

Fig. II-2-19(1) 2D analysis sections for resistivity of E-W lines in Rakah Mine area

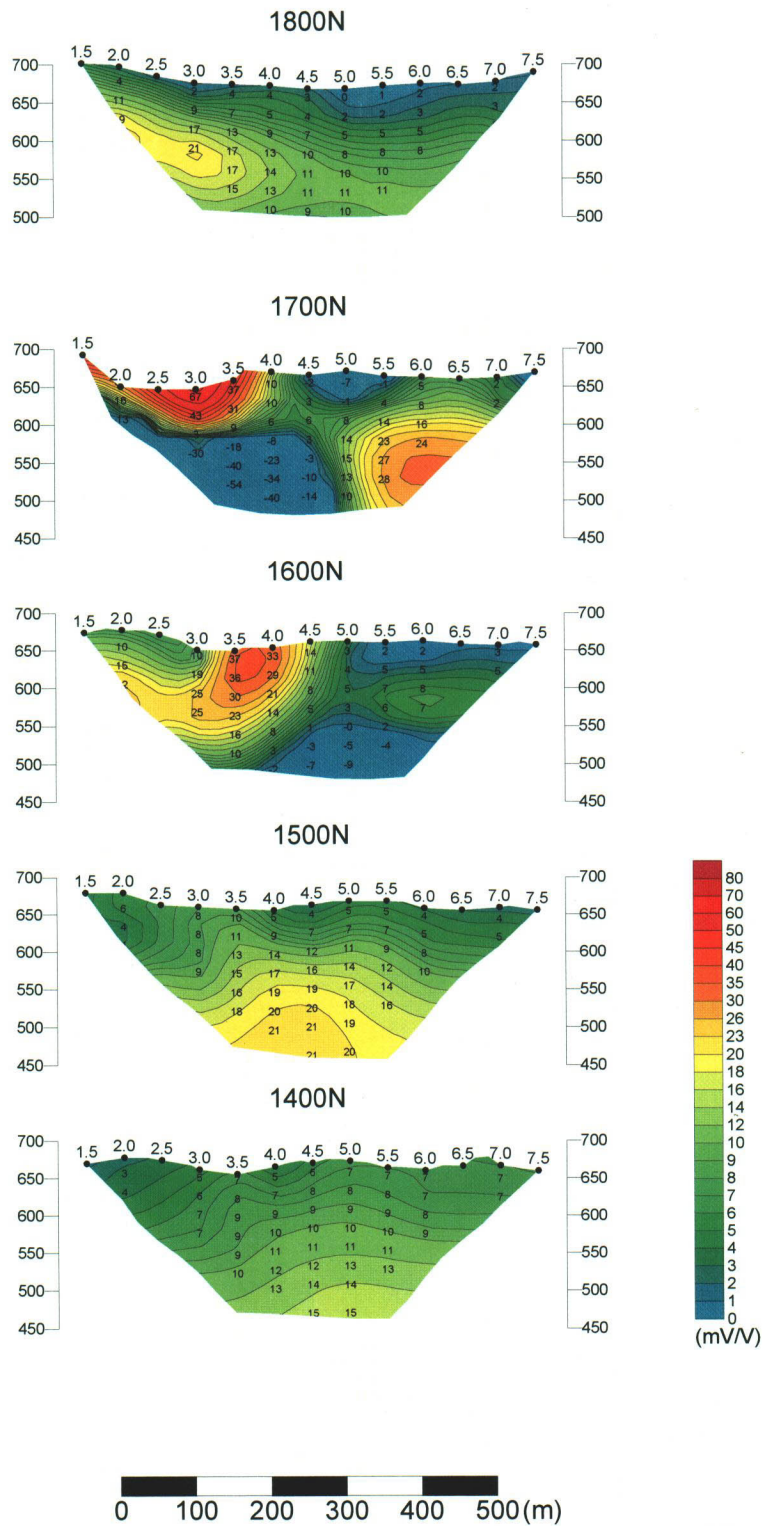


Fig. II-2-19(2) 2D analysis sections for chargeability of E-W lines in Rakah Mine area

