

09913

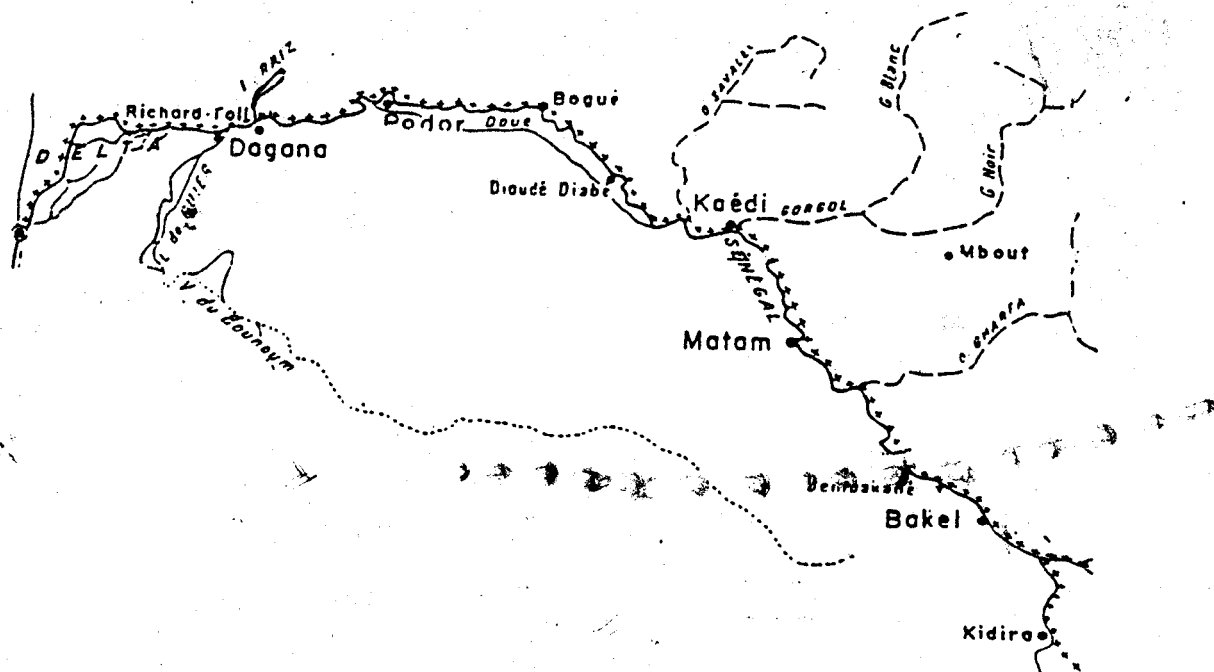
# Organisation pour la Mise en Valeur du Fleuve Sénégal (OMVS)

## Direction des Infrastructures Régionales

Synthèse et Analyse de données hydrogéologiques  
de la moyenne vallée du Fleuve Sénégal

### Rapport Annexe

Organisation pour la Mise en Valeur  
du Fleuve Sénégal (OMVS)  
Haut Commissariat  
Centre Régional de Documentation  
Saint-Louis



