -1.0 | | 378.0 | | +1650 | +17 | 776,725 | 640,431 |
| 366 | 1320 | | - | - | 10.4 | 89° 40' | +7.7 | -2.7 | | 376.3 | | +1320 | +13 | 776,395 | 640,427 |
| 367 | 990 | | 002° 17' | - | 7.8 | 89° 40' | +5.8 | -2.0 | | 377.0 | | +990 | +10 | 776,065 | 640,424 |
| 368 | 660 | | - | -1.7° | 9.0 | 89° 10' | +7.6 | +0.6 | | 379.6 | | +660 | +7 | 775,735 | 640,421 |
| 369 | 330 | | - | - | 6.3 | 89° 10' | +4.9 | -1.5 | | 377.5 | | +330 | +3 | 775,405 | 640,417 |
| 370 | 0 | | | - | 5.1 | - | | -5.1 | | 373.9 | TP | 0 | 0 | 775,075 | 640,414 |
| 371 | 330 | | 182° 22' | - | 6.4 | 89° 50' | +1.0 | -5.4 | | 373.6 | | -330 | -4 | 774,745 | 640,410 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|----------------------|--------------------|---------------|---------|
| 2-28-85 | | K Greenfield | | B COY CARP | | 6634 | | Kwe | | 19 | | 27 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Georgia | | PINEVIEW NW 7 1/2 | | GA | | DEOLY | | | | | | | | W. GASSNER | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS & TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 379.0 | | | | | | |
| 372 | 660 | | 182 22 | -1.7 | 7.8 | 89 50 | +1.9 | -5.9 | | 373.1 | | -660 | -8 | 774,415 | 640,406 |
| 373 | 990 | | - - | - - | 7.3 | 89 50 | +2.9 | -4.4 | | 374.6 | | -990 | -12 | 774,085 | 640,402 |
| 374 | 1320 | | - - | - - | 5.7 | 89 50 | +3.8 | -1.9 | | 377.1 | | -1320 | -15 | 773,755 | 640,399 |
| + | 1489 | | 182 09 | - - | 3.1 | 89 50 | +4.3 | +1.2 | | 380.2 | | -1489 | -12 | 773,586 | 640,402 |
| 375 | 1650 | | 182 22 | - - | 12.0 | 89 30 | +14.4 | +2.4 | | 381.4 | | -1650 | -19 | 773,425 | 640,395 |
| 376 | 1980 | | - - | - - | 9.8 | 89 30 | +17.3 | +7.5 | | 386.5 | | -1980 | -23 | 773,095 | 640,391 |
| 377 | 2310 | | - - | - - | 11.4 | 89 20 | +26.9 | +15.5 | | 394.5 | | -2310 | -27 | 772,765 | 640,387 |
| BM 378 | 2499 | | 182 53 39 | - - | 10.9 | 89 20 | +27.1 | +18.2 | | 397.2 | | -2498 | -52 | 772,577 | 640,362 |
| 378 | 2640 | | 182 22 | -1.7 | 12.9 | 89 20 | +30.7 | +17.8 | | 396.8 | | -2640 | -31 | 772,435 | 640,383 |
| 379 | 2970 | | - - | - - | 10.8 | 89 30 | +25.9 | +15.1 | | 394.1 | | -2970 | -35 | 772,105 | 640,379 |
| 380 | 3300 | | - - | - - | 10.5 | 89 30 | +28.8 | +18.3 | | 397.3 | | -3300 | -38 | 771,775 | 640,376 |
| 381 | 3630 | | - - | - - | 7.6 | 89 30 | +31.7 | +24.1 | | 403.1 | | -3630 | -42 | 771,445 | 640,372 |
| 382 | 3960 | | - - | - - | 6.3 | 89 28 | +36.9 | +30.6 | | 409.6 | | -3960 | -46 | 771,115 | 640,368 |
| 383 | 3991 | | 182 09 33 | -1.7 | 6.4 | 89 28 | +37.2 | +30.8 | | 409.8 | | -3991 | -32 | 771,084 | 640,382 |
| 383 | 4291 | | 182 17 | - - | 9.0 | 89 24 | +44.9 | +35.9 | | 414.9 | | -4291 | -44 | 770,784 | 640,370 |
| 384 | 4621 | | - - | - - | 7.0 | 89 26 | +45.7 | +38.7 | | 417.7 | | -4621 | -47 | 770,454 | 640,367 |
| TP | 4823 | | 182 10 14 | - - | 13.0 | 89 28 | +44.9 | +31.9 | | | TP | -4823 | -40 | 770,249 | 640,377 |
| TP | 4823 | | 002 10 46 | - - | 12.9 | 270 32 | +44.9 | +32.0 | | 411.0 | TP | -3 | 13 | | |
| | 2770 | | 2 10 46 | - - | 10.2 | 89 30 | -24.2 | -14.0 | | 396.9 | | -2770 | -23 | | |
| | 2770 | | | | +9.9 | 89 30 | -24.2 | -14.3 | | -14.1 | | -3 | 13 | | |

U.S.G.S. E.L. 380.0

PINEVIEW NW

PINEVIEW SW

U.S.G.S. E.L. 399.0

U.S.G.S. E.L. 410.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | | | | | | | | | |
|------|---------|----------------|-----------------|---------|------------|--------------|-------|------------------|-----|-----------|----|------|---------------|------------|
| DATE | 2-28-85 | INSTRUMENT MAN | K. Greenfield | ROD MAN | B. Cotcamp | PARTY NUMBER | 6834 | NOTES CHECKED BY | KWG | SHEET NO. | 19 | PAGE | 28 | |
| AREA | Georgia | TOPO MAP | Pineview SW 7/2 | STATE | GA | COUNTY | Dobly | TWP | | RANGE | | PPM | PARTY MANAGER | W. Cassidy |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS |
|-------------|----------------|-------------------|-----------------------------|------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|----------------------|--------------------|--|
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | |
| | | | | | 5.0 | 8 | | | 396.9 | | | | | |
| 385 | 2640 | | 002 12 | -1.7 | 5.0 | 89.40 | +15.4 | +10.4 | | 407.3 | | +2640 | +23 | 770,116 640,380 |
| 386 | 2310 | | - - | -- | 9.1 | 89.40 | +13.4 | +4.3 | | 401.2 | | +2310 | +20 | 769,786 640,377 |
| 387 | 1980 | | - - | -- | 11.9 | 89.40 | +11.5 | -0.4 | | 396.5 | | +1980 | +17 | 769,456 640,374 |
| 388 | 1650 | | - - | -- | 11.9 | 89.40 | +9.6 | -2.3 | | 394.6 | | +1650 | +14 | 768,126 640,371 |
| 389 | 1320 | | 2° 12' | -1.7 | 9.1 | 89.40 | +7.7 | -1.4 | | 395.5 | | +1320 | +12 | 768,796 640,369 |
| 390 | 990 | | - - | -- | 6.3 | 89.40 | +5.8 | -0.5 | | 396.4 | | +990 | +9 | 768,466 640,366 |
| 391 | 660 | | - - | -- | 5.1 | 89.40 | +3.8 | -1.3 | | 395.6 | | +660 | +6 | 768,136 640,363 |
| 392 | 330 | | - - | -- | 5.2 | 89.40 | +1.9 | -3.3 | | 393.6 | | +330 | +3 | 767,806 640,360 |
| 393 | 0 | | - - | -- | 5.1 | - | | -5.1 | | 391.8 | 1 | 0 | 0 | 767,476 640,357 |
| 394 | 930 | | 181 49 | -1.7 | 7.1 | 89.40 | +1.9 | -5.2 | | 391.7 | | -330 | -1 | 767,46 640,356 |
| 395 | 660 | | - - | -- | 9.0 | 89.40 | +3.8 | -5.2 | | 391.7 | | -660 | -1 | 766,816 640,356 |
| 396 | 990 | | - - | -- | 8.8 | 89.40 | +5.8 | -3.0 | | 393.9 | | -990 | -2 | 766,486 640,355 |
| 397 | 1320 | | - - | -- | 6.8 | 89.40 | +7.7 | -0.9 | | 396.0 | | -1320 | -3 | 766,156 640,354 |
| 398 | 1650 | | 181 49 | -1.7 | 13.6 | 89.20 | +19.2 | +5.6 | | 402.5 | | -1650 | -3 | 765,826 640,354 |
| 399 | 1980 | | - - | -- | 11.3 | 89.20 | +23.0 | +11.7 | | 408.6 | | -1980 | -4 | 765,496 640,353 |
| 400 | 2310 | | - - | -- | 7.7 | 89.20 | +26.9 | +19.2 | | 416.1 | | -2310 | -5 | 765,166 640,352 |
| 4 | 2495 | | 181 35 22 | -- | 5.6 | 89.20 | +29.0 | +23.4 | | 420.3 | | -2495 | +5 | 764,986 640,352 + 75.770 x 640,360 + 4 way. inter. E. 420.0 |
| 401 | 2640 | | 181 51' 18" | -- | 8.5 | 89.20 | +30.7 | +22.2 | | 419.2 | TP | -2640 | -7 | 764,833 640,353 |
| 401 | 2640 | | | -- | 8.3 | 270.40 | +30.7 | +22.4 | 22.33 | | TP | -3 | +3 | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|-------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|---------|
| 2-28-85 | | K Greenfield | | B. COY CAMP | | 6834 | | KWL | | 19 | | 29 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Georgia | | PREVIEW SW 7 1/2 | | GA | | DOOLY | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | | 419.2 | | | | | |
| | 2310 | | | -1.7° | +7.2 | 89° | -40.3 | -33.1 | 386.0 | | BS | -2309 | -31 | | |
| | 2310 | | 002° 27' 42" | -- | +7.0 | 271° | -40.3 | 33.3 | 332 | | BS | -3 | +3 | | |
| 402 | 1980 | | 2° 28' | -- | 10.5 | 89° | +34.6 | +24.1 | | 410.1 | | +1980 | +26 | 764,501 | 640,351 |
| 403 | 1650 | | - | -- | 9.4 | 89° | +28.8 | +19.4 | | 405.4 | | +1650 | +22 | 764,171 | 640,347 |
| 404 | 1320 | | - | -- | 3.5 | 89° | +23.0 | +19.5 | | 405.5 | | +1320 | +18 | 763,841 | 640,343 |
| 405 | 990 | | 2° 28' | -1.7° | 8.6 | 88° 40' | +23.0 | +14.4 | | 400.4 | | +990 | +13 | 763,511 | 640,338 |
| 406 | 660 | | - | -- | 8.5 | 88° 40' | +15.4 | +5.9 | | 391.9 | | +660 | +9 | 763,181 | 640,334 |
| 407 | 330 | | - | -- | 7.9 | 88° 40' | +7.7 | -0.2 | | 385.8 | | +330 | +4 | 762,851 | 640,329 |
| 408 | 0 | | | | 5.1 | - | | -5.1 | | 380.9 | TP | 0 | 0 | 762,521 | 640,325 |
| 409 | 330 | | 182° 15' | -1.7° | 10.2 | 89° 10' | +4.8 | -5.4 | | 380.6 | | -330 | -3 | 762,191 | 640,322 |
| 410 | 660 | | - | -- | 9.6 | 89° 30' | +5.8 | -3.8 | | 382.2 | | -660 | -6 | 761,861 | 640,317 |
| 411 | 990 | | - | -- | 8.9 | 89° 30' | +8.6 | -0.3 | | 385.7 | | -990 | -10 | 761,531 | 640,315 |
| 412 | 1320 | | - | -- | 7.7 | 89° 30' | +11.5 | +3.8 | | 389.8 | | -1320 | -13 | 761,201 | 640,312 |
| 413 | 1650 | | 182° 15' | -1.7° | 5.3 | 89° 30' | +14.4 | +9.1 | | 395.1 | | -1650 | -16 | 760,871 | 640,309 |
| 414 | 1980 | | - | -- | 4.9 | 89° 30' | +17.3 | +12.4 | | 398.4 | | -1980 | -19 | 760,541 | 640,306 |
| 415 | 2310 | | - | -- | 6.1 | 89° 30' | +20.2 | +14.1 | | 400.1 | | -2310 | -22 | 760,211 | 640,303 |
| 416 | 2640 | | - | -- | 8.5 | 89° 30' | +23.0 | +14.5 | | 400.5 | | -2640 | -25 | 759,881 | 640,300 |
| 417 | 2970 | | 182° 15' 09" | -- | 12.1 | 89° 36' | +20.7 | +8.6 | | | TP | -2970 | -29 | 759,549 | 640,299 |
| 417 | 2970 | | | | 12.0 | 270° 24' | +20.7 | +8.7 | | 394.7 | TP | -2 | +3 | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|----------------|----------------|-------------------|-----------------------------|-------------|----------------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|----------------------|--------------------|---------------|---------|
| 2-28-85 | | K Greenfield | | B. COY CAMP | | 6834 | | 1506 W | | 19 | | 30 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Georgia | | PINEVIEW SW 7 1/2 | | GA | | Deeley | | | | | | | | W. CASSIDY | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | | 394.7 | | | | | |
| BS | 2177 | | 002 40 30 | -1.7 | 10.3 | 89 30 | -19.0 | -8.7 | 386.0 | | BS | -2177 | -37 | | |
| BS | 2177 | | | | 10.2 10.2 | 270 30 | -19.0 | -8.8 | | | BS | -1 | +2 | | |
| 418 | 1847 | | 2° 41' | -- | 10.9 | 89 40 | +10.7 | -0.2 | | 385.8 | | +1847 | +32 | 759,218 | 640,296 |
| 419 | 1517 | | - | -- | 9.8 | 89 50 | +4.4 | -5.4 | | 380.6 | | +1517 | +26 | 758,888 | 640,290 |
| 420 | 1203 | | 358° 9' | -- | 11.2 | 89 50 | +3.5 | -7.7 | | 378.3 | | +1201 | -94 | 758,572 | 640,190 |
| BS | 1077 | | 005 29' 34" | -1.7 | 11.2 | 89 50 | +3.1 | -8.1 | | 377.9 | ICx | +1077 | +71 | 758,448 | 640,335 |
| 421 | 963 | | 006 41' | -- | 10.7 | 90° | | -10.7 | | 375.3 | | +959 | +84 | 758,330 | 640,348 |
| 422 | 660 | | 2° 41' | -- | 10.0 | - | | -10.0 | | 376.0 | | +660 | +11 | 758,031 | 640,275 |
| 423 | 330 | | - | -- | 6.2 | - | | -6.2 | | 379.8 | | +330 | +6 | 757,701 | 640,270 |
| 424 | 0 | | | | 5.1 | - | | -5.1 | | 380.9 | T | 0 | 0 | 757,371 | 640,264 |
| 425 | 330 | | 182° 30' | -1.7 | 7.9 | - | | -7.9 | | 378.1 | | -330 | -5 | 757,041 | 640,259 |
| 426 | 660 | | - | -- | 10.2 | - | | -10.2 | | 375.8 | | -660 | -9 | 756,711 | 640,255 |
| 427 | 990 | | - | -- | 10.6 | - | | -10.6 | | 375.4 | | -990 | -14 | 756,381 | 640,250 |
| 428 | 1320 | | - | -- | 8.1 | - | | -8.1 | | 377.9 | | -1320 | -18 | 756,051 | 640,246 |
| 428 | 1471 | | 182 26 54' | -- | 5.8 | - | | -5.8 | | 380.2 | | -1471 | -19 | 755,900 | 640,245 |
| 429 | 1650 | | 182° 34' | -- | 7.5 | 89 50 | +4.8 | -2.7 | | 383.3 | | -1650 | -25 | 755,721 | 640,239 |
| 430 | 1980 | | 182 33 54' | -- | 10.9 | 89 50 | +5.8 | -5.1 | | | TP | -1980 | -30 | 755,391 | 640,234 |
| 430 | 1980 | | | | 10.8 | 270 10 | +5.8 | -5.0 | | 381.0 | TP | | | | |
| | 2310 | | 002 20' 30" | -1.7 | 7.0 | 90- | | +7.0 | 388.0 | | BS | -2310 | -26 | | |
| | 2310 | | | | 6.9 | 270 | | +6.9 | | | BS | | | | |

