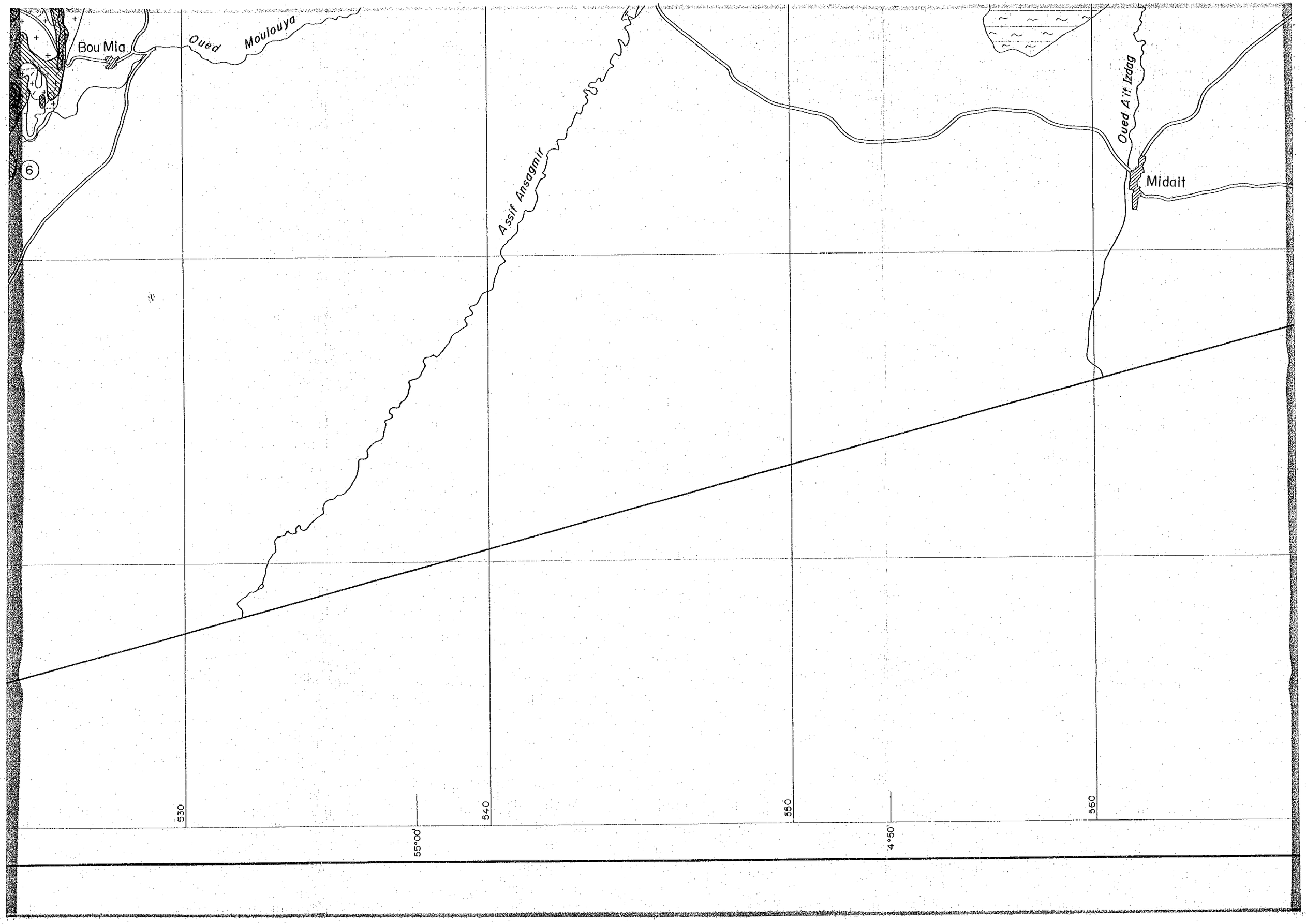
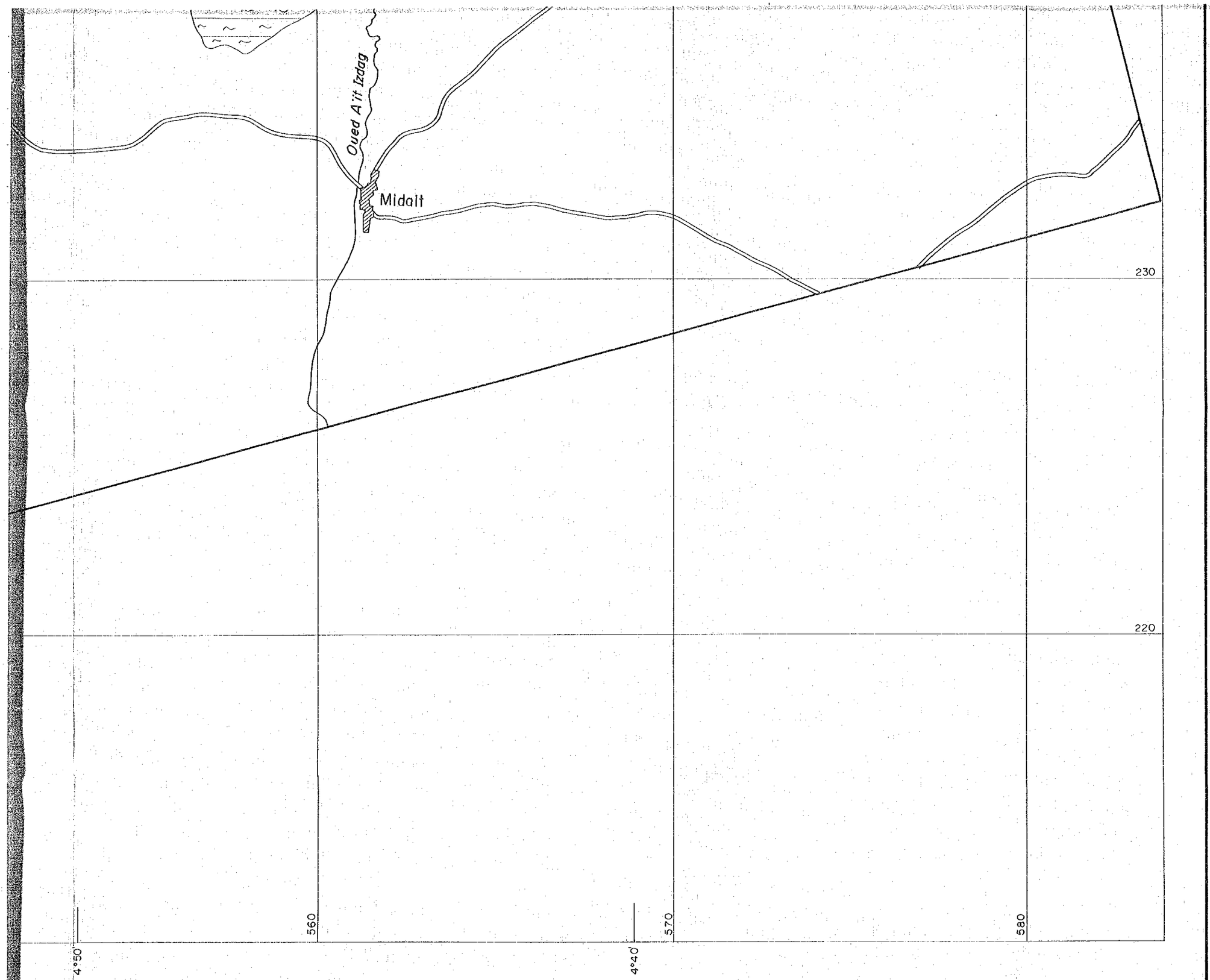