par Babacar DIENG  
Ecole Inter-Etats d'Ingénieurs de l'Équipement Rural

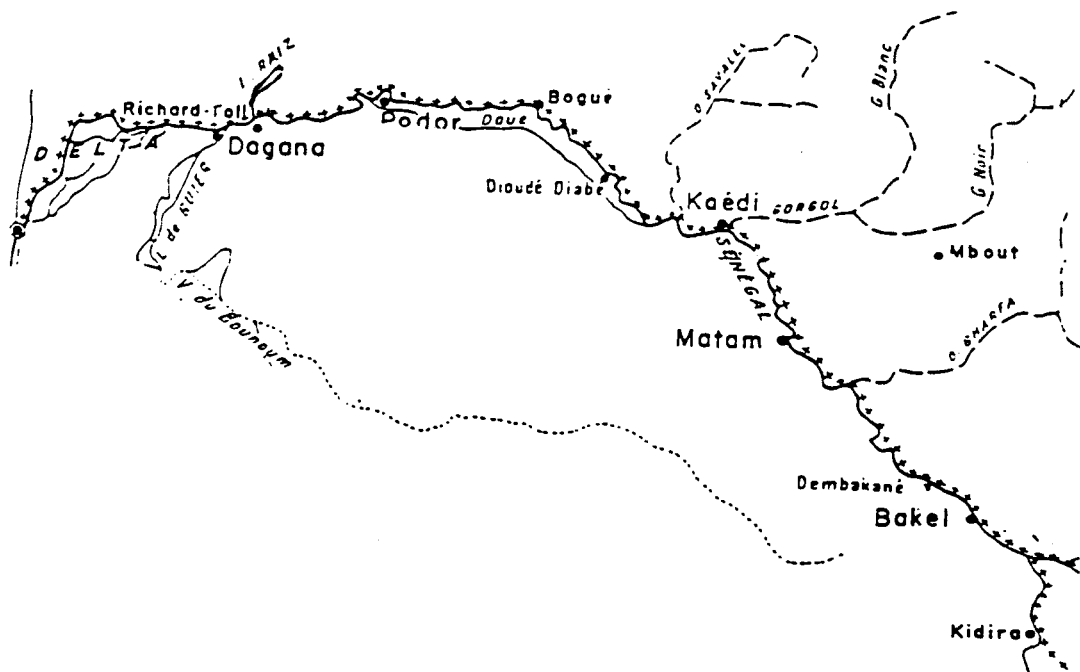
Décembre 1997

# Organisation pour la Mise en Valeur du Fleuve Sénégal (OMVS)

## Direction des Infrastructures Régionales

### Synthèse et Analyse de données hydrogéologiques de la moyenne vallée du Fleuve Sénégal

## Rapport Annexe



par Babacar DIENG  
Ecole Inter-Etats d'Ingénieurs de l'Équipement Rural

Décembre 1997

## Liste des pièces annexes

### **Annexe 1 : Représentation des pluies journalières par année (de 1986 à 1992) dans les 18 stations de la zone d'étude.**

### **Annexe 2 : Synthèse des données limnimétriques**

- Courbe des variations du niveau dans le Fleuve Sénégal de Rosso à Bakel et en aval du barrage de Manantali (soit 9 stations).
- Evolution des niveaux basses eaux et hautes eaux dans le Fleuve Sénégal de Rosso à Bakel (de 1986 à 1993).

### **Annexe 3 : Synthèse des données hydrogéologiques**

Les résultats sont présentés par coupures (14) au 1/50.000 et pour chaque coupure sont fournis :

- une carte de la coupure avec la position des piézomètres, les noms des principales localités et la direction de ligne piézométrique ayant servi à faire l'analyse géologique et piézométrique ;
- une série de courbes de variation du niveau piézométrique dans un échantillon d'ouvrages représentatifs des différentes situations piézométriques possibles.

### **Annexe 4 : Cartes piézométriques des aquifères quaternaires et éocènes**

Pour chaque aquifère sont fournies :

- une carte d'assemblage des différentes zones géographiques ;
- des cartes piézométriques par zones géographiques en période de hautes eaux et de basses eaux ;
- des cartes de fluctuations piézométriques par zones géographiques.

ETREO

2.

### **Annexe 5 : Synthèse des données physico-chimiques**

- Carte de conductivité de la partie Ouest pour les aquifères du quaternaire en 1989 (phase hautes eaux).
- Carte de conductivité de la partie Ouest pour les aquifères du quaternaire en 1989 (phase basses eaux).
- Carte de conductivité de la partie Ouest pour les aquifères de l'Eocène en 1989 (en phases hautes eaux).
- Carte de conductivité de la partie Ouest pour les aquifères de l'Eocène en 1989 (en phases basses eaux).

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**N.B. :** Pour des raisons liées au logiciel de confection des cartes et au souci d'avoir des cartes avec des courbes représentatives des mesures, les différentes cartes sont fournies par coupures.