y = 758,450 x = 640,325
CHISELED SQUARE EL. 378.0

y = 755,900 x = 640,245
T-Inter. 441.5
corr. x = +29

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|---------|
| 2-28-85 | | 15 Greenfield | | B. Cotcamp | | 6834 | | KLG | | 19 | | 31 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Georgia | | Pineview SW 7 1/2 | | GA | | Dooly | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS A TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 388.0 | | | | | | |
| 431 | 1980 | | 2° 21' | -1.7 | 11.8 | - | | -11.8 | | 376.2 | | +1980 | +22 | 755,061 | 640,230 |
| 432 | 1650 | | -- | -- | 8.6 | 90° 10' | -4.8 | -13.4 | | 374.6 | | +1650 | +19 | 754,731 | 640,227 |
| 433 | 1320 | | -- | -- | 6.8 | 90° 10' | -3.8 | -10.6 | | 377.4 | | +1320 | +15 | 754,401 | 640,223 |
| 434 | 990 | | -- | -- | 5.8 | 90° 10' | -2.9 | -8.7 | | 379.3 | | +990 | +11 | 754,071 | 640,219 |
| 435 | 660 | | -- | -- | 6.1 | 90° 10' | -1.9 | -8.0 | | 380.0 | | +660 | +7 | 753,741 | 640,215 |
| 436 | 330 | | -- | -- | 7.2 | 90° 10' | -1.0 | -8.2 | | 379.8 | | +330 | +4 | 753,411 | 640,212 |
| 437 | 0 | | | | 5.1 | - | | -5.1 | | 382.9 | A | 0 | 0 | 753,081 | 640,208 |
| 438 | 330 | | 181° 34' | -1.7 | 6.6 | 89° 10' | +3.0 | -3.6 | | 384.4 | | -263 | +2 | 752,878 | 640,210 |
| 438 | 330 | | 182° 32' | -- | 9.6 | 89° 10' | +4.8 | -4.8 | | 383.2 | | -330 | -5 | 752,751 | 640,203 |
| 439 | 660 | | -- | -- | 11.2 | - | | -11.2 | | 376.8 | | -660 | -10 | 752,421 | 640,198 |
| 440 | 990 | | -- | -- | 10.6 | BH | -5.0 | -15.6 | | 372.4 | | -990 | -14 | 752,091 | 640,194 |
| 441 | 1320 | | -- | -- | 11.9 | - | | -11.9 | | 376.1 | | -1320 | -19 | 751,761 | 640,189 |
| 442 | 1650 | | 182° 32' | -1.7 | 5.0 | BH | -8.3 | -13.3 | | 374.7 | | -1650 | -24 | 751,431 | 640,184 |
| 443 | 1980 | | -- | -- | 10.9 | - | | -10.9 | | 377.1 | | -1980 | -29 | 751,101 | 640,179 |
| 444 | 2310 | | -- | -- | 6.1 | - | | -6.1 | | 381.9 | | -2310 | -34 | 750,771 | 640,174 |
| 445 | 2640 | | 182° 32' 09" | | 11.6 | 90° | | -11.6 | | | TP | -2640 | -39 | 750,441 | 640,169 |
| 445 | 2440 | | | | 11.5 | 270° | | -11.5 | | 376.5 | TP | | | | |

1/2 - 752,885 X - 640,220
T-Inter.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|-----------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|----------------------|--------------------|---------------|---------|
| 2-28-85 | | K Greenfield | | B cotcamp | | 6834 | | KWA | | V | | 32 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Georgia | | Pineview SW 7 1/2 | | GA | | Dooly | | | | | | | | W Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | | 376.5 | | | | | |
| BS | 3300 | | 002°49'30" | -2.0° | +9.9 | 89°40' | -19.2 | -9.3 | 367.2 | | BS | -3300 | -48 | | |
| BS | 3300 | | 002°47' | | +9.8 | 270°20' | -19.2 | -9.4 | | | BS | | | | |
| 446 | 2970 | | - | | 6.2 | 89°50' | +8.6 | +2.4 | | 369.6 | | +2970 | +41 | 750,111 | 640,162 |
| 447 | 2640 | | - | | 6.4 | 89°50' | +7.7 | +1.3 | | 368.5 | | +2640 | +36 | 749,781 | 640,159 |
| 448 | 2310 | | 2°47' | | 5.6 | 89°50' | +6.7 | +1.1 | | 368.3 | | +2310 | +32 | 749,451 | 640,153 |
| 449 | 1980 | | - | -2.0° | 8.0 | 89°40' | +11.5 | +3.5 | | 370.7 | | +1980 | +27 | 749,121 | 640,148 |
| 450 | 1650 | | - | | 6.4 | 89°40' | +9.6 | +3.2 | | 370.4 | | +1650 | +23 | 748,791 | 640,144 |
| 451 | 1320 | | - | | 5.5 | 89°40' | +7.7 | +2.2 | | 369.4 | | +1320 | +18 | 748,461 | 640,139 |
| 452 | 990 | | 2°47' | | 6.8 | 89°30' | +8.6 | +1.8 | | 369.0 | | +990 | +14 | 748,131 | 640,135 |
| 453 | 660 | | - | | 6.7 | 89°30' | +5.8 | -0.9 | | 366.3 | | +660 | +9 | 747,801 | 640,130 |
| 454 | 330 | | - | | 5.9 | 89°30' | +2.9 | -3.0 | | 364.2 | | +330 | +5 | 747,471 | 640,126 |
| 455 | 0 | | - | | 5.1 | | | -5.1 | | 362.1 | TP | 0 | 0 | 747,141 | 640,121 |
| TP | 271 | | 179°55' | -2.0° | 6.8 | 89°30' | +2.4 | -4.4 | | 362.8 | | -271 | +10 | 746,870 | 640,131 |
| 456 | 330 | | 182°19' | | 7.9 | 89°30' | +2.9 | -5.0 | | 362.2 | | -330 | -2 | 746,811 | 640,119 |
| 457 | 660 | | - | | 10.5 | 89°30' | +5.8 | -4.7 | | 362.5 | | -660 | -3 | 746,481 | 640,118 |
| 458 | 990 | | - | | 6.0 | - | | -6.0 | | 361.2 | | -990 | -5 | 746,151 | 640,116 |
| 459 | 1320 | | - | | 8.0 | - | | -8.0 | | 359.2 | | -1320 | -7 | 745,821 | 640,114 |
| 460 | 1650 | | - | | 9.3 | - | | -9.3 | | 357.9 | | -1650 | -9 | 745,491 | 640,112 |
| 461 | 1980 | | - | | 10.2 | - | | -10.2 | | 357.0 | | -1980 | -10 | 745,161 | 640,111 |
| 462 | 2310 | | - | | 11.3 | - | | -11.3 | | 355.9 | | -2310 | -12 | 744,831 | 640,109 |