Bou Mia
Oued Moulouya
Assif Ansagmir
Oued A'it Izdag
Midalt
6
530
540
550
560
55°00'
4°50'



contam

granod

schist

format

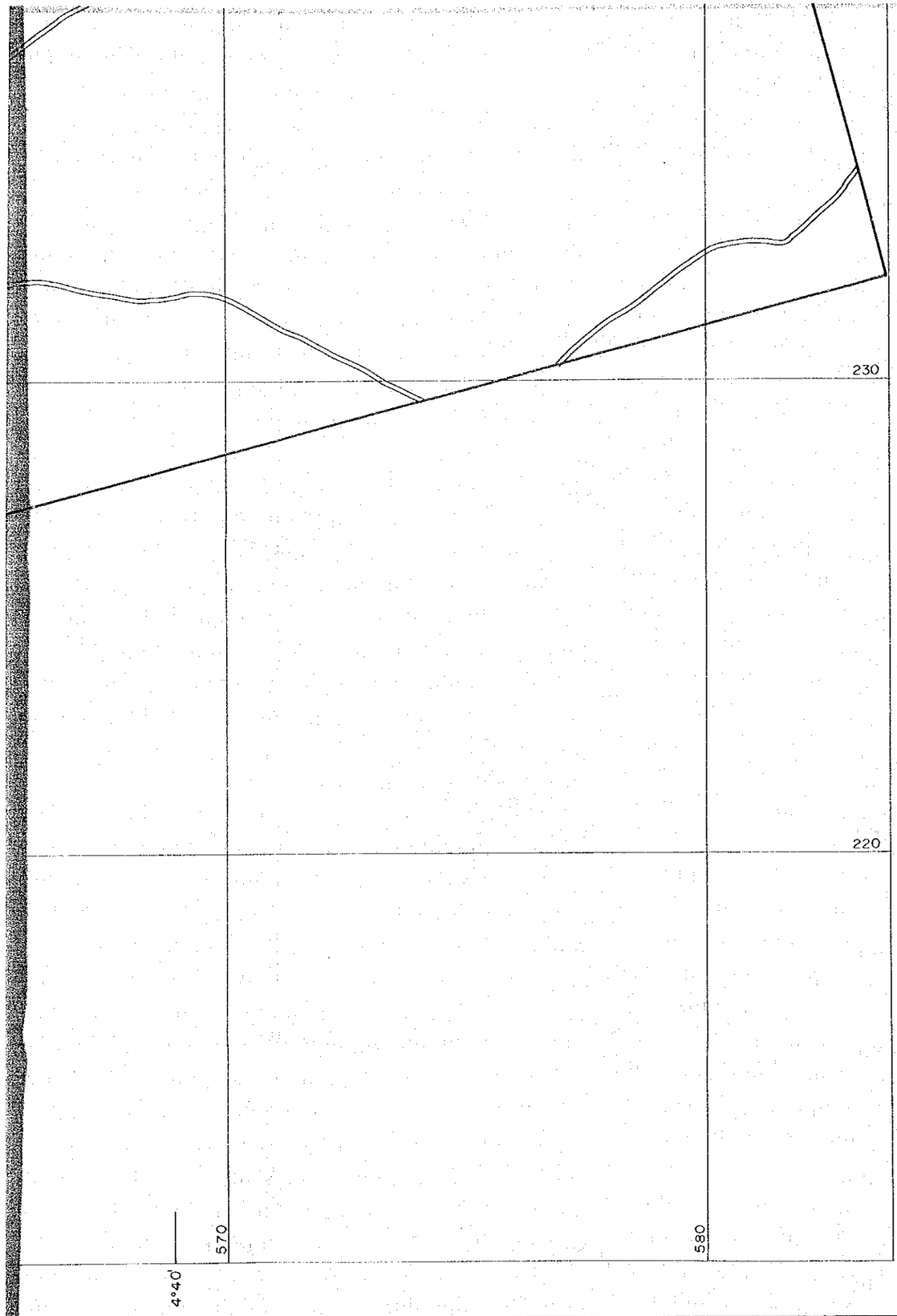
radioa

radioa

geolog

① ~ ⑮ Pb - Cu

△1 ~ △20 Uranio



contaminated granite

granodiorite