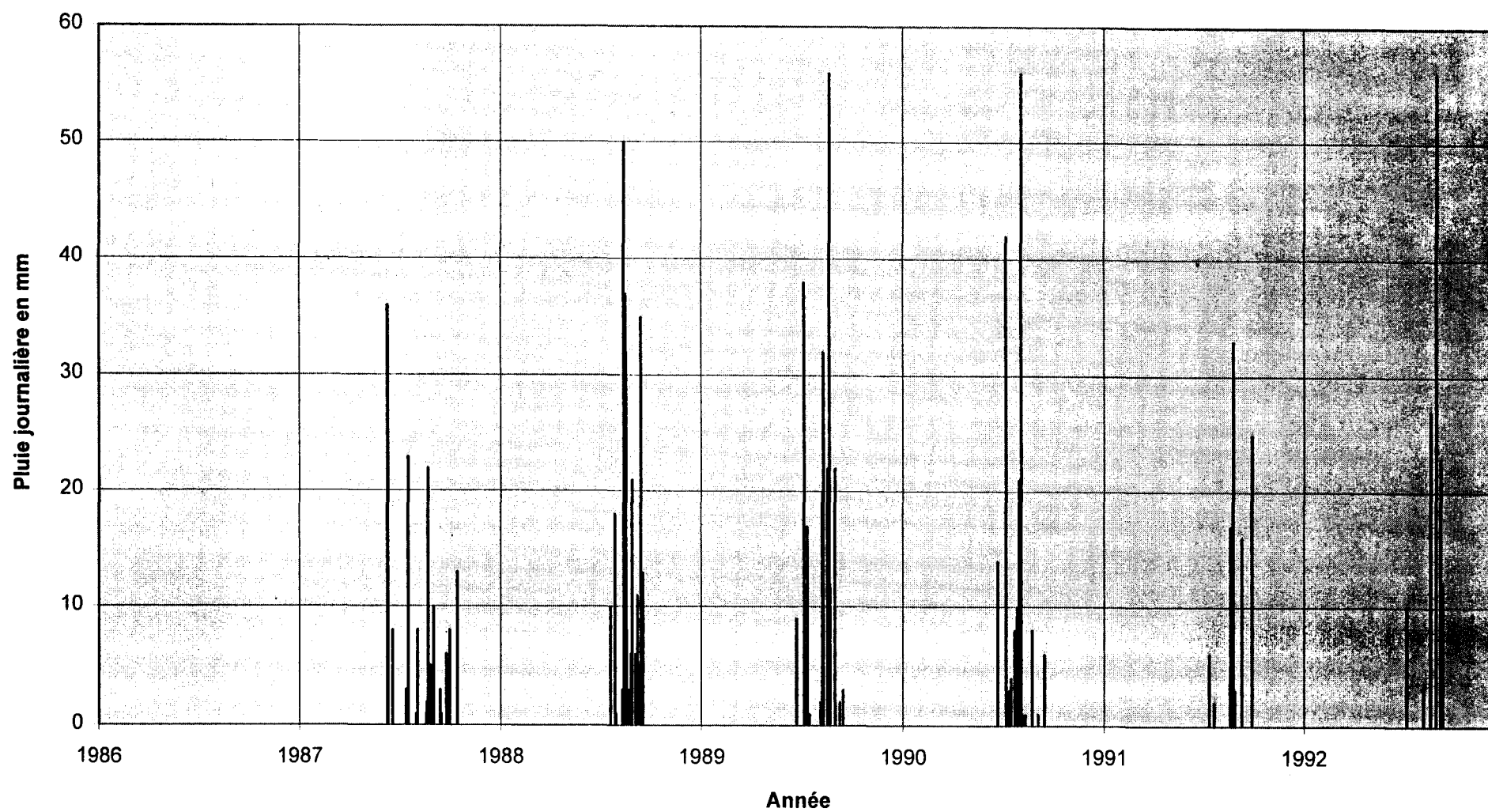


# Annexe 1