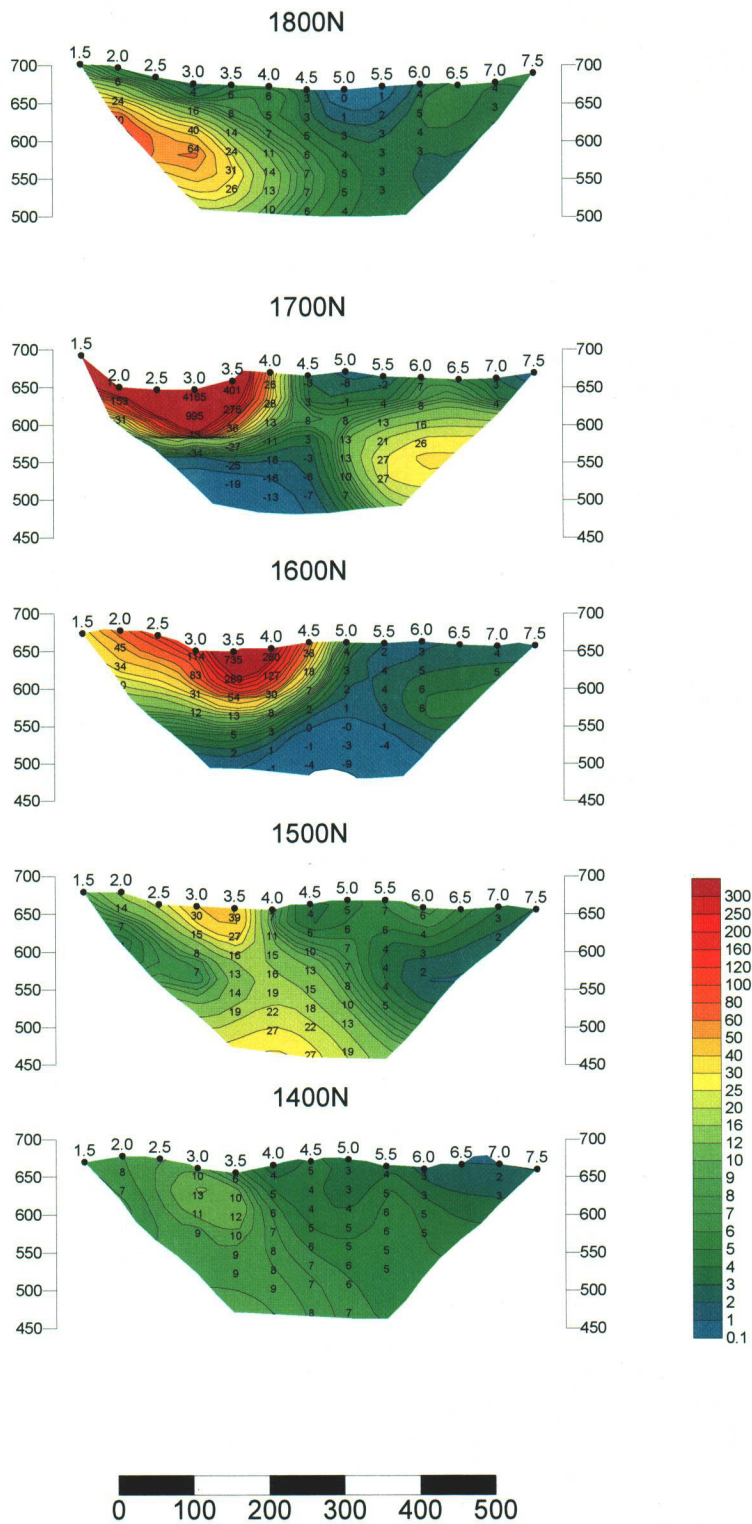


Fig. II -2-19(3) 2D analysis sections for metal factor of E-W lines in Rakah Mine area