schist

formation since Permo - Triassic

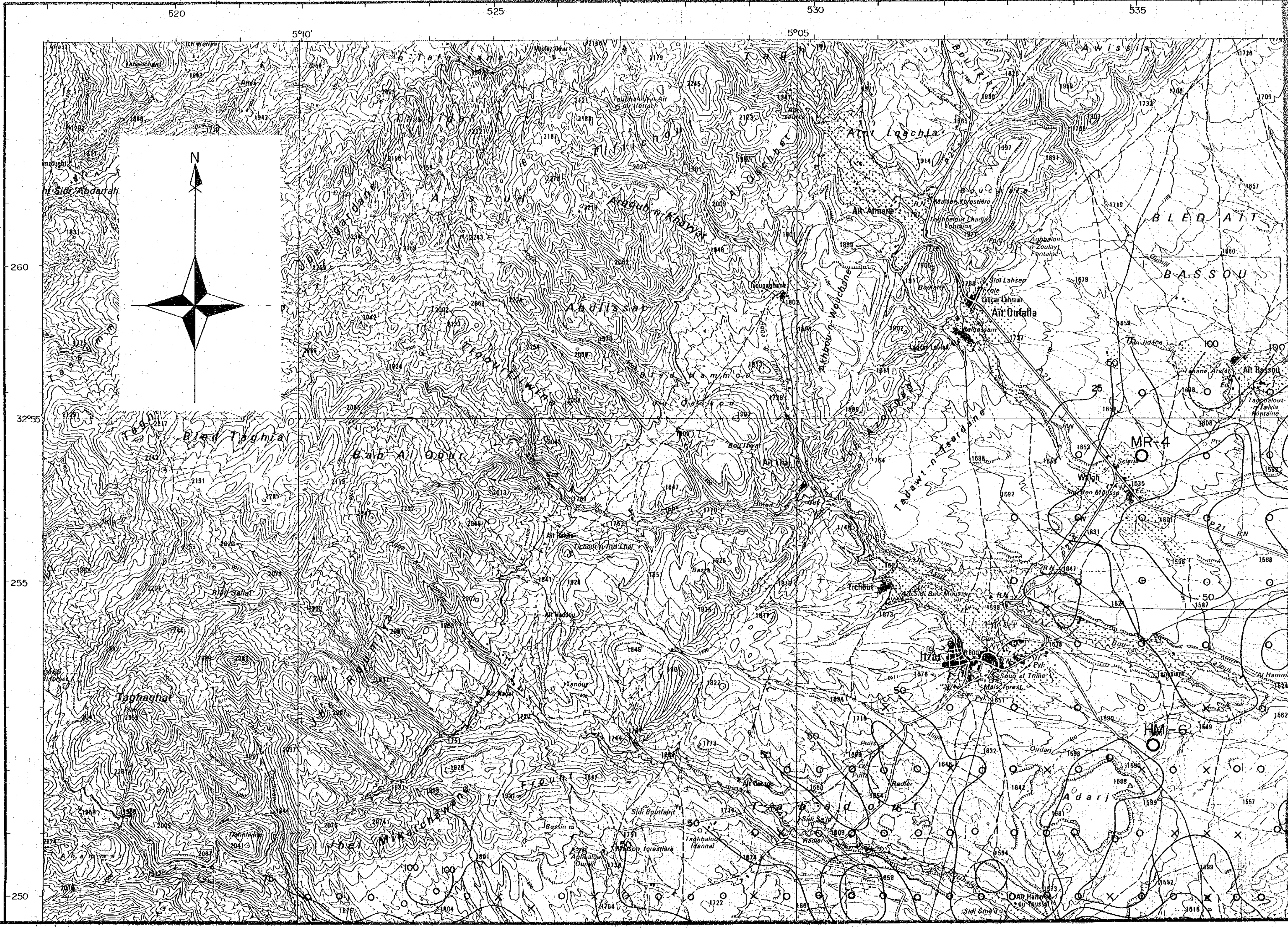
radioactivity from 150 c/s to 200 c/s (by SPP-2NF)

radioactivity over 200 c/s (by SPP-2NF)

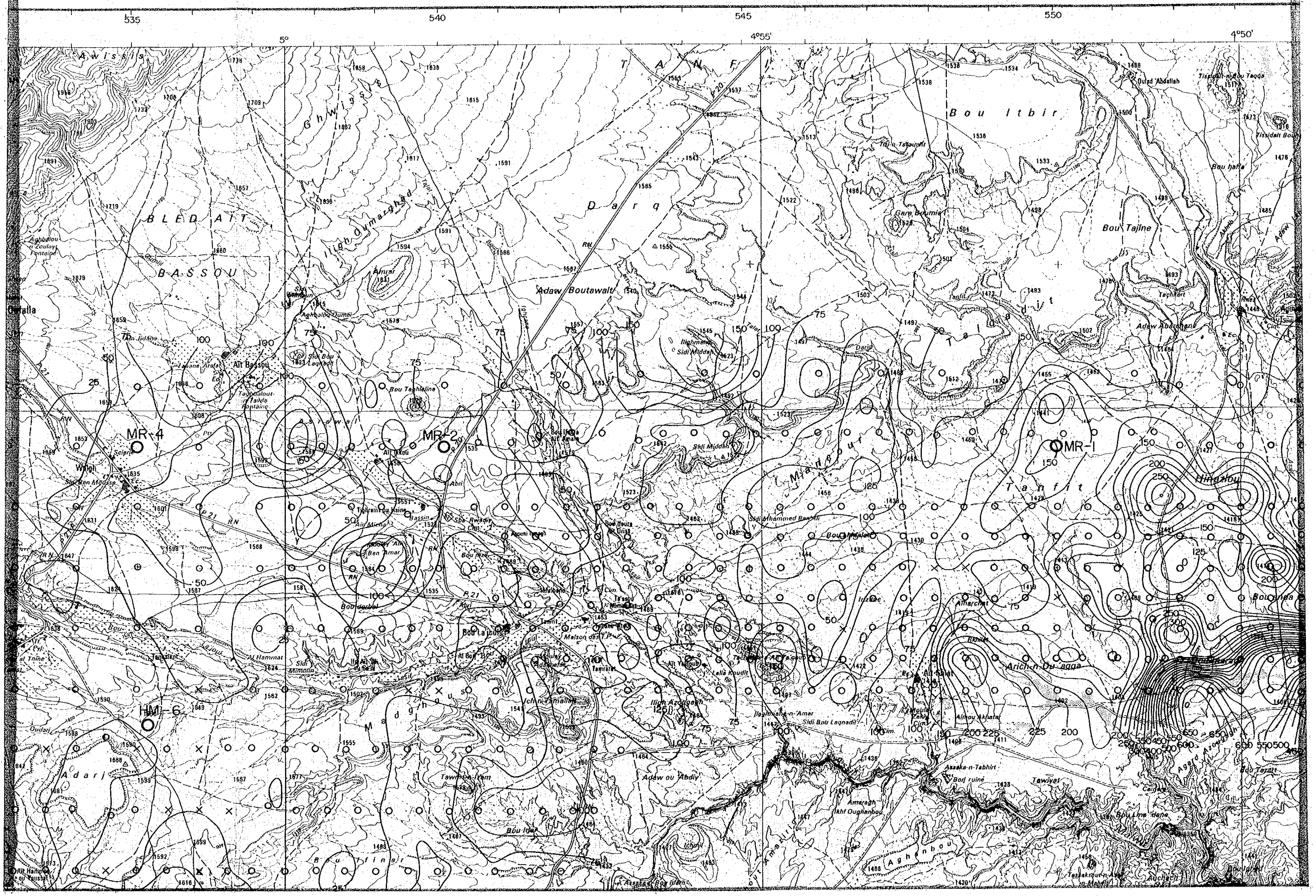
geological boundary (clear/gradual)