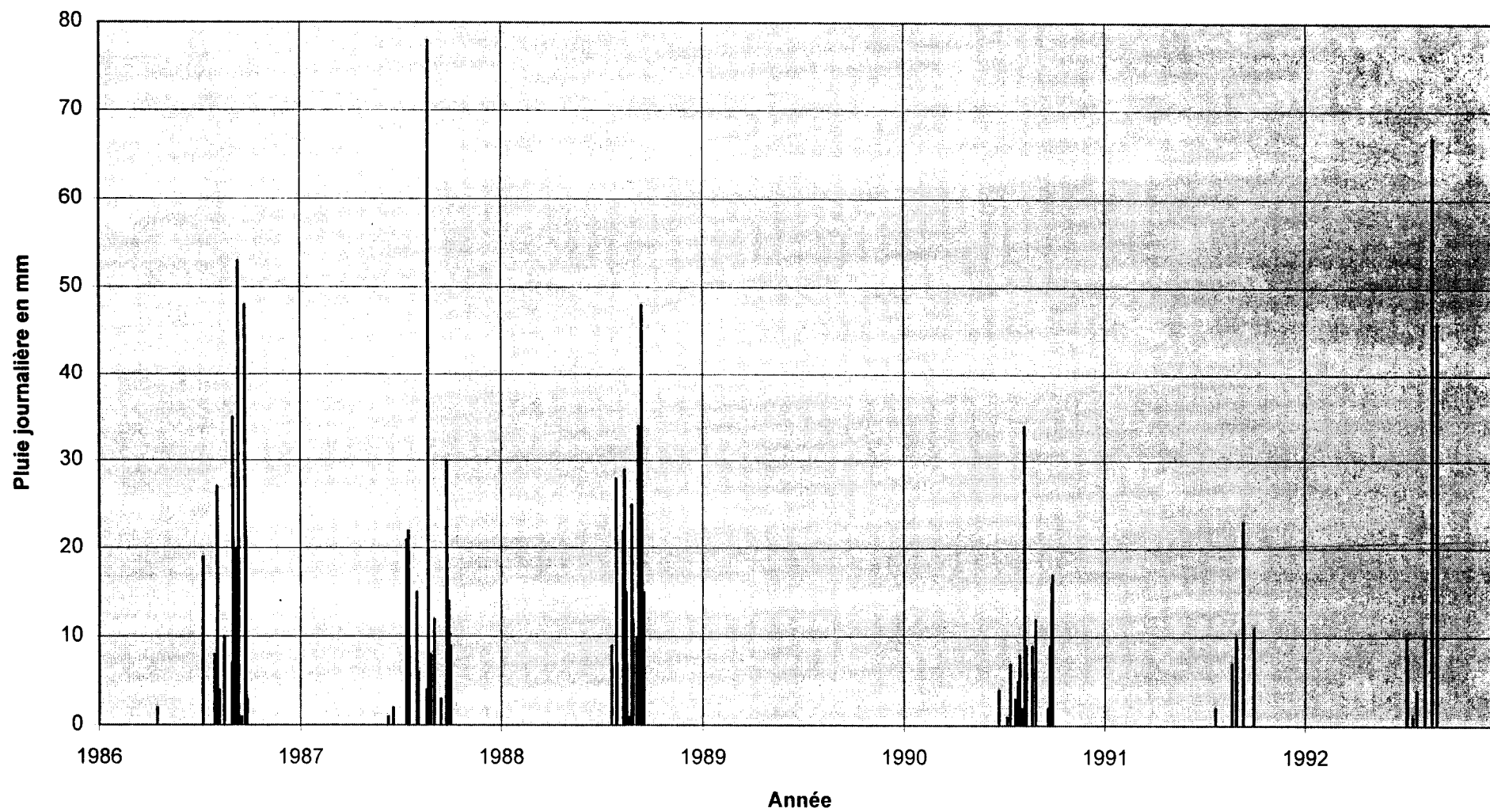
## Représentation des pluies journalières