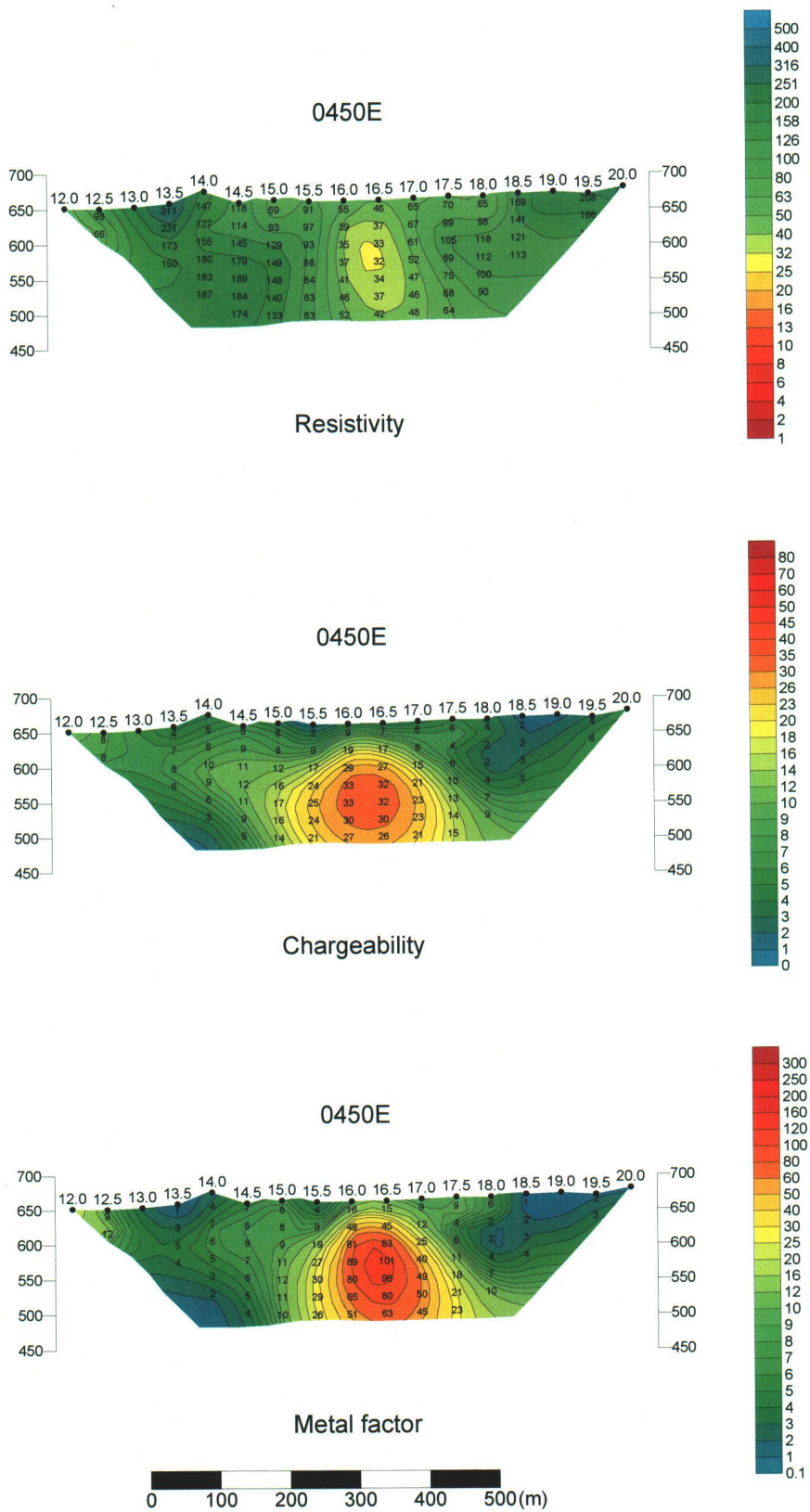


Fig. II -2-19(4) 2D analysis sections of N-S lines in Rakah Mine area

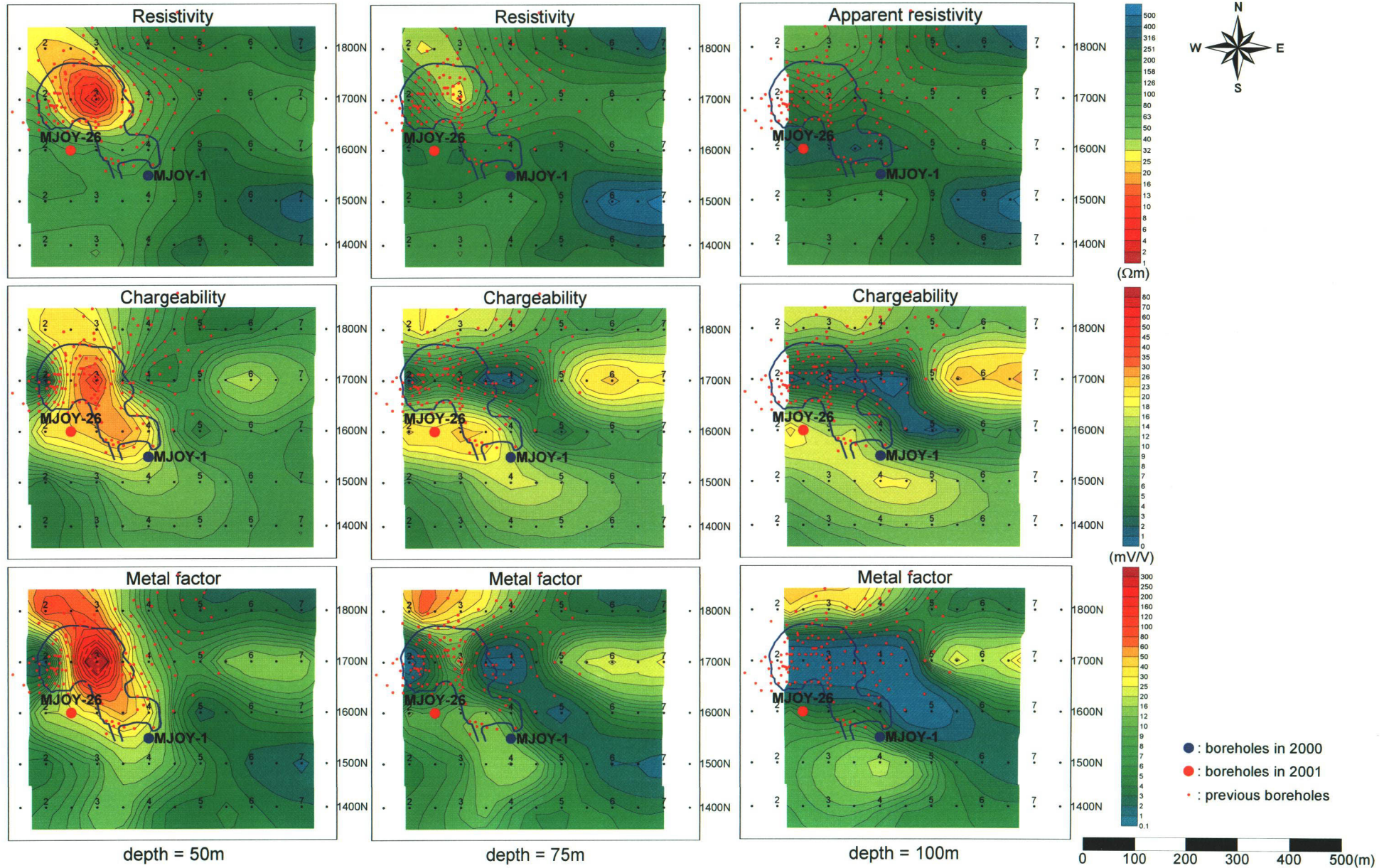


Fig. II-2-20(1) 2D analysis plane maps at the depth of 50m, 75m and 100m in Rakah Mine area