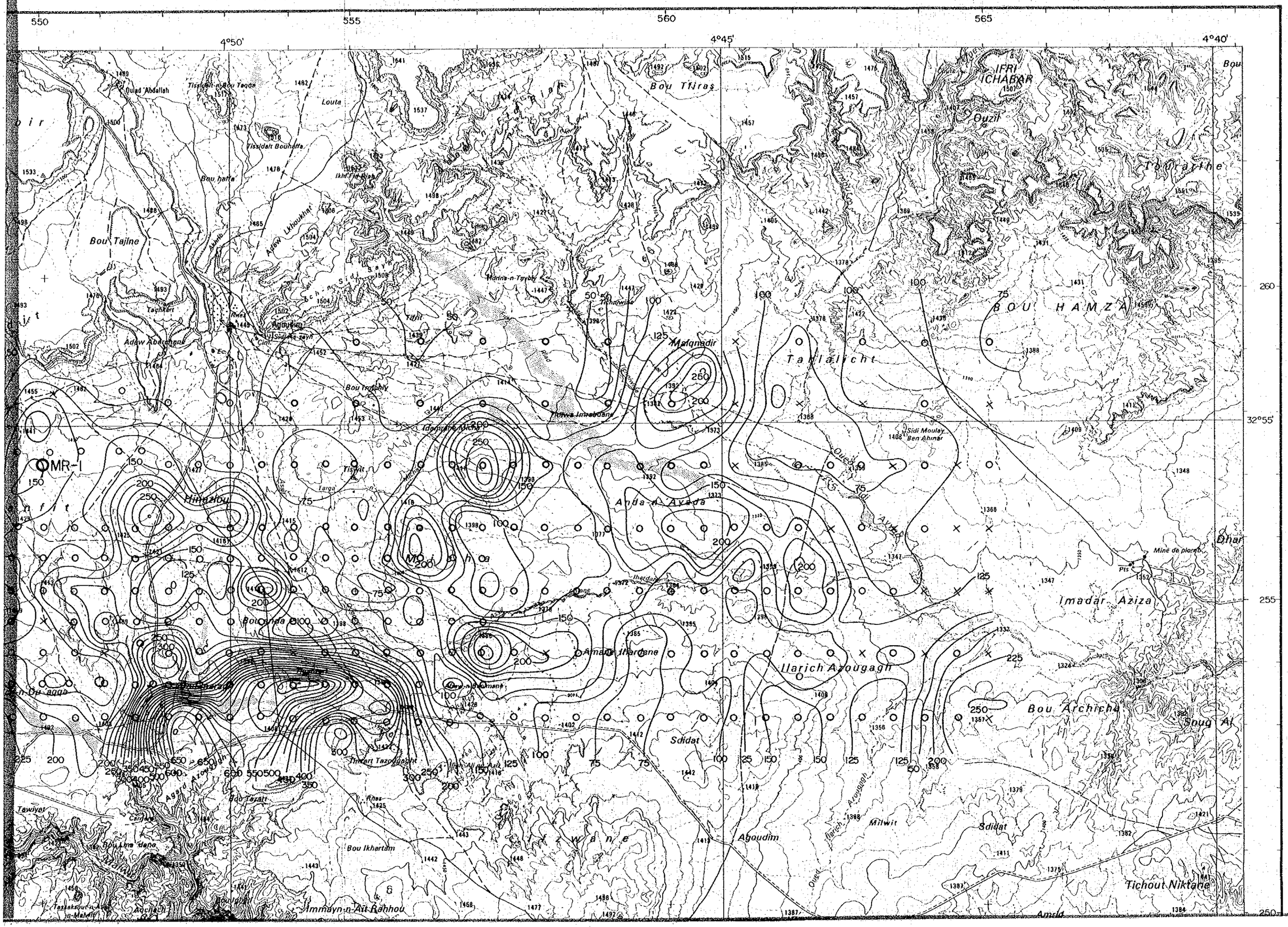
(1) ~ (15) Pb - Cu - Ba Mineralization

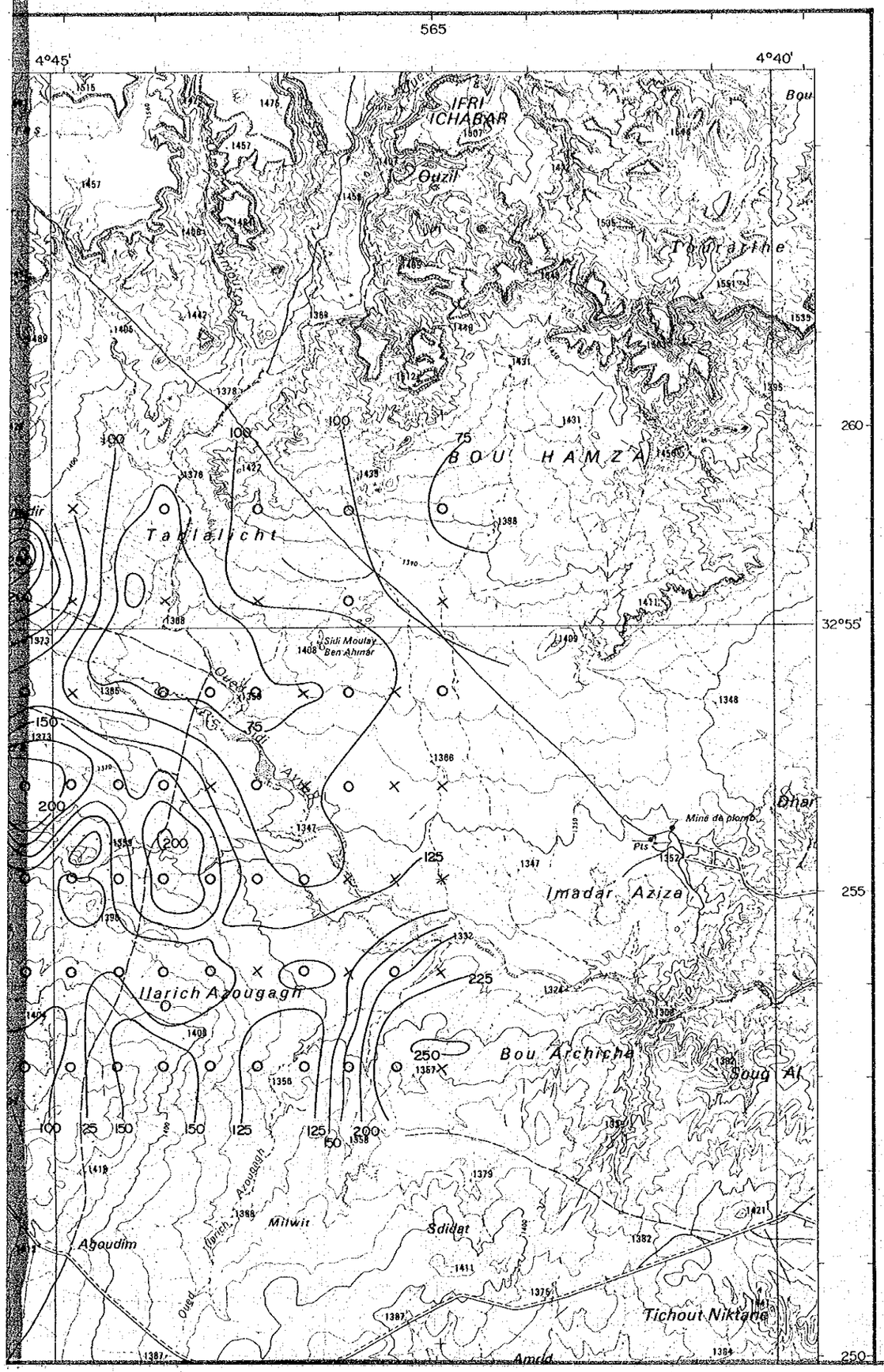
(1) ~ (20) Uranium & Radioactive Mineralization



520
525
530
535
5°10'
5°05
260
255
250
32°55'
N
Bled Taghia
Bab Al Qour
Abdilissar
Arqqub-n-Khawyar
Ait Laachla
Ait Atmane
Ait Oufalla
BLED AIT BASSOU
Ait Bassou
Awissis
Maison forestière
Ecole
Sidi Lahsen
Laqcar Lahmar
Tadawt-n-Tsardane
Akhbou-n-Wouchane
Ait Lhaj
Tichbout
Ait Sidi Bou Moussa
Itzar
Souq al Tnine
Wlagh
Sidi Ben Mousse
Scierie
Bled Sallat
Taghaghat
Ait Haddou
Ait Nasar
Tanout
Bazza
Adarj
Oudarj
Ain Jidane
Sidi Said
Sidi Bouttafrit
Bassin
Taghbalout Idannal
Jbel Mikatchawane
Ait Haim ou Youssef
P 21
R.N
MR-4
HM-6
25
50
75
100


535
540
545
550
5°
4°55'
4°50'