TP 746,890 x 640,110
4.4000 INCH. EL. 363.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|-----------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|---------|
| 2-28-85 | | K Greenfield | | RCOT CAMP | | 6834 | | KOC | | 19 | | 33 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Geosource | | Pineview S.W. 1/4 | | Ga | | Dooly | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 367.2 | | | | | | |
| 463 | 2640 | | 182 19' | -2.0 | 12.5 | - | | -12.5 | | 354.7 | | -2640 | -14 | 744,501 | 640,107 |
| 464 | 2970 | | " " | -- | 9.8 | 90 04 | -3.4 | -13.2 | | 354.0 | | -2970 | -16 | 744,171 | 640,105 |
| f | 3190 | | 182° 01' 56" | -- | | | | | | | | | | | |
| 465 TP | 3300 | | | | 5.0 | 90 10 | -9.6 | -14.6 | | | TP | -3300 | -12 | 743,841 | 640,109 |
| 465 TP | 3300 | | 182 12 19" | -2.0 | 4.9 | 269 50 | -9.6 | -14.5 | | 352.7 | TP | | | | |
| | 2640 | | 002 48 42" | -- | 5.0 | 89 50 | -7.7 | -2.7 | 350.0 | | BS | -2640 | -37 | | |
| | 2640 | | | | +4.9 | 270 10 | -7.7 | -2.8 | | | BS | | | | |
| 466 | 2310 | | 002 40' | -2.0 | 5.0 | 89 50 | +6.7 | +1.7 | | 351.7 | | +2310 | +27 | 743,511 | 640,099 |
| 467 | 1980 | | -- | -- | 5.3 | 89 50 | +5.8 | +0.5 | | 350.5 | | +1980 | +23 | 743,181 | 640,095 |
| 468 | 1650 | | -- | -- | 6.1 | 89 50 | +4.8 | -1.3 | | 348.7 | | +1650 | +19 | 742,851 | 640,091 |
| 469 | 1320 | | -- | -- | 5.5 | 89 50 | +3.8 | -1.7 | | 348.3 | | +1320 | +15 | 742,521 | 640,087 |
| 470 | 990 | | -- | -2.0 | 5.2 | 89 50 | +2.9 | -2.3 | | 347.7 | | +990 | +12 | 742,191 | 640,084 |
| 471 | 660 | | -- | -- | 6.2 | 89 40 | +3.8 | -2.4 | | 347.6 | | +660 | +8 | 741,861 | 640,080 |
| 472 | 330 | | -- | -- | 5.0 | 89 30 | +2.9 | -2.1 | | 347.9 | | +330 | +4 | 741,531 | 640,076 |
| 473 | 0 | | | | 8.4 | - | | -5.1 | | 344.9 | X | 0 | 0 | 741,201 | 640,072 |
| 474 | 330 | | 182 27 | -2.0 | 8.4 | - | | -8.4 | | 341.6 | | -330 | -3 | 740,871 | 640,069 |
| BM | 339 | | 177 45 40" | -- | 8.0 | - | | -8.0 | | 342.0 | | -330 | +25 | 740,863 | 640,097 |
| 475 | 660 | | 182 27 | -- | 7.8 | - | | -7.8 | | 342.2 | | -660 | -5 | 740,541 | 640,067 |
| 476 | 990 | | -- | -- | 9.5 | - | | -9.5 | | 340.5 | | -990 | -8 | 740,211 | 640,064 |
| 477 | 1320 | | -- | -- | 12.8 | - | | -12.8 | | 337.2 | | -1320 | -10 | 739,881 | 640,062 |

Y = 740,863 X = 640,130
B.M. Elev. 342.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|------------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|---------|
| 2-28-85 | | K Greenfield | | B. Cotcamp | | 6834 | | B. S. G. W. | | | | 34 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| GEO-445 | | Pineview S.W. - 7 1/2' | | Ga. | | DOOLY / CRISP | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS A TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 350.0 | | | | | | |
| 478 | 1650 | | 182° 27' | -20 | 11.3 | BH | -8.3 | -19.6 | | 330.4 | | -1650 | -13 | 739,551 | 640,059 |
| 479 | 1980 | | - - | -- | 11.4 | 90 20 | -11.5 | -22.9 | | 327.1 | | -1980 | -16 | 739,221 | 640,056 |
| 480 | 2310 | | - - | -- | 9.0 | 90 20 | -13.4 | -22.4 | | 327.6 | | -2310 | -18 | 738,891 | 640,054 |
| 481 | 2640 | | - - | -- | 9.8 | 90 10 | -7.7 | -17.5 | | 332.5 | | -2640 | -21 | 738,561 | 640,051 |
| T | 2942 | | 182 32 06 | -- | 4.8 | 90 10 | -8.6 | -13.4 | | 336.6 | | -2942 | -27 | 738,259 | 640,045 |
| 482 | 2943 | | 183 08 | -- | 5.2 | 90 10 | -8.6 | -13.8 | | 336.2 | | -2942 | -58 | 738,259 | 640,014 |
| TP | 3161 | | 182 41 21 | -- | 6.0 | 90 10 | -9.2 | -15.2 | | | TP | -3161 | -38 | 738,040 | 640,034 |
| TP | 3161 | | | | 5.9 | 269 50 | -9.2 | -15.1 | | 334.9 | TP | | | | |
| | 1827 | | 272 25 45 | -20 | 7.8 | 90 30 | +13.3 | +21.1 | | | BS | -11 | +1527 | | |
| | 1527 | | | | 7.9 | 269 30 | +13.3 | +21.2 | 356.1 | | BS | | | | |
| 483 | 1650 | | 272 54 | -- | 6.2 | 90 30 | -14.4 | -20.6 | | 335.5 | | +26 | -1650 | 738,055 | 637,911 |
| 484 | 1320 | | 272° 26' | -- | 12.3 | 90 20 | -7.7 | -20.0 | | 336.1 | | +10 | -1320 | 738,039 | 640,241 |
| 485 | 990 | | - - | -- | 11.6 | 90 20 | -5.8 | -17.4 | | 338.7 | | +7 | -990 | 738,036 | 640,571 |
| 486 | 660 | | - - | -- | 10.6 | 90 20 | -3.8 | -14.4 | | 341.7 | | +5 | -660 | 738,034 | 640,901 |
| 487 | 330 | | - - | -- | 7.7 | 90 20 | -1.9 | -9.6 | | 346.5 | | +3 | -330 | 738,032 | 641,231 |
| 488 | 0 | | | | 5.1 | - | | -5.1 | | 351.0 | T | 0 | 0 | 738,029 | 641,561 |
| 489 | 370 | | 092 00 | 20 | 8.1 | 90 20 | -1.9 | -10.0 | | 346.1 | | ±0 | +330 | 738,029 | 641,891 |
| 490 | 660 | | - - | -- | 10.0 | 90 20 | -3.8 | -13.8 | | 342.3 | | ±0 | +660 | 738,029 | 642,221 |
| 491 | 990 | | - - | -- | 5.8 | 90 20 | -5.8 | -11.6 | | 344.5 | | ±0 | +990 | 738,029 | 642,551 |
| 492 | 1320 | | - - | -- | 11.8 | 89 40 | +7.7 | -4.1 | | 352.0 | | ±0 | +1320 | 738,029 | 642,881 |