par année (de 1986 à 1992) dans les 18 stations de la zone d'étude

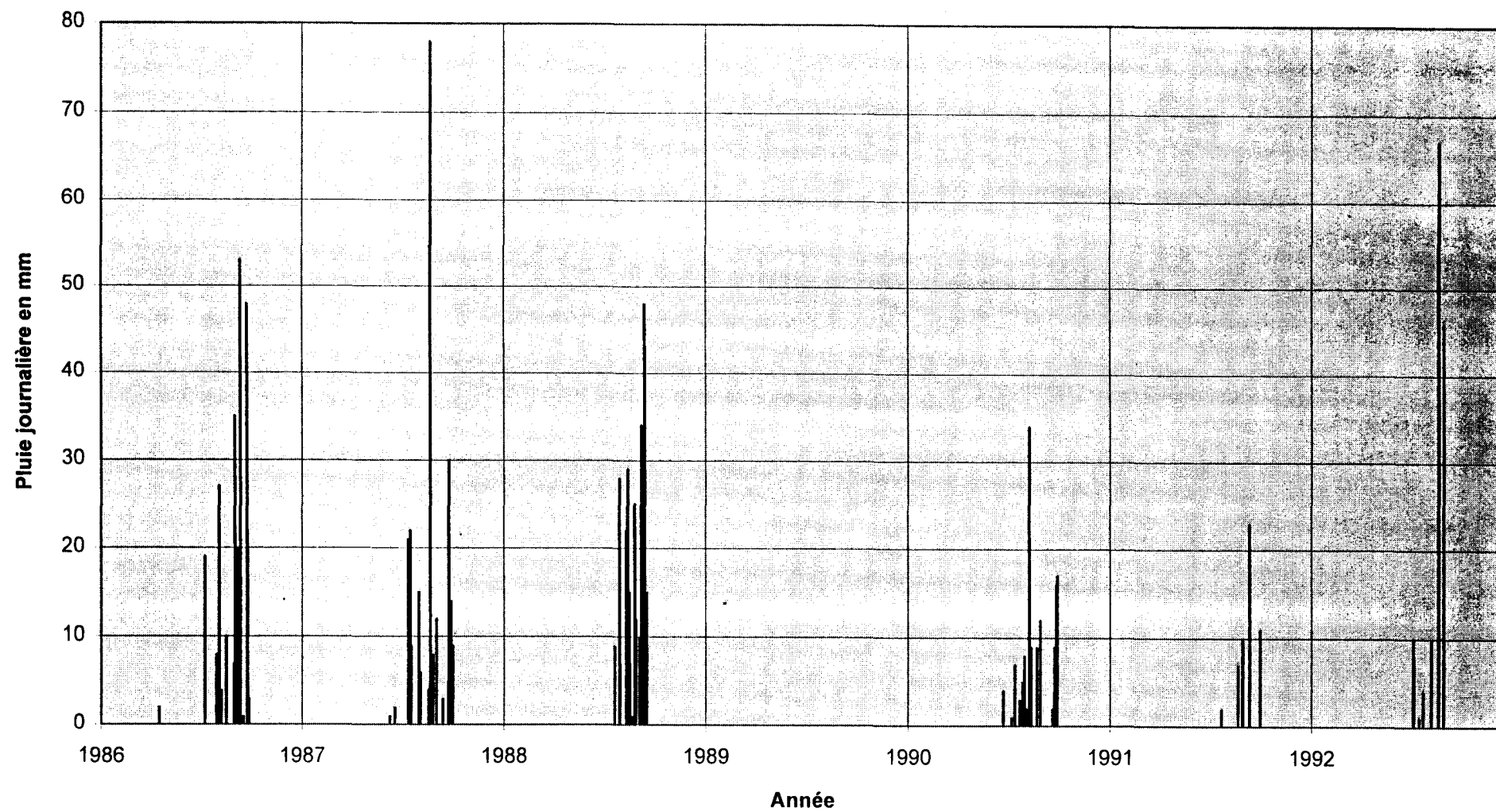
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