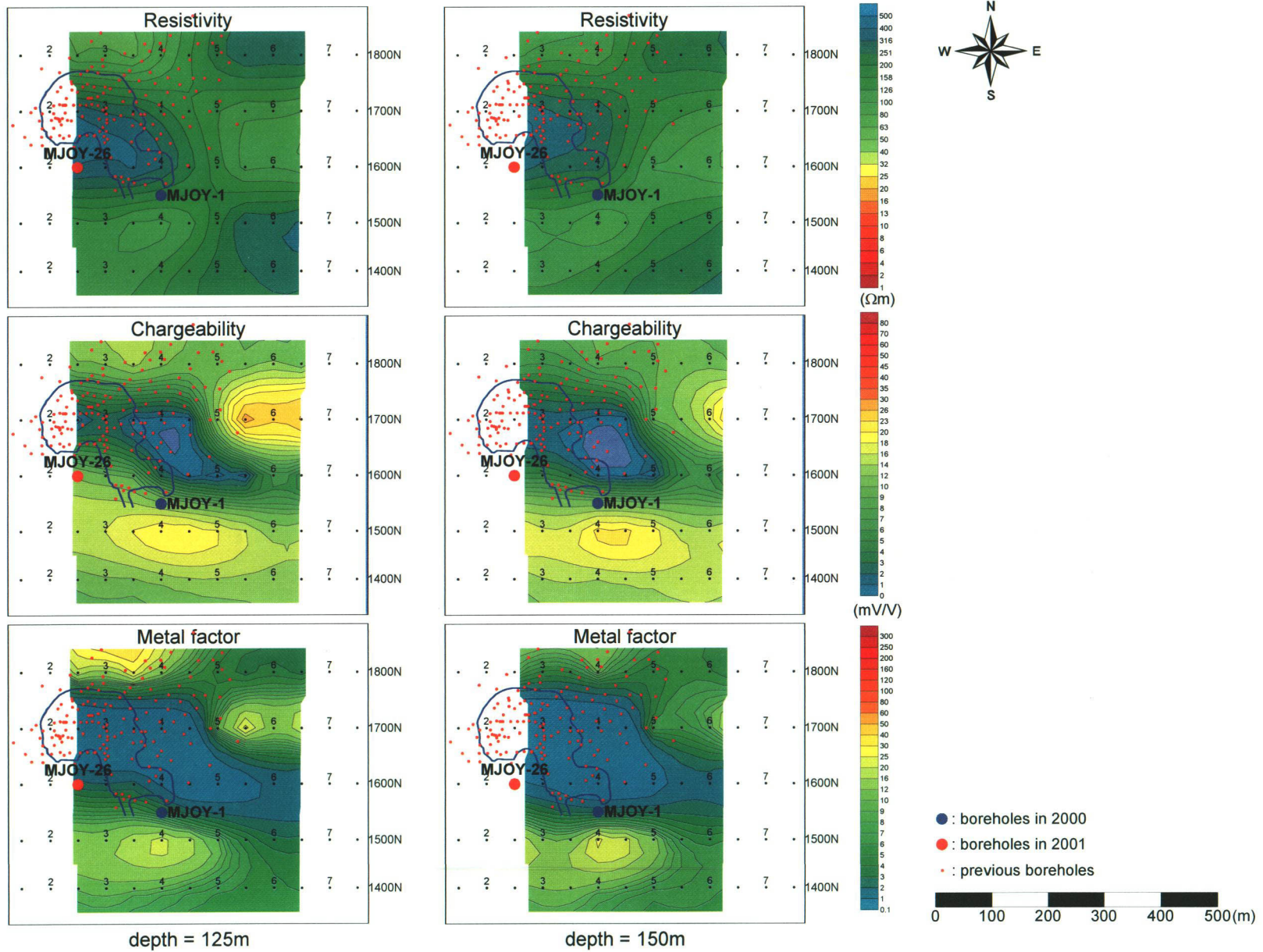


Fig. II -2-20(2) 2D analysis plane maps at the depth of 125m and 150m in Rakah Mine area

open pit but not confirming its extension at depths. High chargeability distribution at deeper part was calculated outside of the open pit around line 1700N from station 5.5 towards the east. Another anomaly was determined around the central part of the line 1500N. From the above-mentioned, massive sulphide ore can be obtained in part of the open pit and expecting to obtain stockwork ore in the surroundings.

2-5-2 Quron Al-Akhabab area

Fig. II-2-21 shows the locations of the IP lines in Quron Al-Akhabab area. In Phase II of this project, 5 IP lines of 800m each were set up along EW direction and 2 more lines of 1000m each along NS direction. TDIP pseudo-sections and plane maps are indicated in Figs. II-2-22 (1)~(4) and Figs. II-2-23 (1)~(3), respectively. 2-D analysis for sections and plane maps are illustrated in Figs. II-2-24 (1)~(4) and Figs. II-2-25 (1)~(3), respectively.

In this area, the apparent resistivity values ranged between $17.5\Omega\text{m}$ and $1,195\Omega\text{m}$ with an average of $212\Omega\text{m}$, while the chargeability ranged between 0.1 and 37mV/V with average of 15.1mV/V. In this area, massive sulphide was expected due to the fact that not only low resistivity and high chargeabilities were detected by the TDIP survey but also high TEM response values were detected by the TEM survey in Phase I. However, according to the drilling survey results, only stockwork-mineralized zones were confirmed. By means of the detailed survey of the Phase II, more precise IP anomaly distributions were detected within the stockwork-mineralized zones.