MR-4
MR-2
MR-I
HM-6
Awissis
Ghwigsis
BLED AIT BASSOU
Ait Bassou
Darq
Adaw Boutawalt
Bou Itbir
Bou Tajine
Tanfit
Mianssour
Madghous
Adarj
Bou Lajoul
Arich-n-Ou'agga
Hinazlou
Aghanbou
Bou Infinar
Adaw ou 'Abdiy
Ilighmane
Sidi Middah
Ouled 'Abdallah
Welgh
Oudari
Agard Azoughagh


550
555
560
565
4°50'
4°45'
4°40'
260
32°55'
255
250
MR-1
Bou Tiras
IFRI ICHABAR
Ouzil
Tourarthe
Bou Tajine
Adaw Lkhoukhat
Adaw Aberchane
Taghkert
Tiliri
Malqnadir
Tamlalicht
BOU HAMZA
Bou Trifchiy
Idaqqane Nichat
Sidi Moulay Ben Ahmar
Hinhazlou
Anda n Ayada
Mine de plomb
Imadar Aziza
Bou Arfa
Amada Ihardane
Ilarich Azougagh
Bou Archicha
Souq Al
Sdidat
Tinfert Tazoughaght
Agadd Aiougagh
Bou Tazalt
Milwit
Agoudim
Bou Ikhertam
Immayn n Ait Rahhou
Tichout Niktane
Amda