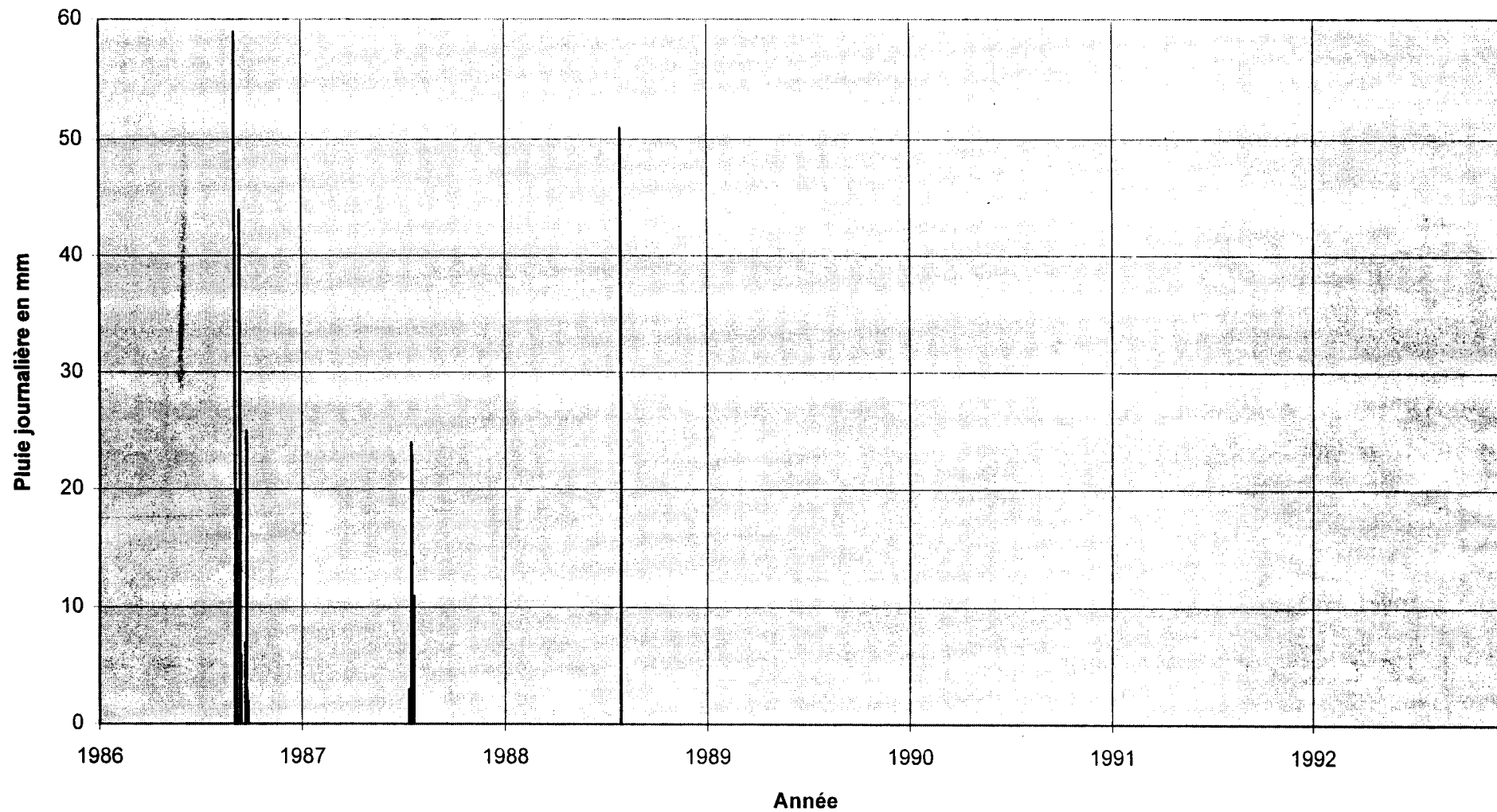
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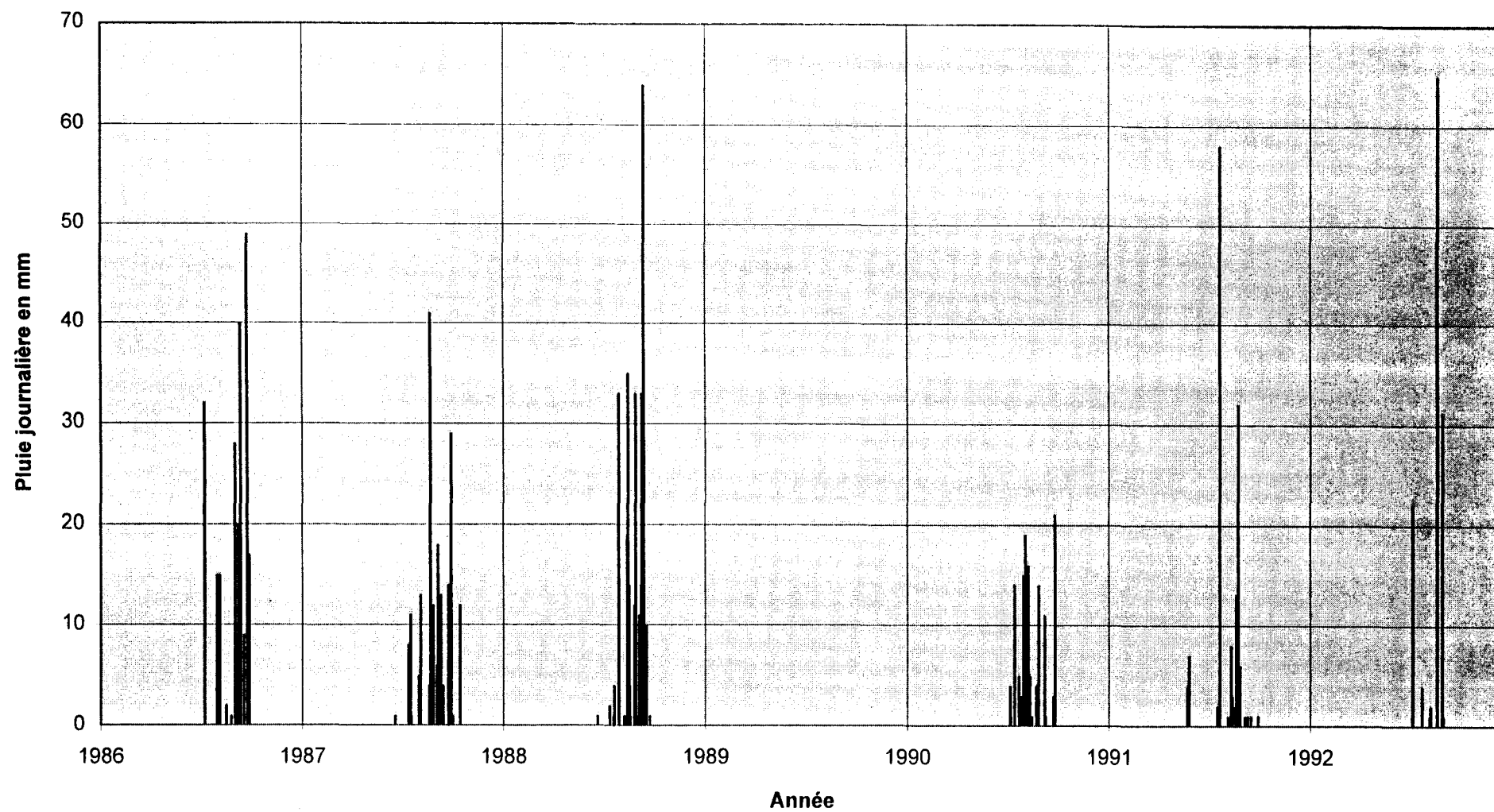
### Relevé pluviométrique - Poste 17 - Fanaye Dieri