High chargeability anomalies distributed about 350m along EW direction and 200m along NS direction were detected (for $N=1$) in the central part of the line 1600N in the neighborhood of the stations 28 and 29. Low resistivity values are seen near the center and high resistivity values in other places. For $N=1$ high chargeability values are found distributed in the eastern part of the Line 1900N.

According to the results of 2-D analysis, in the central part, a high chargeability distribution is interpreted near the stations 28 and 30 of the lines 1600N and 1700N. On the plane map at the depth of 50m, high chargeability with values over 30mV/V is interpreted distributed 250m along EW and 150m along NS direction.

In relation to the resistivity distribution, low resistivity values of less than $25\Omega\text{m}$ are detected near the center of a high chargeability distribution, but in another part of the area, rather higher resistivity values were detected even in places where the chargeability indicated high values.

2-5-3 Tawi Rakah area

Fig. II-2-26 shows the locations of the IP lines in Tawi Rakah area. In Phase II of this project, 8 IP lines of 600m each were set up along EW direction and 1 more line of 1100m along NS direction. TDIP pseudo-sections and plane maps are indicated in Figs. II-2-27 (1)~(3) and Figs. II-2-28 (1)~(3), respectively. 2-D analysis for sections and plane maps are illustrated in Figs. II-2-29 (1)~(3) and Figs. II-2-30 (1)~(3), respectively.

The apparent resistivity values detected in this area ranged from $21.1\Omega\text{m}$ to $606\Omega\text{m}$ with an