Y = 738,295 X = 640,080
T - Int. EL. 339.0

DOOLY County ↑

CRISP County ↓

LINE RUNS EAST WEST ON COUNTY LINE (cont)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | | |
|-------------------|------------------------------------|-----------------------|-----------------------|-------------------------|-----------------|------------|----------------------------|
| DATE 2-28-85 | INSTRUMENT MAN K. Greenfield | ROD MAN B cot camp | PARTY NUMBER 6834 | NOTES CHECKED BY KUD | SHEET NO. 19 | PAGE 35 | |
| AREA Geosource | TOPO MAP Pineview S.W. - 7 1/2' | STATE Ga | COUNTY Dooly/Crisp | TWP | RANGE | PPM | PARTY MANAGER W CASSIDY |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | COORDINATES | | REMARKS |
|-------------|----------------|-------------------|-----------------------------|------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---|
| | | | | | | | | | | | | | | Y | X | |
| | | | | | | | | | 356.1 | | | | | | | |
| + | 1554 | | 091 49 30 | -2.0 | 5.5 | 89 40 | +9.0 | +3.5 | | 359.6 | | +5 | +1554 | 738,034 | 643,115 | Y=738,020 X=643,120 T-Inter. EL. 361.0 |
| 493 | 1650 | | 92 - | -- | 4.7 | 89 40 | +9.6 | +4.9 | | 361.0 | | ±0 | +1650 | 738,029 | 643,211 | |
| 494 | 1980 | | 091 57 09" | -- | 12.0 | 89 40 | +11.5 | -0.5 | | 355.6 | TP | +2 | +1980 | 738,031 | 643,541 | |
| | 1980 | | | | 12.1 | 270 20 | +11.5 | -0.6 | | | TP | | | | | |
| | 1997 | | 271 55 43" | -2.0 | 5.4 | - | | +5.4 | 361.0 | | BS | +3 | +1997 | | | |
| | 1997 | | | | 5.3 | 270° | | +5.3 | | | BS | | | | | |
| 495 | 1668 | | 271 56 | -- | 12 - | - | | -12.0 | | 349.0 | | -2 | -1668 | 738,032 | 643,870 | |
| 496 | 1338 | | - - | -- | 7.0 | BH | -6.7 | -13.7 | | 347.3 | | -2 | -1338 | 738,032 | 644,200 | |
| 497 | 1008 | | - - | -- | 8.4 | - | | -8.4 | | 352.6 | | -1 | -1008 | 738,033 | 644,530 | |
| 498 | 678 | | - - | -- | 8.1 | - | | -8.1 | | 352.9 | | -1 | -678 | 738,033 | 644,860 | |
| 499 | 348 | | - - | -- | 5.9 | - | | -5.9 | | 355.1 | | ±0 | -348 | 738,034 | 645,190 | |
| 500 | 18 | | - - | -- | 5.2 | - | | -5.2 | | 355.8 | | ±0 | -18 | 738,034 | 645,520 | ↑ |
| π | 0 | | | | 5.1 | - | | -5.1 | | 355.9 | π | 0 | 0 | 738,034 | 645,538 | Dooly County |
| + | 35 | | 089 04 38" | -2.0 | 4.5 | - | | -4.5 | | 356.5 | + | +2 | +35 | 738,036 | 645,573 | Y=738,015 X=645,600 T-Inter. EL. 358.0 |
| 501 | 325 | | 181 56 | -- | 7.2 | - | | -7.2 | | 353.8 | | -325 | ±0 | 737,709 | 645,538 | Crisp County ↓ |
| 502 | 655 | | - - | -- | 9.7 | - | | -9.7 | | 351.3 | | -655 | +1 | 737,379 | 645,539 | |
| 503 | 985 | | - - | -- | 10.8 | BH | -4.9 | -15.7 | | 345.3 | | -985 | +1 | 737,049 | 645,539 | |
| 504 | 1315 | | - - | -- | 10.1 | 90 40 | -15.3 | -25.4 | | 335.6 | | -1315 | +2 | 736,719 | 645,540 | |
| 505 | 1645 | | - - | -- | 11.6 | 90 40 | -19.1 | -30.7 | | 330.3 | | -1645 | +2 | 736,389 | 645,540 | |
| 506 | 1975 | | - - | -- | 8.2 | 90 40 | -23.0 | -31.2 | | 329.8 | | -1975 | +2 | 736,059 | 645,540 | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | |
|-----------------|--------------------------------|-----------------------|----------------------|----------------------------|----------------|------------|
| DATE 2-28-85 | INSTRUMENT MAN K Greenfield | ROD MAN B. Cotcamp | PARTY NUMBER 6834 | NOTES CHECKED BY KUG | LINE NO. 19 | PAGE 36 |
| AREA Georgia | TOPO MAP Pineview-7 1/2 | STATE Ga | COUNTY CRISP | TWP | RANGE | PPM |
| | | | | PARTY MANAGER W CASSIDY | | |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS & TP | COORDINATES | | REMARKS |
|-------------|----------------|-------------------|-----------------------------|------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|-------------------------|-----------------------|---|
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | |
| | | | | | | | | | 361.0 | | | | | |
| 507 | 2305 | | 181 56 | -2.0 | 10.0 | 90 30 | -20.1 | -30.1 | | 330.9 | | -2305 | +3 | 735,729 645,541 |
| 508 | 2635 | | - | -- | 9.8 | 90 20 | -15.3 | -25.1 | | 335.9 | | -2635 | +3 | 735,399 645,541 |
| 509 | 2963 | | 182 28 30 | -- | 8.4 | 90 10 | -8.6 | -17.0 | | | TP | -2963 | -25 | 735,071 645,513 |
| 509 | | | | | 8.3 | 269 50 | -8.6 | -16.9 | | 344.1 | TP | | | |
| | 2310 | | 002 38' | -2.6 | +9.0 | 90 10 | +6.7 | +15.7 | | 359.7 | BS | -2310 | -26 | |
| | 2310 | | 0 | -- | +8.8 | 269 50 | +6.7 | +15.5 | +15.6 | | BS | | | |
| 510 | 1990 | | 2 38' | -- | 10.8 | 90 10 | -5.8 | -16.6 | | 343.1 | | +1980 | +22 | 734,741 645,509 |
| 511 | 1650 | | - | -- | 9.0 | 90 30 | -14.4 | -23.4 | | 336.3 | | +1650 | +18 | 734,411 645,505 |
| 512 | 1320 | | - | -- | 10.3 | 90 40 | -15.4 | -25.7 | | 334.0 | | +1320 | +15 | 734,081 645,502 |
| 513 | 990 | | 2 38' | -- | 11.2 | 90 50 | -14.4 | -25.6 | | 334.1 | | +990 | +11 | 733,751 645,498 |
| 514 | 660 | | - | -- | 11.2 | 91 10 | -13.4 | -24.6 | | 335.1 | | +660 | -7 | 733,421 645,494 |
| 515 | 330 | | - | -- | 10.9 | 91 10 | -6.7 | -17.6 | | 342.1 | | +330 | +4 | 733,091 645,491 |
| 516 | 0 | | | | 5.1 | - | | -5.1 | | 354.6 | K | 0 | 0 | 732,761 645,487 $y = 732,750 \ x = 645,500$ |
| 517 | 730 | | 182 47 | -2.0 | 4.8 | - | | -4.7 | | 355.0 | | -330 | -5 | 732,431 645,482 |
| 518 | 660 | | - | -- | 4.8 | - | | -4.8 | | 354.9 | | -660 | -9 | 732,101 645,478 |
| + | 924 | | 182 07 39 | -- | 5.8 | - | | -5.8 | | 353.9 | + | -924 | -2 | 731,831 645,485 $y = 731,830 \ x = 645,490$ # 4 way 7100 31. 355.0 |
| 519 | 990 | | 182 47 | -- | 7.9 | - | | -7.9 | | 351.8 | | -990 | -14 | 731,771 645,473 |
| 520 | 1320 | | - | -- | 6.6 | - | | -6.6 | | 353.1 | | -1320 | -18 | 731,441 645,469 |
| 521 | 1650 | | - | -- | 7.8 | - | | -7.8 | | 351.9 | | -1650 | -23 | 731,111 645,464 |
| 522 | 1980 | | - | -- | 4.8 | - | | -4.8 | | 354.9 | | -1980 | -27 | 730,781 645,460 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | | |
|-----------------|--------------------------------|-----------------------|----------------------|----------------------------|----------------|------------|-----------------------------|
| DATE 2-28-85 | INSTRUMENT MAN K Greenfield | ROD MAN B Cot Camp | PARTY NUMBER 6834 | NOTES CHECKED BY B.C.W. | LINE NO. 19 | PAGE 37 | |
| AREA Georgia | TOPO MAP PINEVIEW S.W 7 1/2 | STATE GA | COUNTY CRISP | TWP | RANGE | PPM | PARTY MANAGER W. Cassidy |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | | EAST + WEST - | | COORDINATES | | REMARKS |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|------|---------------|---|-------------|---------|---|
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | | |
| | | | | | | | | | 359.7 | | | | | | | | | |
| 523 | 2310 | | 182°49' | -2.0° | 10.2 | TH | +11.6 | +1.4 | | 361.1 | | | | | | 730,451 | 645,455 | |
| 524 | 2640 | | 182°41'33" | | 2.5 | 89°50' | +7.7 | +5.2 | | | TP | -2310 | -32 | | | 730,121 | 645,455 | |
| 524 | 2640 | | | | 2.4 | 270°10' | +7.7 | +5.3 | | 365.0 | TP | | | | | | | |
| | 1550 | | 002°55'33" | -1.8° | +3.8 | 90°20' | +9.0 | +12.8 | | | BS | -1550 | -30 | | | | | |
| | 1550 | | | | +3.9 | 269°40' | +9.0 | +12.9 | 377.9 | | BS | | | | | | | |
| 525 | 1220 | | 002°55' | -1.8° | 8.7 | 90°20' | -7.1 | -15.8 | | 362.1 | | +1220 | +24 | | | 729,791 | 645,449 | |
| 526 | 890 | | - - | - - | 11.9 | 90°20' | -5.2 | -17.1 | | 360.8 | | +890 | +17 | | | 729,461 | 645,442 | |
| 527 | 560 | | - - | - - | 10.2 | 90°20' | -3.3 | -13.5 | | 364.4 | | +560 | +11 | | | 729,131 | 645,436 | |
| 528 | 230 | | - - | - - | 6.0 | 90°20' | -1.3 | -7.3 | | 370.6 | | +230 | +4 | | | 728,801 | 645,429 | |
| π | 0 | | | | 5.1 | - | | -5.1 | | 372.8 | π | 0 | 0 | | | 728,571 | 645,425 | |
| π | 44 | | 174°05'20" | -1.8° | 7.2 | - | | -7.2 | | 370.7 | π | -44 | +6 | | | 728,527 | 645,431 | 4 728.505 x 645.410 π 4 W x Inter. EL. 372.0 |
| 529 | 100 | | 184°31' | - - | 10.4 | 91° | -7.7 | -12.1 | | 365.8 | | -100 | -5 | | | 728,471 | 645,420 | |
| 530 | 430 | | 182°46' | - - | 12.1 | 91° | -7.5 | -19.6 | | 358.3 | | -430 | -7 | | | 728,141 | 645,418 | |
| 531 | 760 | | - - | - - | 7.9 | 91° | -13.3 | -21.1 | | 356.8 | | -760 | -13 | | | 727,811 | 645,412 | |
| 532 | 1090 | | - - | - - | 7.3 | 90°40' | -12.7 | -20.0 | | 357.9 | | -1090 | -18 | | | 727,481 | 645,407 | |
| 533 | 1420 | | - - | - - | 6.9 | 90°20' | -8.3 | -15.2 | | 362.7 | | -1420 | -24 | | | 727,151 | 645,401 | |
| 534 | 1749 | | 182°31'09" | -1.8° | 7.0 | 90°04' | -2.0 | -9.0 | | | TP | -1749 | -22 | | | 726,821 | 645,403 | |
| 534 | 1749 | | | | 6.9 | 269°56' | -2.0 | -8.9 | | 369.0 | TP | | | | | | | |
| | 1197 | | 003°56'30" | - - | +7.8 | 91°30' | +31.3 | +39.1 | | | BS | -1196 | -45 | | | | | |
| | 1197 | | | | +7.9 | 268°30' | +31.3 | +39.2 | 408.2 | | BS | | | | | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | |
|-----------------|--------------------------------|----------------------|----------------------|-----------------------------|----------------|------------|
| DATE 3-5-85 | INSTRUMENT MAN K Greenfield | ROD MAN B CotCamp | PARTY NUMBER 6834 | NOTES CHECKED BY B.C.W. | LINE NO. 19 | PAGE 38 |
| AREA Georgin | TOPO MAP Penia 7 1/2 | STATE Ga | COUNTY CRISP | TWP | RANGE | PPM |
| | | | | PARTY MANAGER W. CASSIDY | | |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | | EAST + WEST - | | COORDINATES | | REMARKS |
|-------------|----------------|-------------------|-----------------------------|------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|------|---------------|---------|-------------|-------------------------|---------|
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | | |
| | | | | | | | | | 408.2 | | | | | | | | | |
| 535 | 868 | | 003° 40' | -1.8 | 7.6 | 9130 | -22.7 | -30.3 | | 377.9 | | +868 | +28 | 726,494 | 645,386 | | | |
| 536 | 538 | | - - | -- | 12.1 | 9040 | -6.3 | -18.4 | | 389.8 | | +538 | +18 | 726,164 | 645,376 | | | |
| 537 | 208 | | - - | -- | 7.4 | - | - | -7.4 | | 400.8 | | +208 | +7 | 725,834 | 645,365 | | | |
| π | 0 | | | | 5.1 | - | - | -5.1 | | 403.1 | π | 0 | 0 | 725,626 | 645,358 | | | |
| 538 | 123 | | 183° 06' | -1.8 | 7.6 | - | - | -7.6 | | 400.6 | | -123 | -3 | 725,503 | 645,355 | | | |
| 539 | 453 | | - - | -- | 8.5 | - | - | -8.5 | | 399.9 | | -453 | -10 | 725,173 | 645,348 | | | |
| 540 | 783 | | - - | -- | 6.0 | 8950 | +2.3 | -3.7 | | 404.5 | | -783 | -18 | 724,843 | 645,340 | | | |
| 541 | 1113 | | 182° 36' 27" | -- | 13.0 | - | - | -13.0 | -12.9 | 395.3 | TP | -1113 | -16 | 724,512 | 645,342 | | | |
| 541 | 1113 | | | | 12.8 | 270° | - | -12.9 | -12.9 | 395.3 | TP | -1 | - | | | | | |
| | 2638 | | 002° 50' 27" | -2.0 | +3.7 | - | - | +3.7 | 399.0 | | BS | -2638 | -39 | | | | | |
| | 2638 | | | | +3.6 | 270° | - | +3.6 | | | BS | -1 | - | | | | | |
| 542 | 2310 | | 2° 50' | -- | 9.8 | 9010 | -6.7 | -16.5 | | 382.5 | | +2310 | +34 | 724,183 | 645,337 | | | |
| 543 | 1980 | | - - | -- | 9.8 | 9020 | -11.5 | -21.3 | | 377.7 | | +1980 | +29 | 723,853 | 645,332 | | | |
| π | 1971 | | 002° 45' 48" | -2.0 | 9.7 | 9020 | -11.5 | -21.2 | | 377.8 | π | +1971 | +26 | 723,844 | 645,329 | 11 | 3-723,830 x 645,335 | |
| 544 | 1650 | | 2° 50' | -- | 12.2 | 9030 | -14.4 | -26.6 | | 372.4 | | +1650 | +24 | 723,523 | 645,327 | π | 4-way into 1. el. 378.0 | |
| 545 | 1320 | | - - | -- | 8.2 | 9120 | -30.7 | -38.9 | | 360.1 | | +1320 | +19 | 723,193 | 645,322 | | | |
| 546 | 990 | | - - | -- | 12.2 | 9120 | -23.0 | -35.2 | | 363.8 | | +990 | +14 | 722,863 | 645,317 | | | |
| 547 | 660 | | - - | -- | 10.6 | 9120 | -15.4 | -26.0 | | 373.0 | | +660 | +10 | 722,533 | 645,313 | | | |
| 548 | 330 | | - - | -- | 11.3 | - | - | -11.3 | | 387.7 | | +330 | +5 | 722,203 | 645,308 | | | |
| 549 | 0 | | | | 5.1 | - | - | -5.1 | | 393.9 | π | 0 | 0 | 721,873 | 645,303 | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | |
|-----------------|--------------------------------|-----------------------|----------------------|-----------------------------|----------------|------------|
| DATE 2-5-85 | INSTRUMENT MAN K Greenfield | ROD MAN B. Cotcamp | PARTY NUMBER 6834 | NOTES CHECKED BY B.C. W | LINE NO. 19 | PAGE 39 |
| AREA Georgia | TOPO MAP PENIA - 7 1/2' | STATE Ga | COUNTY CRISP | TWP | RANGE | PPM |
| | | | | PARTY MANAGER W. Cassidy | | |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | | EAST + WEST - | | COORDINATES | | REMARKS |
|-------------|--------------------|-------------------|-----------------------------|-----|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|------|---------------|---------|-------------|--|---------|
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | | |
| | | | | | | | | | 399.0 | | | | | | | | | |
| 550 | 330 | | 182 54 | -20 | 7.4 | - | | -7.4 | | 391.6 | | -330 | -5 | 721,543 | 645,298 | | | |
| 551 | 660 | | 182 54 | -- | 10.6 | 9050 | -9.6 | -20.2 | | 398.8 | | -660 | -10 | 721,213 | 645,293 | | | |
| 552 | 990 | | - - | -- | 10.3 | 9110 | -20.2 | -30.5 | | 368.5 | | -990 | -16 | 720,883 | 645,287 | | | |
| 553 | 1320 | | - - | -- | 6.4 | 9030 | -11.5 | -17.9 | | 381.1 | | -1320 | -21 | 720,553 | 645,282 | | | |
| 554 | 1650 | | - - | -- | 9.2 | 8940 | +9.6 | +0.4 | | 399.4 | | -1650 | -26 | 720,223 | 645,277 | | | |
| 555 | 1979 | | 182 26 30 | -- | 12.2 | 8950 | +5.8 | -6.4 | | | TP | -1979 | -15 | 719,893 | 645,288 | | | |
| 555 | 1979 | | | | 12.1 | 27010 | +5.8 | -6.3 | | 392.7 | TP | -1 | | | | | | |
| | 714 | | 003 45 33 | -20 | +1.6 | 8730 | -31.1 | -29.5 | 363.2 | | BS | -713 | -22 | | | | | |
| | 714 | | | | +1.4 | 27230 | -31.1 | -29.5 | | | BS | -1 | | | | | | |
| 556 | 384 384 | | 3 - | -- | 7.5 | 8650 | +21.2 | +13.7 | | 376.9 | | +384 | +7 | 719,563 | 645,273 | | | |
| 557 | 56 | | 347 33 | -- | 6.9 | 8650 | +3.1 | -3.8 | | 359.4 | | +54 | -14 | 719,233 | 645,252 | | | |
| π | 0 | | | | 5.1 | - | | -5.1 | | 358.1 | π | 0 | 0 | 719,179 | 645,266 | | | |
| 558 | 283 | | 209 26 | -20 | 7.6 | 8810 | +9.1 | +1.5 | | 364.7 | | -251 | -130 | 718,928 | 645,136 | | | |
| 559 | 613 | | - - | -- | 7.9 | 87.40 | +24.9 | +17.0 | | 380.2 | | -544 | -282 | 718,635 | 644,984 | | | |
| 560 | 943 | | - - | -- | 6.0 | 8810 | +30.2 | +24.2 | | 387.4 | | -837 | -434 | 718,342 | 644,832 | | | |
| 561 | 1273 | | 209 31 24 | -- | 8.0 | 8820 | +37.0 | +29.0 | | | TP | -1128 | -588 | 718,050 | 644,678 | | | |
| 561 | 1273 | | | | 7.9 | 27140 | +37.0 | +29.1 | | 392.3 | TP | -1 | | | | | | |
| | 1510 | | 0 52 36 | -20 | +9.0 | 9130 | +39.5 | +48.5 | 440.8 | | BS | -1509 | +30 | | | | | |
| | 1510 | | | | +8.9 | 26830 | +39.5 | +48.4 | | | BS | -1 | | | | | | |
| 562 | 12 35 | | 358 55 | -- | 9.8 | 9140 | -35.9 | -45.7 | | 395.1 | | +1233 | -66 | 717,773 | 644,642 | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|----------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|----------|-------------------------|-----------------------|---------------|---------|
| 3-5-85 | | K Greenfield | | B. Cotcamp | | 6834 | | B.C.W | | 19 | | 40 | | | |
| AREA | | TORO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Georgia | | PENNA-7 1/2 | | GA | | CRISP | | | | | | | | W. CASSIDY | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 440.8 | | | | | | |
| 563 | 906 | | 000 07 | -2.0 | 9.9 | 92°- | -31.6 | -41.5 | | 399.3 | | +906 | -30 | 717,446 | 644,678 |
| 564 | 578 | | 358 17 | -- | 10.6 | 92° | -20.2 | -30.8 | | 410.0 | | +577 | -37 | 717,117 | 644,671 |
| 565 | 253 | | 349 20 | -- | 12.0 | - | | -12.0 | | 428.8 | | +247 | -55 | 716,787 | 644,653 |
| III | 92 | | 329 33 | -- | 5.1 | - | | -5.1 | | 435.7 | | +78 | -49 | 716,618 | 644,659 |
| IV | 0 | | | | 5.1 | - | | -5.1 | | 435.7 | TP | 0 | 0 | 716,540 | 644,708 |
| 566 | 102 | | 216 46 | -2.0 | 5.8 | - | | -5.8 | | 435.0 | | -84 | -58 | 716,456 | 644,650 |
| 567 | 418 | | 19088 | -- | 8.0 | - | | -8.0 | | 432.8 | | -413 | -65 | 716,127 | 644,643 |
| 568 | 735 | | 185 15 | -- | 12.4 | - | | -12.4 | | 428.4 | | -734 | -42 | 715,806 | 644,666 |
| 569 | 1039 | | 190 30 | -- | 10.9 | 9050 | -15.1 | -26.0 | | 414.8 | | -1031 | +99 | 715,509 | 644,807 |
| TP | 1131 | | 173 3703 | -1.8 | 14. | 9050 | -16.4 | -30.4 | | | TP | -1119 | +161 | 715,420 | 644,869 |
| TP | 1131 | | | | 13.9 | 26910 | -16.4 | -30.3 | | 410.5 | TP | - | - | | |
| | 1522 | | 349 3330 | -- | +5.8 | - | | +5.8 | 416.3 | | BS | -1487 | +323 | | |
| | 1522 | | | | +5.7 | 270° | | +5.7 | | | BS | - | - | | |
| 570 | 1304 | | 351 20 | -1.8 | 10.8 | - | | -10.8 | | 405.5 | | +1282 | -237 | 715,214 | 644,955 |
| 571 | 982 | | 355 01 | -- | 9.0 | BH | -4.9 | -13.9 | | 402.4 | | +975 | -116 | 714,907 | 645,076 |
| 572 | 659 | | 000 27 | -- | 12.7 | - | | -12.7 | | 403.6 | | +659 | -16 | 714,591 | 645,176 |
| 573 | 330 | | - | -- | 7.1 | - | | -7.1 | | 409.2 | | +330 | -8 | 714,262 | 645,184 |
| 574 | 0 | | 000 27 | | 5.1 | - | | -5.1 | | 411.2 | TP | 0 | 0 | 713,932 | 645,192 |
| 575 | 330 | | 182 22 | -1.8 | 6.0 | - | | -6.0 | | 410.3 | | -330 | -3 | 713,602 | 645,189 |
| 576 | 660 | | - | -- | 5.1 | - | | -5.1 | | 411.2 | | -660 | -7 | 713,272 | 645,185 |