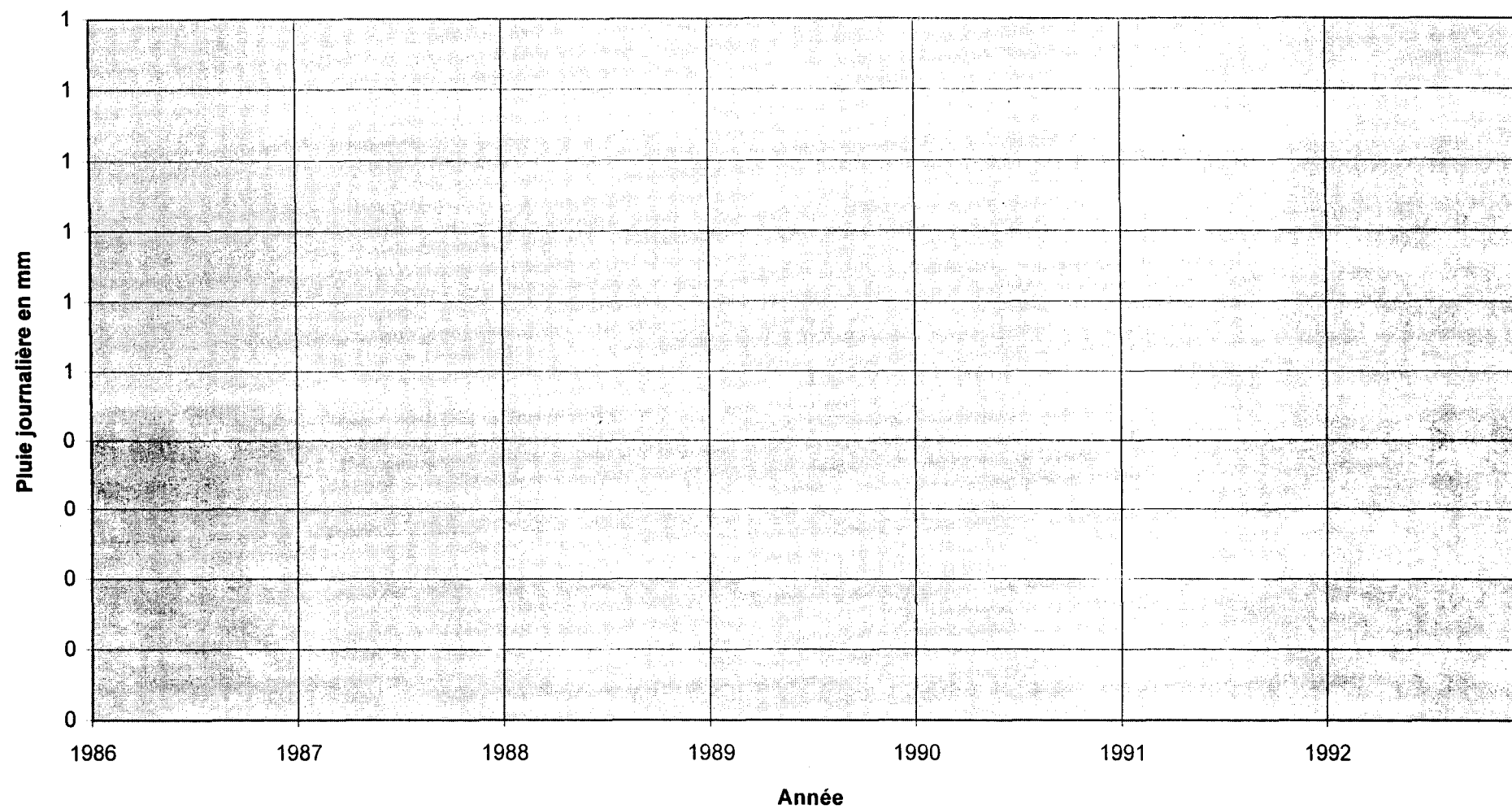
### Relevé pluviométrique - Poste 18 - Tilde Boubacar