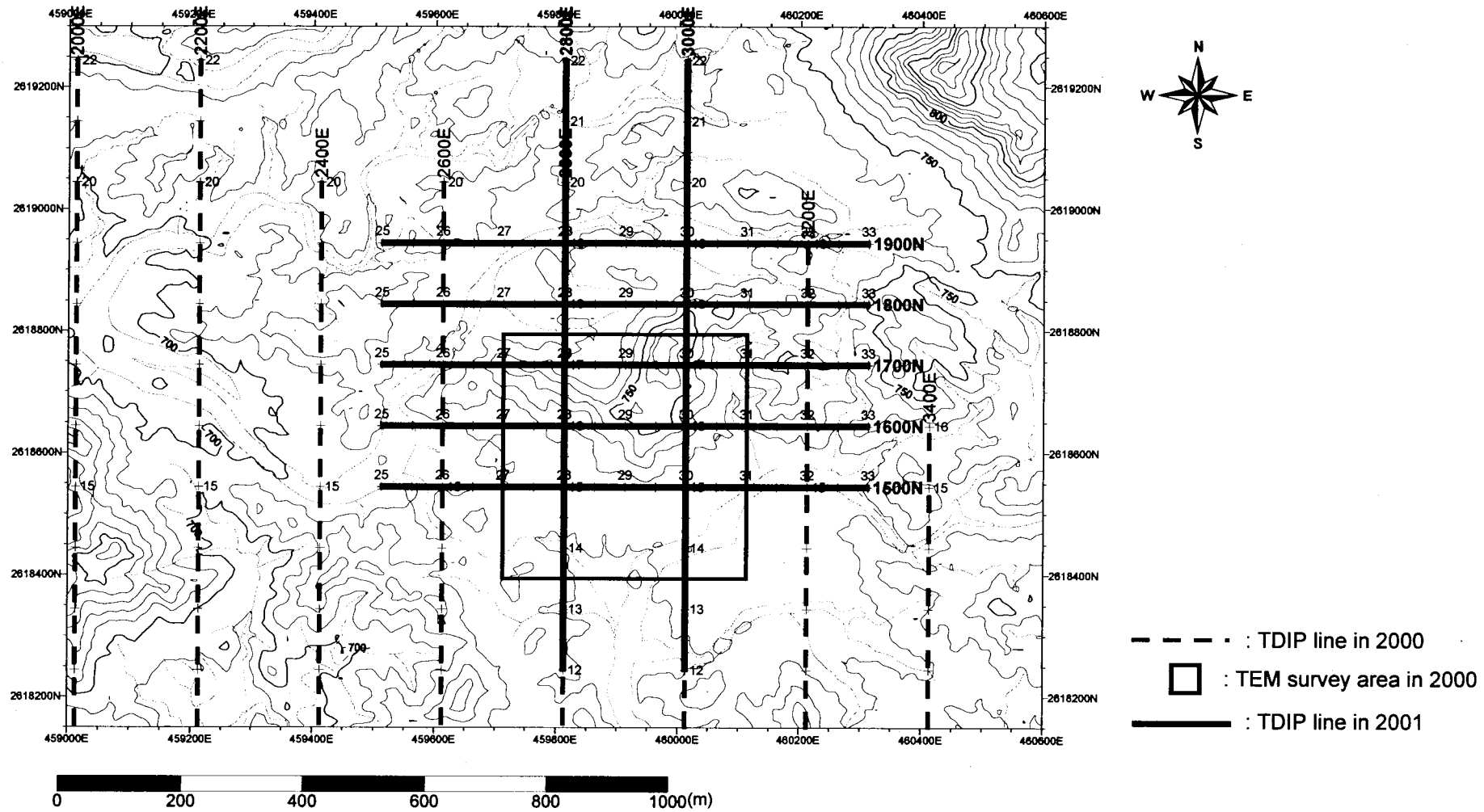


Fig. II -2-21 Geophysical survey location in Quron Al-Akhabab area

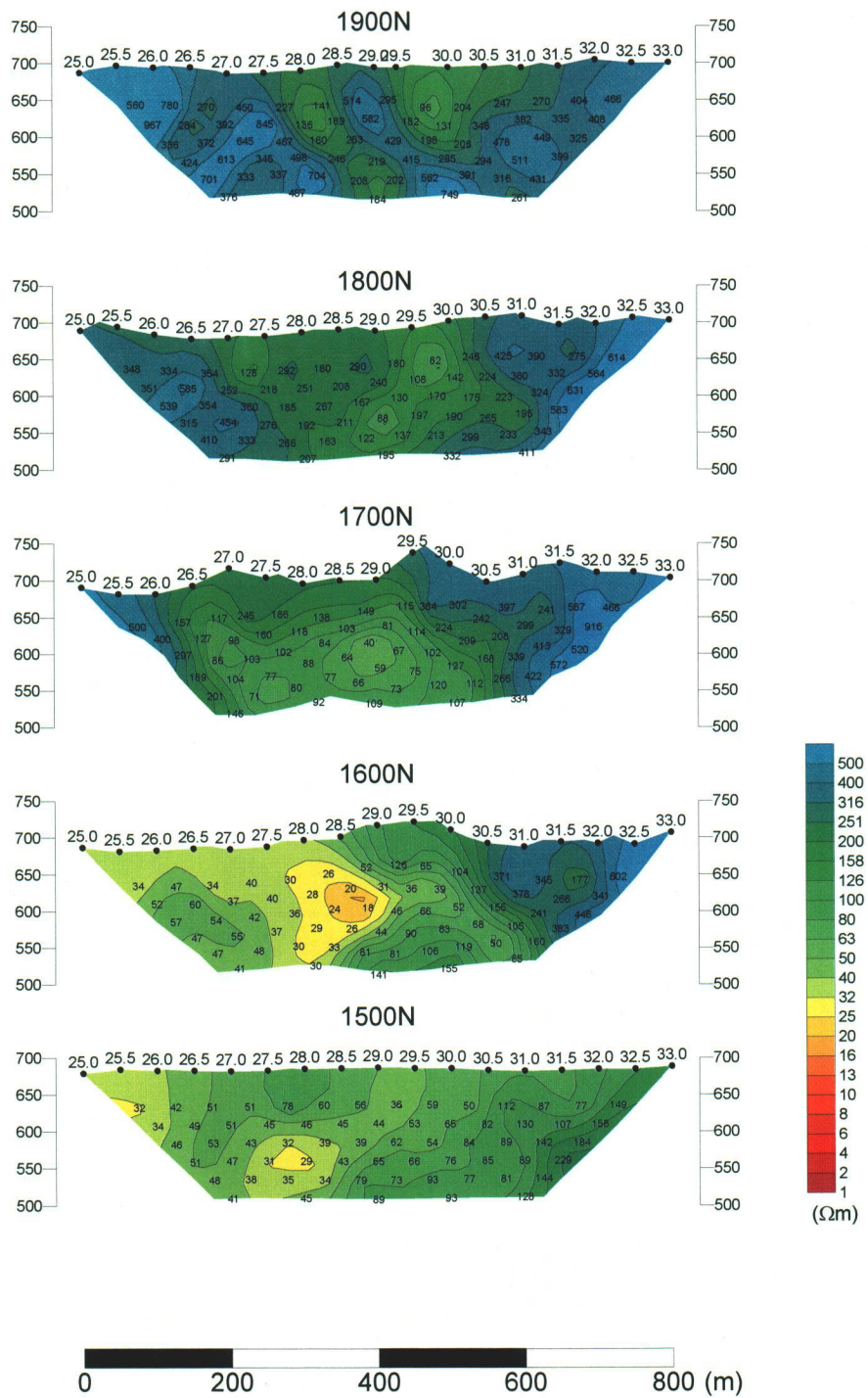


Fig. II-2-22(1) Apparent resistivity pseudo-sections of E-W lines in Quron Al-Akhabab area

