

RADIOTECHNIQUES

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Exhibit 15 Figure 2B, Page 1 (Amended)

Ground Conductivity Data - WTEM

WCTN - Potomac-Cabin John, MD

March 2005

Sources of Measured Conductivity:

Summary of WTEM measured conductivity data

| Bearing | Cond. | Dist. | Cond. | Dist. | Cond. | Dist. | Cond. | Dist. | Cond. | Dist. | Cond. | Dist. |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 295 | 1.0 | 2.35 | 2.0 | 7.48 | 1.5 | 20.74 | | | | | | |
| 315 | 1.5 | 2.0 | 3.0 | 5.16 | 1.5 | 20.37 | | | | | | |

Note: The above conductivity supporting data is supplied in this figure. All other conductivity data from Figure M—3. The graphing program rounded the end points to the nearest tenth of a kilometer.

GROUND CONDUCTIVITY REPORT

Lat : 38-57-43.0 N

Lon : 76-58-24.0 W

Radius : 30

* Includes measured conductivity data

| | | | | | | | | |
|----------|--------|------|--------|--------|--------|------|--------|------|
| 205 deg: | 12.63, | 4.0 | 13.78, | 5000.0 | 29.96, | 4.0 | | |
| 210 deg: | 30.46, | 4.0 | | | | | | |
| 215 deg: | 30.08, | 4.0 | | | | | | |
| 220 deg: | 9.08, | 4.0 | 11.42, | 2.0 | 15.41, | 4.0 | 18.46, | 2.0 |
| | 18.93, | 4.0 | 19.64, | 2.0 | 20.10, | 4.0 | 29.49, | 2.0 |
| 225 deg: | 8.39, | 4.0 | 29.59, | 2.0 | | | | |
| 230 deg: | 5.48, | 4.0 | 6.07, | 2.0 | 6.62, | 4.0 | 29.96, | 2.0 |
| 235 deg: | 2.66, | 4.0 | 3.77, | 2.0 | 4.37, | 4.0 | 4.92, | 2.0 |
| | 5.48, | 4.0 | 30.00, | 2.0 | | | | |
| 240 deg: | 2.66, | 4.0 | 30.22, | 2.0 | | | | |
| 245 deg: | 2.66, | 4.0 | 29.57, | 2.0 | | | | |
| 250 deg: | 2.34, | 4.0 | 30.18, | 2.0 | | | | |
| 255 deg: | 2.34, | 4.0 | 30.01, | 2.0 | | | | |
| 260 deg: | 2.34, | 4.0 | 30.11, | 2.0 | | | | |
| 265 deg: | 2.34, | 4.0 | 29.77, | 2.0 | | | | |
| 270 deg: | 2.34, | 4.0 | 29.68, | 2.0 | | | | |
| 275 deg: | 1.67, | 4.0 | 29.77, | 2.0 | | | | |
| 280 deg: | 1.67, | 4.0 | 30.12, | 2.0 | | | | |
| 285 deg: | 2.60, | 1.0* | 8.20, | 2.0* | 20.70, | 1.5* | 30.01, | 2.0 |
| 290 deg: | 2.60, | 1.0* | 8.20, | 2.0* | 20.70, | 1.5* | 29.87, | 2.0 |
| 295 deg: | 2.60, | 1.0* | 8.20, | 2.0* | 20.70, | 1.5* | 30.23, | 2.0 |
| 300 deg: | 2.60, | 1.0* | 8.20, | 2.0* | 20.70, | 1.5* | 30.24, | 2.0 |
| 305 deg: | 1.80, | 1.5* | 2.30, | 2.0* | 2.60, | 1.0* | 5.20, | 3.0* |
| | 8.20, | 2.0* | 20.30, | 1.5* | 20.70, | 1.5* | 30.03, | 2.0 |
| 310 deg: | 1.80, | 1.5* | 2.30, | 2.0* | 5.20, | 3.0* | 20.30, | 1.5* |
| | 30.00, | 2.0 | | | | | | |
| 315 deg: | 1.80, | 1.5* | 2.30, | 2.0* | 5.20, | 3.0* | 20.30, | 1.5* |
| | 29.64, | 2.0 | | | | | | |
| 320 deg: | 1.80, | 1.5* | 2.30, | 2.0* | 5.20, | 3.0* | 20.30, | 1.5* |
| | 30.02, | 2.0 | | | | | | |
| 325 deg: | 1.80, | 1.5* | 2.30, | 2.0* | 5.20, | 3.0* | 20.30, | 1.5* |

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| | | | | |
|----------|--------|-----|--------|-----|
| | 30.15, | 2.0 | | |
| 330 deg: | 1.69, | 4.0 | 29.75, | 2.0 |
| 335 deg: | 1.69, | 4.0 | 30.06, | 2.0 |
| 340 deg: | 1.69, | 4.0 | 30.10, | 2.0 |
| 345 deg: | 2.53, | 4.0 | 30.34, | 2.0 |
| 350 deg: | 2.38, | 4.0 | 29.70, | 2.0 |
| 355 deg: | 2.38, | 4.0 | 30.26, | 2.0 |