*-716,610 x-644,650
P.R. TRACKS

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|----------------------|--------------------|---------------|---------|
| 3-5-85 | | K Greenfield | | B. Cotcamp | | 6834 | | 66 | | 19 | | 41 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Georgia | | PENNA - 7 1/2' | | GA | | CRISP | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS & TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 416.3 | | | | | | |
| 577 | 990 | | 182° 22' | -1.8° | 5.2 | TH | +5.0 | -0.2 | | 416.1 | | -990 | -10 | 712,942 | 645,182 |
| 578 | 1320 | | | - | 9.2 | 89° 20' | +15.4 | +6.2 | | 422.5 | | -1320 | -13 | 712,612 | 645,179 |
| 579 | 1650 | | | - | 10.5 | 89° 10' | +24.0 | +13.5 | | 429.8 | | -1650 | -16 | 712,282 | 645,176 |
| 580 | 1980 | | 182° 22' 33" | - | 14.6 | 89° 20' | +23.0 | +8.4 | | | TP | -1980 | -20 | 711,952 | 645,172 |
| 580 | 1980 | | | | 14.8 | 270° 40' | +23.0 | +8.2 | +8.3 | 424.6 | TP | | | | |
| | 2970 | | 003° 07' 18" | -1.8° | +4.5 | 89° 20' | -34.5 | -30.0 | 394.6 | | BS | -2969 | -69 | | |
| | 2970 | | | | +4.4 | 270° 40' | -34.5 | -30.1 | | | BS | | | | |
| 581 | 2640 | | 002° 58' | - | 8.9 | 89° 20' | +30.7 | +21.9 | | 416.4 | | +2639 | +54 | 711,622 | 645,157 |
| 582 | 2310 | | - | - | 8.3 | 89° 30' | +20.2 | +11.9 | | 406.5 | | +2310 | +159 | 711,293 | 645,156 |
| 583 | 1980 | | - | - | 11.6 | 89° 30' | +19.3 | +5.7 | | 400.3 | | +1980 | +40 | 710,963 | 645,143 |
| 584 | 1650 | | - | - | 7.2 | 89° 40' | +9.6 | +2.4 | | 397.0 | | +1650 | +34 | 710,633 | 645,137 |
| 585 | 1320 | | - | - | 7.1 | 89° 40' | +9.7 | +0.6 | | 395.2 | | +1320 | +27 | 710,303 | 645,130 |
| 586 | 990 | | - | - | 5.9 | 89° 40' | +5.8 | -0.1 | | 394.5 | | +990 | +20 | 709,973 | 645,123 |
| 587 | 660 | | - | -1.8° | 6.6 | 89° 40' | +3.8 | -2.8 | | 391.8 | | +660 | +13 | 709,643 | 645,116 |
| 7H | 586 | | 004° 05' 24" | - | 5.6 | 89° 40' | +3.4 | -2.2 | | 392.4 | 7H | +586 | +23 | 709,569 | 645,126 |
| 11- | 453 | | 004° 38' 27" | - | 6.0 | 89° 40' | +2.6 | -3.4 | | 391.2 | 11- | +452 | +22 | 709,435 | 645,125 |
| 588 | 330 | | 2° 58' | - | 6.9 | 89° 40' | +1.9 | -5.0 | | 389.4 | | +330 | +9 | 709,313 | 645,110 |
| 589 | 0 | | | | 5.1 | - | | -5.1 | | 389.5 | π | 0 | 0 | 708,993 | 645,103 |
| 590 | 330 | | 183° 17' | -1.8° | 7.2 | 89° 40' | +1.9 | -5.3 | | 389.3 | | -330 | -9 | 708,653 | 645,094 |
| 591 | 660 | | | - | 11.6 | 89° 50' | +1.9 | -9.7 | | 389.9 | | -660 | -17 | 708,323 | 645,086 |

4-709550 X-645,110
 4-way inter.
 9709,430 X-645,110
 11- Fence line EL. 392.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | JOB NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|---------|
| 3-5-85 | | K. Greenfield | | B. Catcamp | | 6834 | | B.C. W | | 19 | | 42 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Georgia | | Penit - 7 1/2' | | Ga | | Chisp | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 394.6 | | | | | | |
| 592 | 990 | | 183 17' | -1.8° | 12.3 | - | | -12.3 | | 382.3 | | -990 | -26 | 707,993 | 645,077 |
| 593 | 1320 | | - | -- | 12.5 | - | | -12.7 | | 381.9 | | -1320 | -34 | 707,663 | 645,069 |
| 594 | 1650 | | - | -- | 6.5 | - | | -6.5 | | 388.1 | | -1649 | -43 | 707,334 | 645,060 |
| 595 | 1980 | | - | -- | 11.0 | TH | +9.9 | -1.1 | | 393.5 | | -1979 | -51 | 707,004 | 645,052 |
| 596 | 2310 | | - | -- | 12.1 | TH | +11.6 | -0.5 | | 394.1 | | -2309 | -60 | 706,674 | 645,043 |
| + | 2372 | | 183 27 45 | -1.8° | | | | | | | 1. | -2371 | -69 | 706,612 | 645,034 |
| 597 | 2642 | | 184 08 24 | -2.0° | 6.9 | 8950 | +7.7 | +0.8 | | 395.4 | TP | -2640 | -99 | 706,343 | 645,004 |
| 597 | 2642 | | | | 6.8 | 29010 | +7.7 | +0.9 | | | TP | | | | |
| | 1810 | | 0 33 19'06" | -- | +8.8 | 9150 | +57.9 | +66.7 | 462.1 | | BS | -1546 | -939 | | |
| | 1810 | | | | +8.9 | 26810 | +57.9 | +66.8 | | | BS | | | | |
| 598 | 1481 | | 0 34 47 | -- | 13.1 | 9150 | -47.4 | -60.5 | | 401.6 | | +1245 | +802 | 706,042 | 644,867 |
| 599 | 1155 | | 0 36 47 | -- | 10.9 | 92° | -40.3 | -51.2 | | 410.9 | | +949 | +659 | 705,746 | 644,724 |
| 600 | 825 | | 0 37 25 | -- | 11.4 | 92° | -28.8 | -40.2 | | 421.9 | | +672 | +478 | 705,469 | 644,543 |
| 601 | 500 | | 0 33 12' | -- | 7.7 | 92° | -17.4 | -25.1 | | 437.0 | | +428 | +259 | 705,225 | 644,324 |
| 602 | 174 | | 0 23 48 | -- | 8.5 | - | | -8.5 | | 453.6 | | +162 | +65 | 704,959 | 644,130 |
| π | 0 | | | | 5.1 | - | | -5.1 | | 457.0 | π | 0 | 0 | 704,797 | 644,065 |
| 603 | 156 | | 193 49 | -2.0° | 6.0 | - | | -6.0 | | 456.1 | | -153 | -32 | 704,644 | 644,033 |
| 604 | 486 | | - | -- | 11.3 | - | | -11.3 | | 450.8 | | -476 | -100 | 704,321 | 643,965 |
| 605 | 816 | | - | -- | 5.8 | 91° | -14.2 | -20.0 | | 442.1 | | -799 | -167 | 703,998 | 643,898 |
| 606 | 1145 | | 172 04' | - | 5.6 | 91° | -20.0 | -25.6 | | 436.5 | | -1127 | -200 | 703,670 | 643,865 |