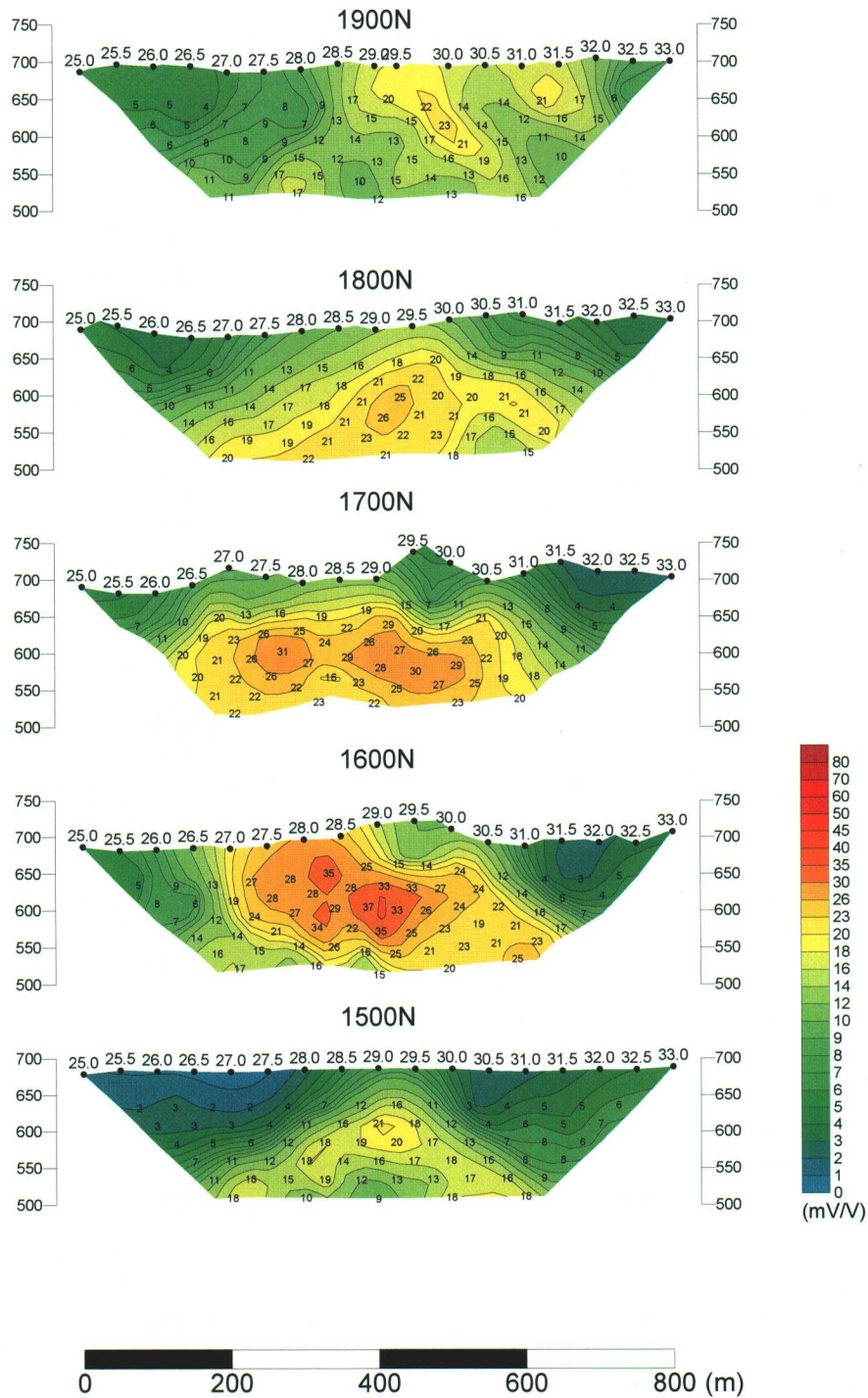


Fig. II -2-22(2) Chargeability pseudo-sections of E-W lines in Quron Al-Akhabab area