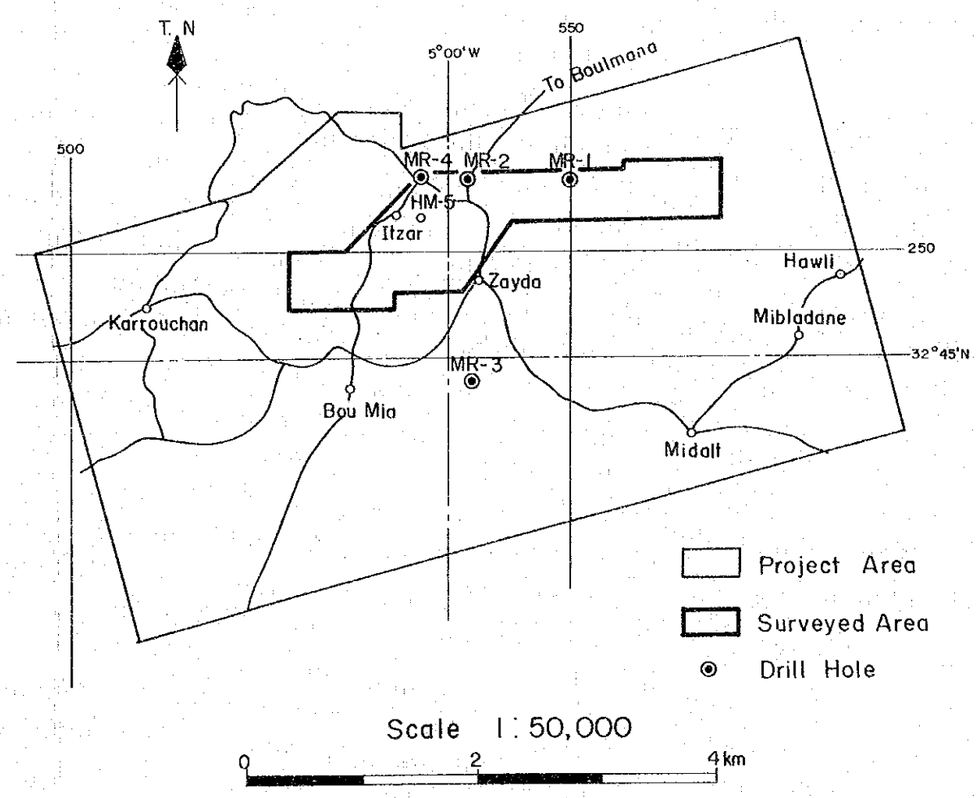


PL. 5

GEOLOGICAL SURVEY OF HAUTE MOULOUYA AREA, MOROCCO

PHASE II

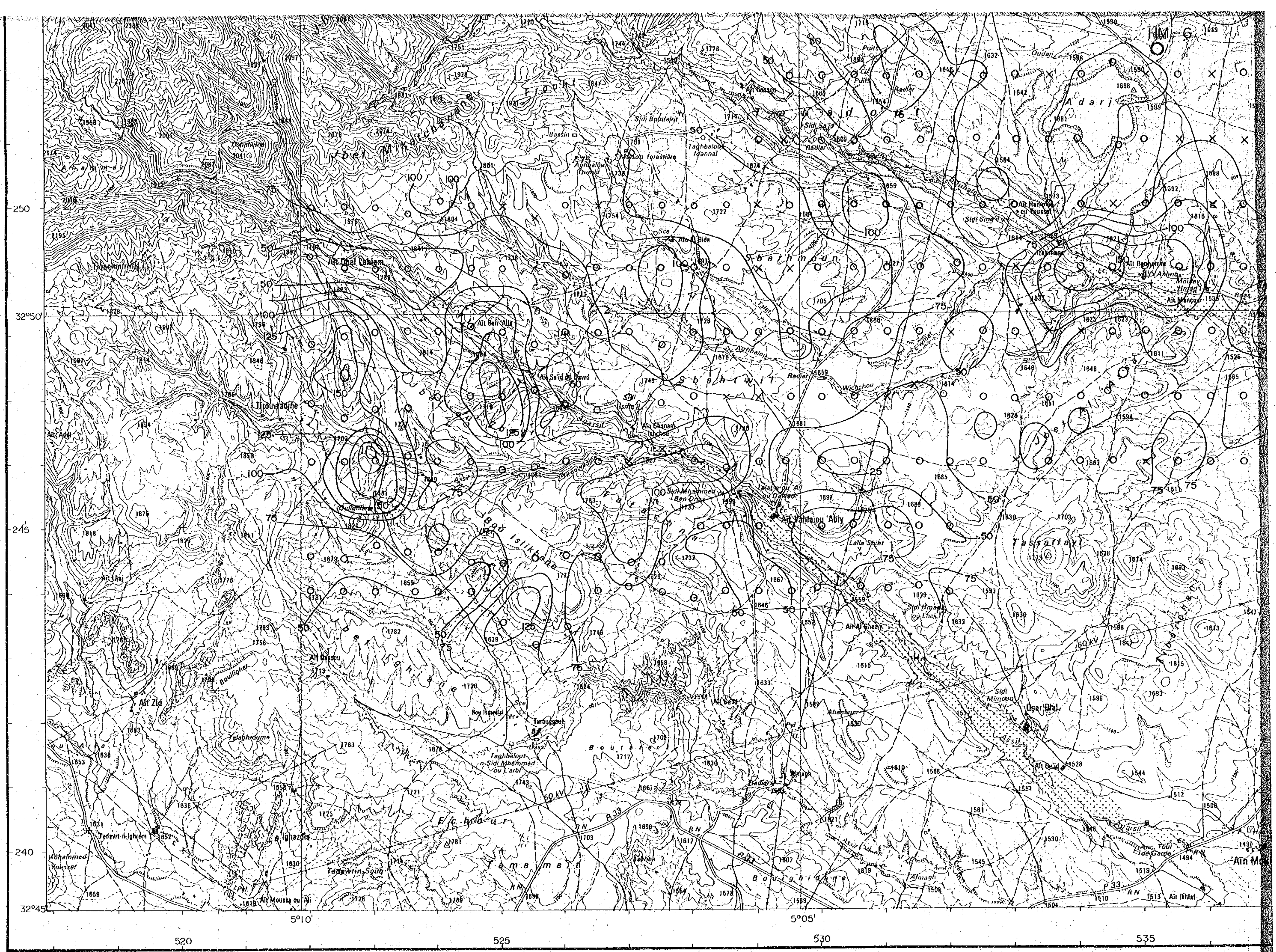
CONTOUR MAP OF RADON ETCH SURVEY

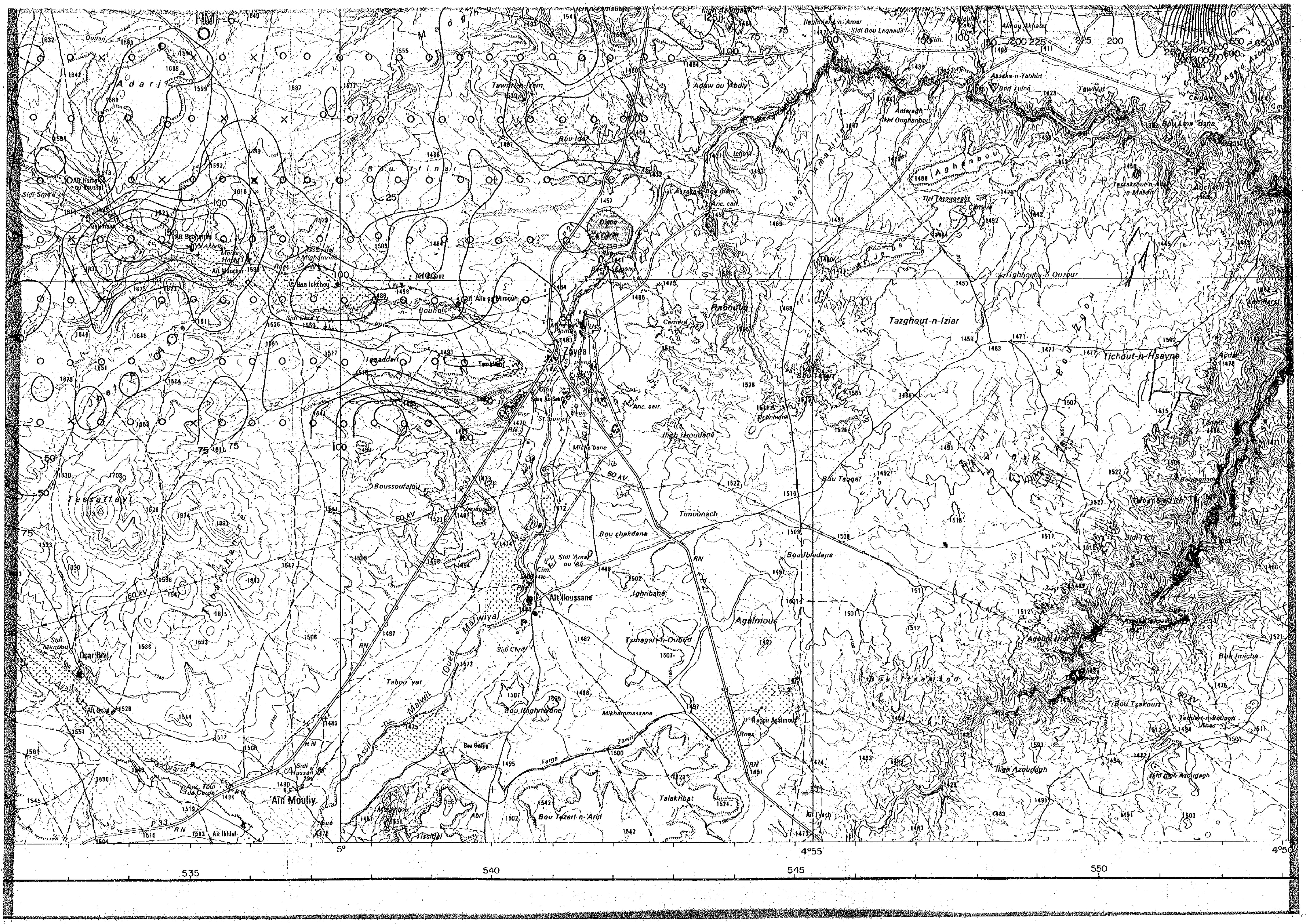


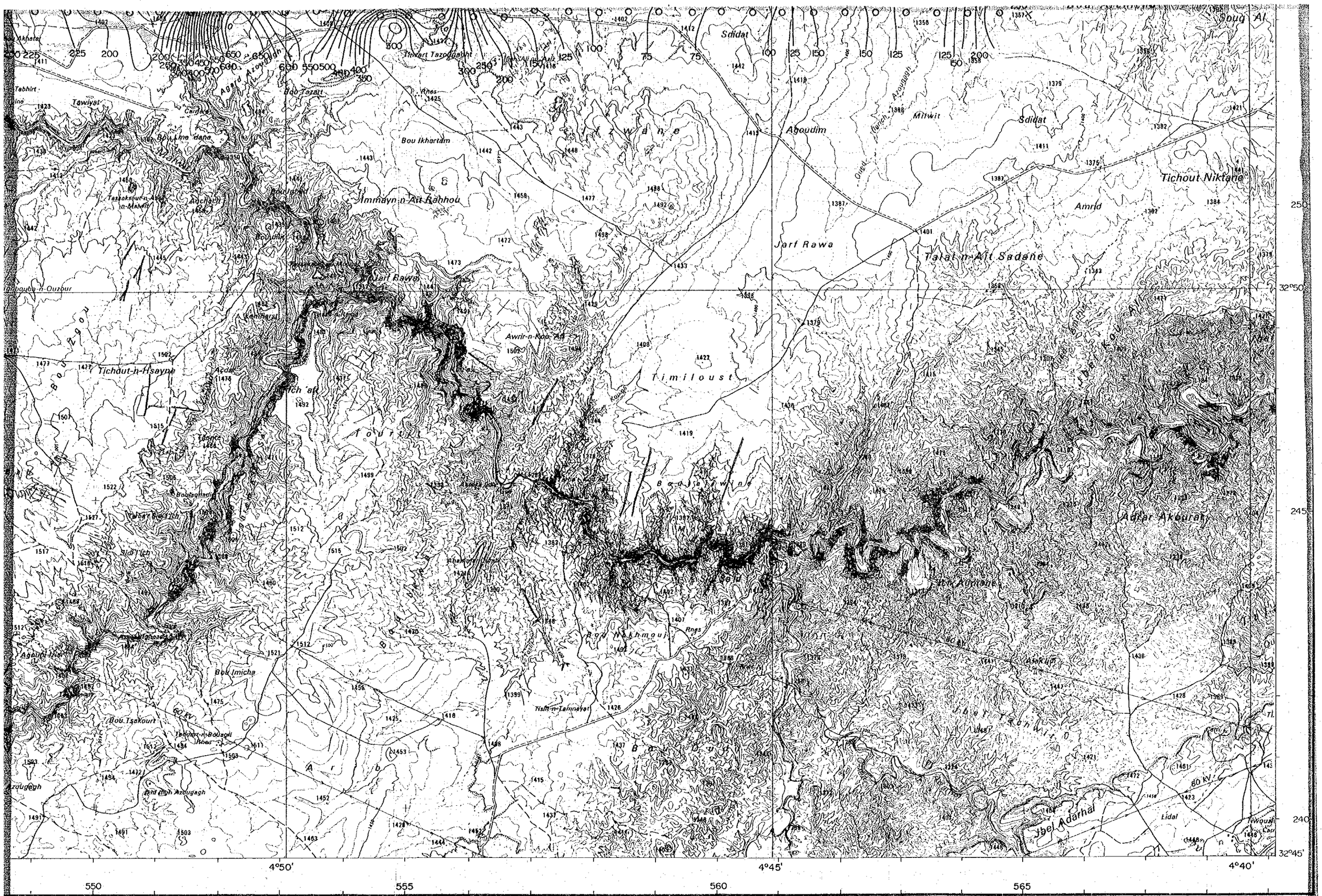
METAL MINING AGENCY OF JAPAN
JAPAN INTERNATIONAL COOPERATION AGENCY

FEBRUARY 1980

Prepared by MESCO, Inc.


HM-6
250
32°50'
245
240
32°45'
5°10'
5°05'
520
525
530
535
Ait Ohal Lahlem
Tirouvradine
Ait Ben Alla
Ait Sa'id ou Dawd
Agarsil
Ain Chanam
Sidi Mhammed Ben Driss
Ait Yahfelou 'Abiy
Lalla Sbibt
Ait Al Ghani
Sidi Mimoun
Qsar Dral
Assif
Ait Sa'id
Tassaftayt
A d a r j
Ait Hammou ou Youssef
Sidi Sma'il
Ait Mançour
Bou Islikhane
Oulighmane
Ait Zid
Ait Lhaj
Bouifigher
Tedawt-n-Ighrem
Ait Moussa ou Ali
Taghbalout n-Sidi Mhammed ou L'arbi
Sidi Boutefrit
Bassin
Maison forestière
Aghbalou Oumlil
Taghbalout Idannal
Sidi Sa'id
Radier