706,575 x - 645,045
T - Inter

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | | | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|------|---------------|---------|-------------|--|------------------------------------|--|
| 3-5-85 | | K. Greenfield | | B. Cotcamp | | 6834 | | BCV | | 19 | 43 | | | | | | | | |
| AREA | | TOPO MAP | | STATE | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | | | | | | |
| Georgia | | Penia 7 1/2 | | GA | CRISP | | | | | W. Cassidy | | | | | | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | | EAST + WEST - | | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | | | |
| | | | | | | | | | 462.1 | | | | | | | | | | |
| #1 | 12 91 | | 191 28' 51" | -20 | 5.0 | 91° 2 | -22.5 | -27.5 | | 434.6 | BS | -1273 | -213 | 703,524 | 643,852 | | | 4-703,515 X-643,835 # FENCELINE | |
| 607 | 14 75 | | 191 29 | -- | 8.6 | 90 50 | -21.4 | -30.0 | | 432.1 | | -1455 | -243 | 703,342 | 643,822 | | | | |
| 608 | 18 05 | | - | -- | 5.7 | 90 50 | -26.2 | -31.9 | | 430.2 | | -1780 | -297 | 703,017 | 643,768 | | | | |
| 609 | 21 35 | | 191 22' | -- | 9.0 | 90 40 | -24.8 | -33.8 | | 428.3 | | -2107 | -347 | 702,690 | 643,718 | | | | |
| TP | 22 71 | | 191 15' 27" | -- | 9.9 | 90 40 | -26.4 | -36.3 | | | TP | -2241 | -365 | 702,556 | 643,700 | | | | |
| TP | 22 71 | | | | 9.8 | 269 20 | -26.4 | -36.2 | | 425.9 | TP | | | | | | | | |
| | 10 41 | | 019 44 18 | -20 | 4.8 | 90 | | +4.8 | 430.7 | | BS | -992 | -317 | | | | | | |
| | 10 41 | | | | 4.7 | 270° | | +4.7 | | | BS | | | | | | | | |
| 610 | 8 45 | | 019 06' | -- | 7.3 | - | | -7.3 | | 423.4 | | +808 | +248 | 702,372 | 643,631 | | | | |
| 611 | 5 15 | | - | -- | 7.5 | - | | -7.5 | | 423.2 | | +492 | +151 | 702,056 | 643,534 | | | | |
| 612 | 1 85 | | - | -- | 4.9 | - | | -4.9 | | 425.8 | | +177 | +54 | 701,741 | 643,437 | | | | |
| TP | 0 | | | -- | 5.1 | - | | -5.1 | | 425.6 | X | 0 | 0 | 701,564 | 643,383 | | | | |
| 613 | 14 5 | | 208° 01' | -20 | 6.4 | 88 50 | +3.0 | -3.4 | | 427.3 | | -130 | -64 | 701,434 | 643,319 | | | | |
| 614 | 4 75 | | - | -- | 6.6 | 88 50 | +9.7 | +3.1 | | 433.8 | | -427 | -208 | 701,137 | 643,175 | | | | |
| 615 | 8 05 | | - | -- | 11.5 | 88° 10 | +25.7 | +14.2 | | 444.9 | | -723 | -353 | 700,841 | 643,030 | | | | |
| 616 | 11 34 | | 208 01' | -- | 10.7 | 88° 10 | +36.3 | +25.6 | | 456.3 | | -1019 | -497 | 700,545 | 642,886 | | | | |
| TP | 14 02 | | 207 15 09 | -- | 11.1 | 88 40 | +32.6 | +21.5 | | | TP | -1268 | -598 | 700,296 | 642,785 | | | | |
| TP | 14 02 | | | | 11.0 | 271 20 | +32.6 | +21.6 | | 452.3 | TP | | | | | | | | |
| | 12 93 | | 014 11 | -20 | 7.8 | 89 10 | -18.8 | -11.0 | 441.2 | | BS | -1264 | -273 | | | | | | |
| | 12 93 | | | | 7.6 | 270 50 | -18.8 | -11.2 | -11.13 | | BS | | | | | | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | |
|----------------|----------------|-------------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|--|
| 3-6-85 | | B. Cotcamp | | K. Greenfield | | 6834 | | W | | #19 B.C. | 44 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | |
| G.A. | | PenA-7 1/2 | | G.A. | | CRISP | | | | | W. Cassidy | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | |
| | | | | | | | | | 441.2 | | | | | |
| 617 | 12 29 | | 013 48' | -2.0 | 8.0 | 89°10 | +17.9 | +9.9 | | 451.1 | | +1203 | +251 | 700,235 642,763 |
| 618 | 900 | | 013 01 | -- | 10.4 | 89°20 | +7.9 | -2.5 | | 438.7 | | +883 | +172 | 699,915 642,684 |
| 619 | 572 | | 010 34 | -- | 11.2 | 89°30 | +5.6 | -6.2 | | 435.0 | | +566 | +85 | 699,598 642,597 |
| 620 | 242 | | 010 10' | -- | 6.7 | 89°30 | +2.1 | -4.6 | | 436.6 | | +240 | +34 | 699,272 642,546 |
| TP | 0 | | | | 5.1 | - | | -5.1 | | 436.1 | TP | 0 | 0 | 699,032 642,512 |
| 621 | 96 | | 160 56' | -2.0 | 5.3 | 88°30 | +2.5 | -2.8 | | 438.4 | | -90 | +35 | 698,942 642,547 |
| 622 | 425 | | 161 07' | -- | 8.6 | 88°30 | +11.1 | +2.5 | | 443.7 | | -397 | +152 | 698,635 642,664 |
| 623 | 754 | | 157 36' | -- | 6.9 | 89° | +13.2 | +6.3 | | 447.5 | | -687 | +311 | 698,345 642,823 |
| 624 | 1083 | | 156 33' | -- | 9.8 | 89° | +18.9 | +9.1 | | 450.3 | | -978 | +465 | 698,054 642,977 |
| 625 | 1412 | | 156 47' | -- | 10.1 | 89° | +24.6 | +14.5 | | 455.7 | | -1277 | +602 | 697,755 643,114 |
| 626 | 1509 | | 157 12'36" | -- | 11.2 | 89° | +26.3 | +15.1 | | 456.3 | TP | -1370 | +633 | 697,662 643,145 |
| TP | 1509 | | | | 11.1 | 209° | +26.3 | +15.2 | | | TP | | | |
| | 1897 | | 023 35'15" | -2.0 | +9.8 | 90° | | +9.8 | 466.1 | | BS | -1764 | -698 | |
| | 1897 | | | | +9.7 | 270 | | +9.7 | | | BS | | | |
| 626 | 1650 | | 023 51 | -- | 10.5 | 89° | -8.3 | -18.8 | | 447.3 | | +1531 | +614 | 697,429 643,061 |
| + | 1495 | | 024 13'03" | -- | 7.8 | 90°30 | -13.1 | -20.9 | | 445.2 | + | +1384 | +565 | 697,282 643,012 44-697,295x-643,000 44-TP-TP-TP-TP |
| 627 | 1320 | | 23 51' | -- | 10.7 | 90°30 | -11.5 | -22.2 | | 443.9 | | +1225 | +491 | 697,123 642,938 |
| 628 | 990 | | - | - | 8.9 | 90°50 | -14.4 | -23.3 | | 442.8 | | +919 | +368 | 696,817 642,815 |
| 629 | 660 | | - | - | 7.5 | 90°50 | -9.6 | -17.1 | | 449.0 | | +613 | +246 | 696,511 642,693 |
| 630 | 330 | | - | - | 9.2 | - | | -9.2 | | 456.9 | | +306 | +123 | 696,204 642,570 |

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|----------|-------------------------|-----------------------|---------------|---------|
| 3-6-85 | | K. Greenfield | | B. Cotcamp | | 6834 | | K.W.G. W | | 19 | | 45 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| C.A. | | Penta-7 1/2' | | G.A. | | CRISP | | | | | | | | W. Cass, dy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 466.1 | | | | | | |
| 631 | 0 | | | | 5.1 | - | | -5.1 | | 461.0 | π | 0 | 0 | 695,898 | 642,447 |
| 632 | 330 | | 197 38 | -2.0 | 9.2 | - | | -9.2 | | 456.9 | | -318 | -89 | 695,580 | 642,358 |
| 633 | 660 | | - | - | 9.7 | 90 40 | -7.7 | -17.4 | | 448.7 | | -636 | -178 | 695,262 | 642,269 |
| 634 | 990 | | - | - | 11.0 | 90 40 | -11.5 | -22.5 | | 443.6 | | -953 | -267 | 694,945 | 642,180 |
| 635 | 1320 | | - | - | 10.3 | 90 40 | -15.4 | -25.7 | | 440.4 | | -1271 | -356 | 694,627 | 642,091 |
| 636 | 1650 | | - | - | 7.6 | 90 40 | -19.2 | -26.8 | | 439.3 | | -1589 | -445 | 694,309 | 642,002 |
| 7 | 1629 | | 197 28'51" | - | 7.7 | 70 40 | -18.9 | -26.6 | | 439.5 | + | -1570 | -435 | 694,328 | 642,012 |
| 637 | 1980 | | 197 38'48" | - | 7.0 | 90 40 | -23.0 | -30.0 | | 436.1 | | -1907 | -534 | 693,991 | 641,913 |
| 638 | 2310 | | 197 38 | -2.0 | 6.5 | 90 30 | -20.2 | -26.7 | | 439.4 | | -2225 | -623 | 693,673 | 641,824 |
| 639 | 2640 | | - | - | 12.0 | 90 10 | -7.7 | -19.7 | | 446.4 | | -2542 | -711 | 693,356 | 641,736 |
| 640 | 2970 | | 197 38'48" | - | 8.1 | 90 10 | -8.6 | -16.7 | | 449.4 | TP | -2860 | -801 | 693,038 | 641,646 |
| 640 | 2970 | | - | - | 8.0 | 269 50 | -8.6 | -16.6 | | | TP | | | | |
| | 1964 | | 0 34 25'09" | - | +10.0 | 90.08 | +4.6 | +14.6 | | 464.0 | BS | -1658 | -1053 | | |
| | 1964 | | | - | +9.9 | 269 52 | +4.6 | +14.5 | | | BS | | | | |
| 641 | 1640 | | 0 35 50 | -2.0 | 9.0 | 90 30 | -14.3 | -23.3 | | 440.7 | | +1362 | +913 | 692,742 | 641,506 |
| 642 | 1317 | | 0 33 08 | - | 11.9 | 90 40 | -15.3 | -27.2 | | 436.8 | | +1127 | +681 | 692,507 | 641,274 |
| 643 | 990 | | 0 30 16 | - | 10.4 | 90 40 | -11.5 | -21.9 | | 442.1 | | +872 | +469 | 692,252 | 641,062 |
| 644 | 660 | | - | - | 9.6 | 90.40 | -7.7 | -17.3 | | 446.7 | | +581 | +313 | 691,961 | 640,906 |
| 645 | 330 | | - | - | 8.5 | 90.40 | -3.8 | -12.3 | | 451.7 | | +291 | +156 | 691,671 | 640,749 |
| 646 | 0 | | | | 5.1 | - | | -5.1 | | 458.9 | π | 0 | 0 | 691,380 | 640,593 |