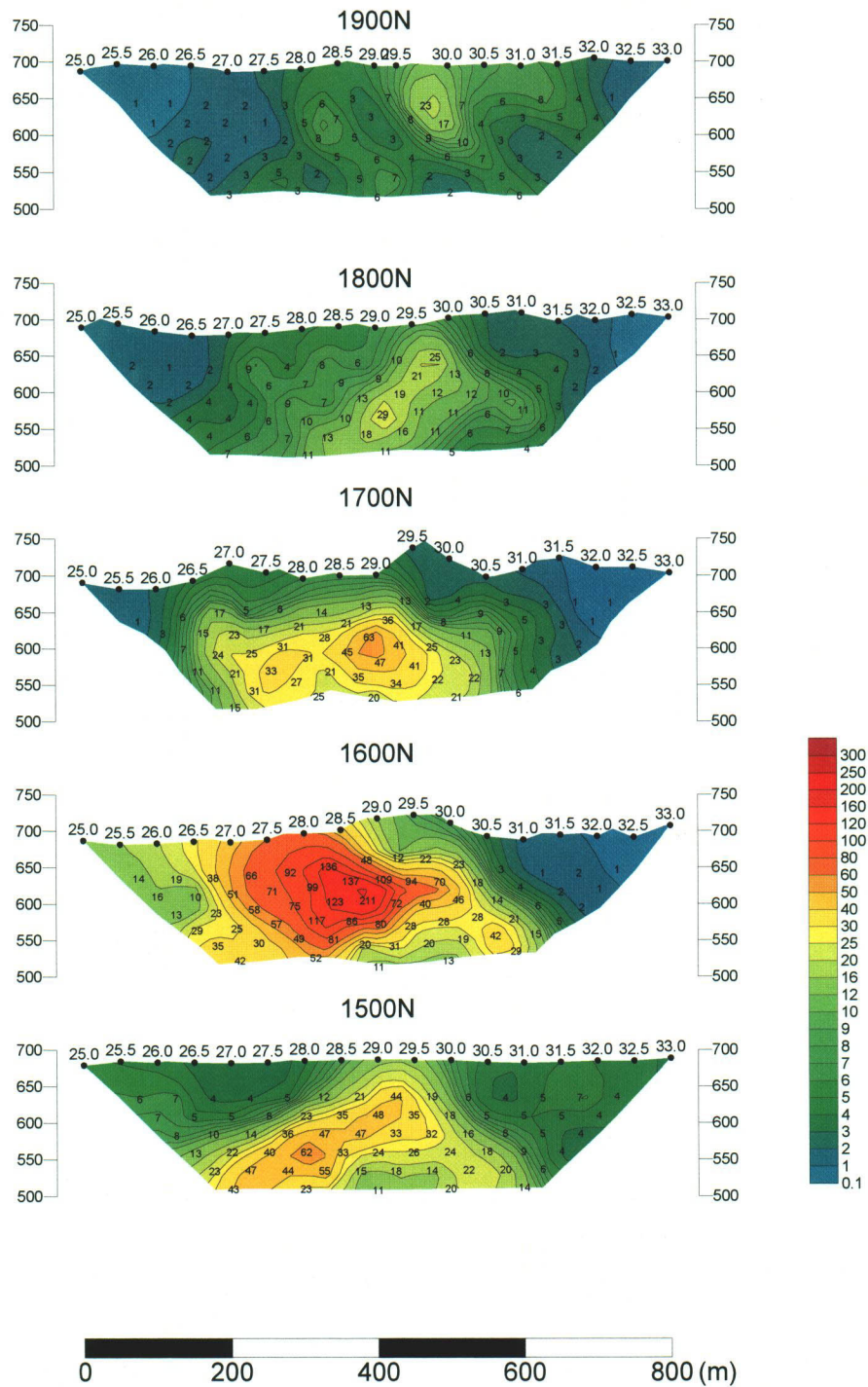


Fig. II -2-22(3) Metal factor pseudo-sections of E-W lines in Quron Al-Akhabab area

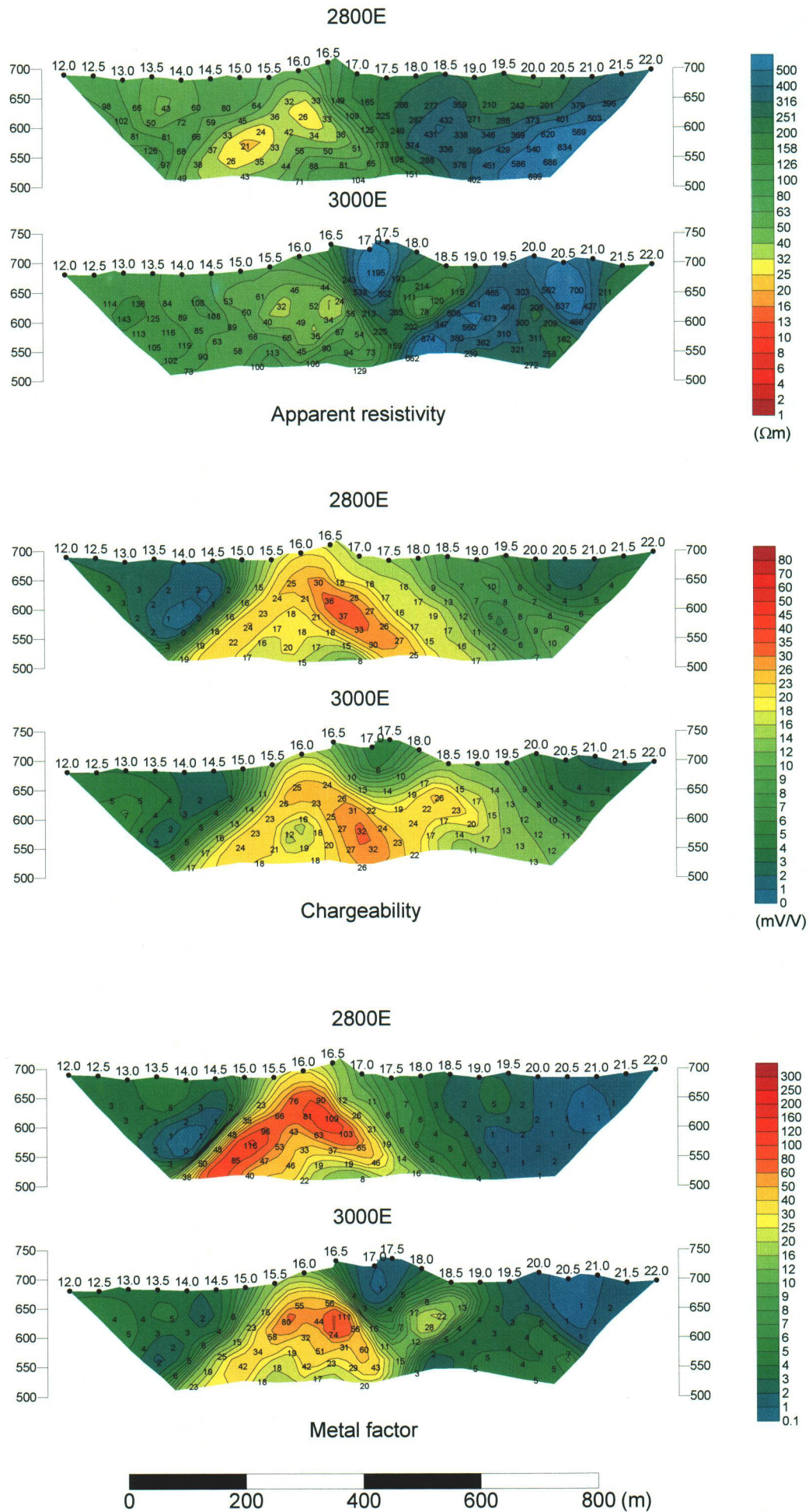


Fig. II-2-22(4) TDIP pseudo-sections of N-S line in Quron Al-Akhab area