Puits
Ain Al Bida
Wichchou
Aghbalou
60 kV
RN
P 33
B o u i g h i d a n e
Almagh
Ait Ikhlaf
Anc. Tour de Garde
Ahanmar
Sidi Hmad ou Lhaj


HMI-6
Adarj
Oudarj
Bou Ifinar
Tawint-n-Izam
Bou Idar
Adaw ou 'Abdiy
Ilighnane-n-'Amar
Sidi Bou Laqnadil
Alinou Akhatar
Asseka-n-Tabhirt
Bori ruiné
Tawiyat
Amaragh
Ikhf Oughanbou
Aghanbou
Tizi Tazougaght
Bou Lma 'dane
Taskaksout-n-Aït ou Mahfit
Aït Hamou ou Yaussaf
Sidi Sma'il
Aït Bouharine
Moulay Hmad
Aït Mançour
Issamdal Mighamming
Aït Ben Ichchou
Aït 'Alla ou Mimoun
Bouhalçe
Sidi Chrif
Tagaddart
Tamaliant
Digue
Assekas Bou Idem
Anc. carr.
Ichcht
Rabouda
Carrière
Zayda
Mine de Plomb
Soug As Sebt
Pisc.
St pomp.
Rvoir
Micha'bane
Ilighi Iroudane
Tazghout-n-Iziar
Tighbouba-n-Ouzour
Tichout-n-Hsayne
Bou Taqqat
Boussoufalou
Tessaffayt
Amagour
60 kV
Timounach
Bou chakdane
Bou Ibladane
Sidi 'Amar ou 'Ali
Cim.
Aït Houssane
Ighribane
Agalmous
Malwiya
Oued Malwit