↑ - 694,340 X = 641,935
T - J, 1701 EL. 439.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | |
|-----------------|---------------------------------|-----------------------|----------------------|-------------------------|----------------|-----------------------------|
| DATE 3-6-85 | INSTRUMENT MAN K. Greenfield | ROD MAN B. Cotcamp | PARTY NUMBER 6834 | NOTES CHECKED BY KUB | LINE NO. 19 | PAGE 46 |
| AREA Georgia | TOPO MAP | STATE GA | COUNTY CRISP | TWP | RANGE | PPM |
| | | | | | | PARTY MANAGER W. Cassidy |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | | |
|-------------|----------------|-------------------|-----------------------------|------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------|---------|---|
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y | X |
| | | | | | | | | | 464.0 | | | | | | | |
| 7 | 65 | | 0 38 8'24" | -2.0 | 6.4 | - | | -6.4 | | 457.6 | + | +52 | +38 | 691,432 | 640,631 | 77-INTER. EL. 4580 |
| 647 | 330 | | 208 10 | -- | 5.0 | 89 50 | +1.0 | -4.0 | | 460.0 | - | -296 | -146 | 691,084 | 640,447 | |
| 648 | 660 | | " " | -- | 6.2 | 89 50 | +1.9 | -4.3 | | 459.7 | - | -592 | -291 | 690,989 | 640,302 | |
| 649 | 990 | | 206 29 | -- | 9.6 | 89 50 | +2.9 | -6.7 | | 457.3 | - | -901 | -410 | 690,499 | 640,183 | |
| 650 | 1320 | | " " | -- | 11.3 | - | | -11.3 | | 452.7 | - | -1201 | -547 | 690,199 | 640,046 | |
| 651 | 1650 | | 206 29 | -2.0 | 7.1 | - | | -7.1 | | 456.9 | - | -1502 | -684 | 689,878 | 639,909 | |
| 652 | 1980 | | 206 11 | -- | 11.9 | - | | -11.9 | | 452.1 | | -1806 | -811 | 689,574 | 639,782 | |
| + | 2110 | | 205 17'46" | -- | 12.0 | - | | -12.0 | | 452.0 | + | -1938 | -834 | 689,442 | 639,759 | Y-687430 X-637,800 4 way inter. EL 453.0 |
| 653 | 2307 | | 204 53 | -- | 12.6 | - | | -12.6 | | 451.4 | | -2125 | -897 | 689,255 | 639,696 | |
| 654 | 2636 | | 204 09'48" | -- | 9.2 | 98° | | -9.2 | | 454.8 | TP | -2441 | -994 | 688,939 | 639,599 | |
| 654 | 2636 | | | | 9.1 | 270 | | -9.1 | | | TP | | | | | |
| | 2283 | | 11 37 54 | -2.0 | 7.3 | 89 24 | -23.9 | -16.6 | | 438.4 | BS | -2251 | -382 | | | |
| | 2283 | | | | +7.6 | 270 36 | -23.9 | -16.3 | | 164.3 | BS | | | | | |
| 655 | 1953 | | 11 35 | -- | 7.6 | 89 24 | +20.4 | +12.8 | | 451.2 | | +1926 | +325 | 688,614 | 639,542 | |
| 656 | 1626 | | 13 - | -- | 5.4 | 74 | +8.1 | +2.7 | | 441.1 | | +1596 | +310 | 688,284 | 639,527 | |
| 657 | 1298 | | 14 25 | -- | 11.0 | 74 | +6.5 | -4.5 | | 433.9 | | +1268 | +279 | 687,956 | 639,496 | |
| 658 | 970 | | 16 15 | -2.0 | 9.0 | - | | -9.0 | | 429.4 | | +940 | +239 | 687,628 | 639,456 | |
| 659 | 641 | | 15 15 | -- | 9.0 | - | | -9.0 | | 429.4 | | +624 | +147 | 687,312 | 639,364 | |
| 660 | 313 | | 11 05 | -- | 5.2 | - | | -5.2 | | 433.2 | | +309 | +49 | 686,977 | 639,266 | |
| π | 0 | | | | 5.1 | - | | -5.1 | | 433.3 | π | 0 | 0 | 686,688 | 639,217 | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|-----------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|---------|
| 3-6-85 | | K. Greenfield | | B. Cotnam | | 6834 | | HUG | | 19 | | 47 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| G.A. | | Pen. A-7 1/2 | | G.A. | | CRISP | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS A TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 438.4 | | | | | | |
| 661 | 52 | | 266 40 | -2.0 | 10.1 | - | | -10.1 | | 428.3 | | -5 | -52 | 686,683 | 639,165 |
| 662 | 354 | | 206 45 | -- | 11.9 | 91 40 | -10.3 | -22.2 | | 416.2 | | -321 | -148 | 686,367 | 639,069 |
| 663 | 682 | | 203 15 | -- | 11.1 | 91 40 | -19.8 | -30.9 | | 407.5 | | -636 | -247 | 686,052 | 638,970 |
| 664 | 1010 | | 204 50 | -- | 5.0 | 91 40 | -29.4 | -34.4 | | 404.0 | | -931 | -392 | 685,757 | 638,825 |
| 665 | 1338 | | 206 05 | -- | 10.9 | 91 - | -23.3 | -34.2 | | 404.2 | | -1222 | -546 | 685,466 | 638,671 |
| 666 | 1668 | | 206 25 | -- | 9.2 | 90 40 | -19.4 | -28.6 | | 409.8 | | -1519 | -690 | 685,169 | 638,527 |
| 667 | 2000 | | 206 19 49 | -- | 5.0 | 90 30 | -17.5 | -22.5 | | 415.8 | TP | -1822 | -824 | 684,866 | 638,392 |
| 667 | 2000 | | | | 5.3 | 269 30 | -17.5 | -22.8 | -22.8 | | TP | | - | | |
| | 1318 | | 29 01 10 | -2.0 | +5.2 | 89 - | -23.0 | -17.8 | 398.1 | | BS | -1174 | -599 | | |
| | 1318 | | | | +5.3 | 271 - | -23.0 | -17.7 | | | BS | | - | | |
| 668 | 988 | | 29 - | -- | 6.3 | 88 40 | +23.0 | +16.7 | | 414.8 | | +880 | +449 | 684,572 | 638,241 |
| 669 | 658 | | | -- | 8.6 | 88 40 | +15.3 | +6.7 | | 404.8 | | +586 | +299 | 684,278 | 638,091 |
| 670 | 329 | | | -- | 11.2 | 88 40 | +7.7 | -3.5 | | 394.6 | IF | +293 | +149 | 683,985 | 637,941 |
| IF | 251 | | 33 53 11 | -- | 5.6 | 89 50 | +0.7 | -4.9 | | 393.2 | IF | +213 | +133 | 683,905 | 637,925 |
| 671 | 0 | | | | 5.1 | - | | -5.1 | | 393.0 | TP | 0 | 0 | 683,692 | 637,792 |
| 672 | 330 | | 220 30 | -2.0 | 7.5 | 88 30 | +8.6 | +1.1 | | 399.2 | | -258 | -205 | 683,434 | 637,587 |
| 673 | 660 | | | -- | 4.9 | 88 30 | +17.3 | +12.4 | | 410.5 | | -517 | -411 | 683,175 | 637,381 |
| 674 | 989 | | 219 - | -- | 9.6 | 88 30 | +25.9 | +16.3 | | 414.4 | | -790 | -595 | 682,902 | 637,197 |
| 675 | 1316 | | 216 56 16 | -- | 14.3 | 88 30 | +32.1 | +17.8 | | 415.9 | TP | -1079 | -753 | 682,613 | 637,038 |
| 675 | 1316 | | | | 14.4 | 271 24 | +32.1 | +17.7 | | | TP | | - | | |

IF -683,900 X -637,930
T-Inter. E.L. 393.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-----------------|---|
| 3.7.85 | | B. Cotcamp | | K. Greenfield | | 6834 | | KWC | | 19 | | 48 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| GEORGIA | | ARABI-7 1/2' | | C.A. | | CRISP | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | | 415.9 | | | | | |
| | 942 | | 0 08 27 | -20 | +9.9 | - | | +9.9 | 425.8 | | BS | -942 | +31 | | |
| | 942 | | | | +5.3 | BH 270 | +4.7 | +10.0 | | BS | | | -1 | | |
| 676 | 659 | | 350 - | -- | 5.0 | - | | -5.0 | | 420.8 | | +645 | -137 | 682,316 636,931 | |
| 677 | 330 | | 347 - | -- | 16.2 | - | | -10.2 | | 415.6 | | +319 | -85 | 681,990 636,983 | |
| 678 | 0 | | | | 5.1 | - | | -5.1 | | 420.7 | TP | 0 | 0 | 681,671 637,068 | |
| 679 | 330 | | 164 55' | -20 | 7.7 | 89 - | +5.8 | -1.9 | | 423.9 | | -315 | +97 | 681,356 637,165 | |
| 680 | 660 | | - | -- | 10.1 | 89 - | +11.5 | +1.4 | | 427.2 | | -631 | +194 | 681,040 637,262 | |
| 681 | 990 | | - | -- | 7.6 | 89 20 | +11.5 | +3.9 | | 429.7 | | -946 | +291 | 680,725 637,359 | |
| 682 | 1320 | | - | -- | 11.9 | 89 20 | +15.4 | +3.5 | | 429.3 | | -1262 | +388 | 680,409 637,456 | |
| 683 | 1650 | | 164 55' | -- | 10.6 | 89 40 | +9.6 | -1.0 | | 424.8 | | -1577 | +485 | 680,094 637,553 | |
| TP | 1833 | | 164 57 14 | -- | 14.8 | 89 40 | +16.7 | -4.1 | 421.6 | | TP | -1752 | +537 | 679,919 637,604 | |
| TP | 1833 | | | | 14.9 | 270 20 | +10.7 | -4.2 | | TP | | | -1 | | |
| | 697 | | 308 53 24 | -20 | +9.1 | 88 - | -24.3 | -15.2 | 406.4 | | BS | -418 | +557 | | |
| | 697 | | | | 9.2 | 272 - | -24.3 | -15.1 | | BS | | | -1 | | |
| 684 | 584 | | 300 30' | -- | 7.8 | 88 - | +20.4 | +12.6 | | 419.0 | | +279 | -513 | 679,780 637,647 | |
| 685 | 326 | | 275 40' | -- | 9.6 | 87 - | +17.0 | +7.4 | | 413.8 | | +21 | -325 | 679,522 637,835 | |
| 686 | 0 | | | | 5.1 | - | | -5.1 | | 401.3 | TP | 0 | 0 | 679,501 638,160 | |
| 687 | 330 | | 91 40' | -- | 7.8 | 92 - | -11.5 | -19.3 | | 387.1 | | +2 | +330 | 679,503 638,490 | |
| 688 | 660 | | - | -- | 6.6 | 92 - | -23.0 | -29.6 | | 376.8 | | +4 | +660 | 679,505 638,820 | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | | | | | |
|-------------|----------------|-------------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|----------------|------|---------------|---------|---|--|---------|--|
| 3.7.85 | | B. Cotcamp | | K. Greenfield | | 6834 | | Kwak | | 19 | | 49 | | | | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | | | | | |
| GEORGIA | | ARABI-7 1/2' | | G.A. | | CRISP | | | | | | | | W. Cassidy | | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH+ SOUTH - | | EAST+ WEST - | | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | | | |
| | | | | | | | | | 406.4 | | | | | | | | | | |
| 1 1/2 | 867 | | 91° 32' 26" | -2.0 | 2.3 | 92° - | -30.2 | -32.5 | 380.5 | 373.9 | TP | +7 | +866 | 679,508 | 639,025 | 1 1/2 - 679,500 x - 639,030 - inter. el. 374.0 | | | |
| 1 1/2 | 867 | | | | 12.4 | 91° 20' | -20.2 | -32.6 | | TP | | | -1 | | | | | | |
| | 1485 | | 2° 33' 54" | -- | +6.6 | - | | +6.6 | | BS | | -1485 | -15 | | | | | | |
| | 1485 | | | | +6.7 | 270° - | | +6.7 | | BS | | | -1 | | | | | | |
| 689 | 1319 | | 2° 22' | -2.0 | 7.3 | - | | -7.3 | | 373.2 | | +1319 | +8 | 679,342 | 639,017 | | | | |
| 690 | 996 | | - - | -- | 8.1 | TH | +5.0 | -3.1 | | 377.4 | | +990 | +6 | 679,013 | 639,015 | | | | |
| 691 | 660 | | - - | -- | 5.0 | - | | -5.0 | | 375.5 | | +660 | +4 | 678,693 | 639,013 | | | | |
| 692 | 330 | | - - | -- | 5.8 | - | | -5.8 | | 374.7 | | +330 | +2 | 678,353 | 639,011 | | | | |
| 693 | 0 | | | | 5.1 | - | | -5.1 | | 375.4 | X | 0 | 0 | 678,023 | 639,009 | | | | |
| 694 | 330 | | 183° - | -2.0 | 8.3 | - | | -8.3 | | 372.2 | | -330 | -6 | 677,693 | 639,003 | | | | |
| 695 | 660 | | - - | -- | 11.1 | - | | -11.1 | | 369.4 | | -660 | -12 | 677,363 | 638,997 | | | | |
| 696 | 990 | | - - | -- | 11.6 | - | | -11.6 | | 368.9 | | -990 | -17 | 677,033 | 638,992 | | | | |
| 697 | 1320 | | - - | -- | 7.7 | - | | -7.7 | | 372.8 | | -1320 | -23 | 676,703 | 638,986 | | | | |
| 698 | 1650 | | 183° 15' | -- | 5.8 | TH | +8.3 | +2.5 | | 383.0 | | -1650 | -36 | 676,373 | 638,973 | | | | |
| 699 | 1980 | | 183° 24' | -- | 7.0 | 89° 50' | +5.8 | -1.2 | | 379.3 | | -1979 | -48 | 676,044 | 638,961 | | | | |
| 700 | 2310 | | - - | -- | 9.7 | 89° 50' | +6.7 | -3.0 | | 377.5 | | -2309 | -56 | 675,714 | 638,953 | | | | |
| TP | 2375 | | 183° 07' 50" | -- | 10.8 | 89° 50' | +6.9 | -3.9 | 374.1 | | TP | -2375 | -47 | 675,648 | 638,961 | | | | |
| TP | 2375 | | | | 10.9 | 270° 10' | +6.9 | -4.0 | | TP | | | -1 | | | | | | |
| | 605 | | 336° 56' 32" | -2.0 | 8.2 | 89° - | -10.6 | -2.4 | 374.1 | | BS | -548 | +256 | | | | | | |
| | 605 | | | | +6.4 | 89° 10' | -8.8 | -2.4 | | BS | | | -1 | | | | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|----------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|----------|-------------------------|-----------------------|---------------|---------|
| 3.7.85 | | B. Cotcamp | | K. Greenfield | | 6834 | | KGA ✓ | | 19 | | 50 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| GEORGIA | | ARABI-7 1/2' | | G.A. | | CRISP | | | | | | | | W. Cass, dy | |
| STATION NO. | SLOPE DISTANCE | PLOT DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 374.1 | | | | | | |
| 701 | 356 | | 326° 05' | -2.0 | 5.9 | 89° - | +6.2 | +0.3 | | 374.4 | | +288 | -209 | 675,388 | 639,007 |
| 702 | 31 | | 297° 02' | -- | 4.9 | 89° - | +0.5 | -4.4 | | 369.7 | | +13 | -28 | 675,113 | 639,188 |
| TP | 0 | | | | 5.1 | - | | -5.1 | | 369.0 | TP | 0 | 0 | 675,100 | 639,216 |
| 703 | 304 | | 149° 02' | -2.0 | 6.1 | - | | -6.1 | | 368.0 | | -255 | +165 | 674,845 | 639,381 |
| 704 | 634 | | 148° 30' | -- | 8.0 | - | | -8.0 | | 366.1 | | -529 | +350 | 674,571 | 639,566 |
| 705 | 963 | | 149° 20' | -- | 10.3 | - | | -10.3 | | 363.8 | | -811 | +520 | 674,289 | 639,736 |
| 706 | 1293 | | 149° 35' | -- | 8.7 | - | | -8.7 | | 365.4 | | -1092 | +693 | 674,008 | 639,909 |
| 707 | 1623 | | - | -- | 4.9 | - | | -4.9 | | 369.2 | | -1370 | +870 | 673,730 | 640,086 |
| TP | 1805 | | 149° 19' 48" | -- | 1.2 | - | | -1.2 | | | TP | -1519 | +974 | 673,581 | 640,189 |
| TP | 1805 | | | | 1.3 | 270° - | | -1.3 | | 372.8 | TP | | -1 | | |
| | 1212 | | 83° 13' 10" | -2.0 | +12.9 | 91° 30' | +31.7 | +44.6 | | | BS | -185 | -1197 | | |
| | 1212 | | | | +12.8 | 268° 30' | +31.7 | +44.5 | 417.3 | | BS | | -1 | | |
| TP | 184 | | 4° 46' 42" | -- | 5.3 | 88° 40' | +4.3 | -1.0 | | 416.3 | TP | +184 | +9 | 673,580 | 639,000 |
| 708 | 0 | | | | 5.1 | - | | -5.1 | | 412.2 | TP | 0 | 0 | 673,396 | 638,991 |
| 709 | 330 | | 182° 05' | -- | 5.0 | 89° 50' | +1.0 | -4.0 | | 413.3 | | -330 | ±0 | 673,066 | 638,991 |
| 710 | 660 | | - | -- | 7.0 | 89° 50' | +1.9 | -5.1 | | 412.2 | | -660 | -1 | 672,736 | 638,990 |
| 711 | 990 | | - | -- | 12.9 | 89° 50' | +2.9 | -10.0 | | 407.3 | | -990 | -1 | 672,406 | 638,990 |
| 712 | 1320 | | 182° 10' 55" | -- | 11.3 | 89° 20' | -7.7 | -19.0 | | 398.3 | TP | -1320 | -4 | 672,076 | 638,987 |
| 712 | 1320 | | " | -- | 11.2 | 269° 40' | -7.7 | -18.9 | | | TP | | | | |

Y=673,570 X=640,210
TP T-Inter.

NOTE - offset west between 707 & 708

Y=673,580 X=639,000
TP T-Inter. El. 416.0

Horiz. y - 8, corr. x - 12

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------------------------|---|
| 3-7-85 | | B. C. Camp | | K. Greenfield | | 6834 | | K. D. G. W. | | 19 | | 51 | | | |
| AREA | | TOPOG. MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| GEORGIA | | ARAB-7 1/2 | | G.A. | | CRISP | | | | | | | | W. Cassidy | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | | 398.3 | | | | | |
| | 990 | | 1° 46' 48" | -2.0 | 9.4 | 88° - | -34.5 | -25.1 | 373.1 | | BS | -989 | +4 | | |
| | 990 | | | | +6.4 | 88° 10' | -31.7 | -25.3 | | BS | | | | | |
| 713 | 660 | | 1° 47' | -- | 7.2 | 88° 10' | +21.1 | +13.9 | | 387.0 | | +660 | -3 | 671,747 638,958 | |
| 714 | 330 | | - - | -- | 10.8 | 88° 10' | +10.6 | -0.2 | | 372.9 | | +330 | -1 | 671,417 638,990 | |
| 715 | 0 | | | | 5.1 | - | | -5.1 | | 368.0 | TP | 0 | 0 | 671,087 638,991 | |
| 716 | 287 | | 224 42 | -2.0 | 8.4 | 88° 10' | +9.2 | +0.8 | | 373.9 | | -211 | -195 | 670,976 638,796 | |
| 717 | 607 | | 235 20 | -- | 10.0 | 88° 10' | +19.4 | +9.4 | | 382.5 | | -362 | -487 | 670,725 638,504 | |
| TP | 856 | | 229 24 22 | -- | 5.6 | 88° 30' | +22.4 | +16.8 | | | TP | -579 | -630 | 670,508 638,361 | |
| TP | 856 | | | | 5.7 | 87° 30' | +22.4 | +16.7 | | 389.8 | TP | | | | |
| | 1385 | | 27 40 18 | -2.0 | 1.0 | TH | -6.9 | -5.9 | 383.8 | | BS | -1248 | -600 | | |
| | 1385 | | | | +0.9 | TH 2nd | -6.9 | -6.0 | | BS | | | | | |
| 718 | 1320 | | 27 30' | -- | 6.2 | 89° 30' | +11.5 | +5.3 | | 389.1 | | +1191 | +568 | 670,451 638,329 | |
| 719 | 990 | | - - | -- | 9.0 | 89° 30' | +8.6 | -0.4 | | 383.4 | | +894 | +426 | 670,154 638,187 | |
| 720 | 660 | | - - | -- | 13.1 | 89° 30' | +5.8 | -7.3 | | 376.5 | | +596 | +284 | 669,956 638,045 | |
| 721 | 330 | | - - | -- | 11.3 | 89° 30' | +2.9 | -8.4 | | 375.4 | | +298 | +142 | 669,558 637,903 | |
| 722 | 0 | | | | 5.1 | - | | -5.1 | | 378.7 | TP | 0 | 0 | 669,260 637,761 | |
| 723 | 330 | | 206 55 | -2.0 | 9.3 | 88° 30' | +8.6 | -0.7 | | 383.1 | | -299 | -139 | 668,961 637,622 | |
| 724 | 660 | | - - | -- | 8.0 | 88° 30' | +17.3 | +9.3 | | 393.1 | | -599 | -278 | 668,661 637,483 | |
| 725 | 990 | | - - | -- | 7.8 | 88° 30' | +25.9 | +18.1 | | 401.9 | | -898 | -417 | 668,362 637,344 | |
| 726 | 1320 | | - - | -- | 7.2 | 88° 30' | +34.5 | +27.3 | | 411.1 | | -1197 | -556 | 668,063 637,205 E.O.L. Line #19 | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | |
|----------------|------------------------------|--------------------------|----------------------|-------------------------|----------------|-----------------------------|
| DATE 3-7-85 | INSTRUMENT MAN B. Cotcamp | ROD MAN K. Greenfield | PARTY NUMBER 6834 | NOTES CHECKED BY KUC | LINE NO. 19 | PAGE 52 |
| AREA G1A | TOPO MAP ARAB-7 1/2 | STATE G.A. | COUNTY CRISP | RANGE | PPM | PARTY MANAGER W. Cassidy |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + | EAST + | COORDINATES | | REMARKS |
|-------------|----------------|-------------------|-----------------------------|------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|---------|--------|-------------|---------|---------------------|
| | | | | | | | | | | | | SOUTH - | WEST - | Y | X | |
| | | | | | | | | | | | | LAT. | DEP. | | | |
| | | | | | | | | | 383.8 | | | | | | | |
| TP | 1689 | | 206° 48' 35" | -2.0 | 6.0 | 88° 30' | +44.2 | +38.2 | } | 422.0 | TP | -1533 | -708 | 667,727 | 637,053 | TP - Intc. EL 422.0 |
| TP | 1689 | | | | 5.9 | 271° 30' | +44.2 | +38.3 | | TP | | | | | | |