Assif-n-Malwit
Sidi Chrif
Tamagart-n-Oublid
Tabou 'yat
Sidi Mimoun
Qcar Blal
Assif
Aït Saïd
Warsif
Anc. Tour de Garde
Aïn Mouliy
Sidi Hassan
P 33
RN
Aït Ikhlaf
Gué
Tissidal
Bou Ilaghriwane
Mikhammassane
Bou Gadjig
Targa-n-Zawit
Talakhbat
Bou Tazart-n-'Arid
Aït Iyach
Bou Issoukad
Ilighi Azougagh
Ikhf Ilighi Azougagh
Bou Tsakourt
Bou Imicha
Sidi Yich
Agourti Izid
Aoulgnadi
Acdar
Bou Lma 'dane
5°
4°55'
4°50'
535
540
545
550


Sdidat
Aboudim
Mitwit
Sdidat
Tichout Niktane
Amrid
Jarf Rawa
Talat n-Ait Sadane
Immayn n-Ait Rahhou
Bou Ikhartam
Jarf Rawa
Awrir-n-Koa
Tichaut-n-Hsayne
Timiloust
Agdar Akouran
Bou Imicha
Bou Tsakourt
Bou Nakhmou
Nsih-n-Taimnavat
Jbel Adarhal
Lidal
Tiwouri
Azougagh
Tebhirt
Towlyat
Bou Tazatt
Rhas
Ouad
Ouisk
Ifurch
Azougagh
Tichout
Ich'ah
Ich Aurhane
Asokur
Jbel Rohairo
Bou Zgou
Bou Tsakourt
Tebhirt-n-Bouagdi
Rhas
60 KV
60 KV
32°50'
32°45'
4°50'
4°45'
4°40'
250
245
240
550
555
560
565