### Relevé pluviométrique - Poste 19 - Podor

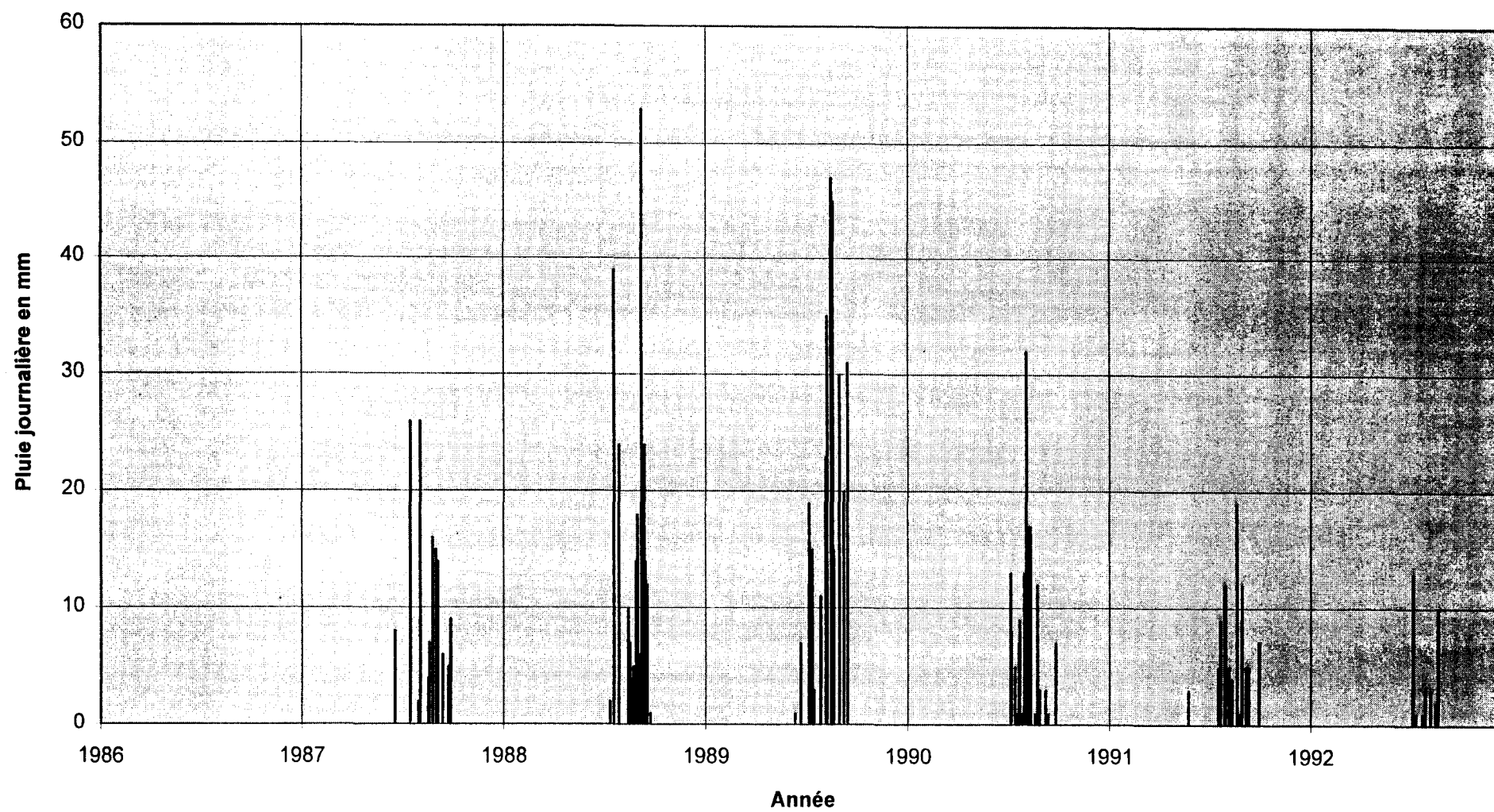


### Relevé pluviométrique - Poste 20 - Guede chantier



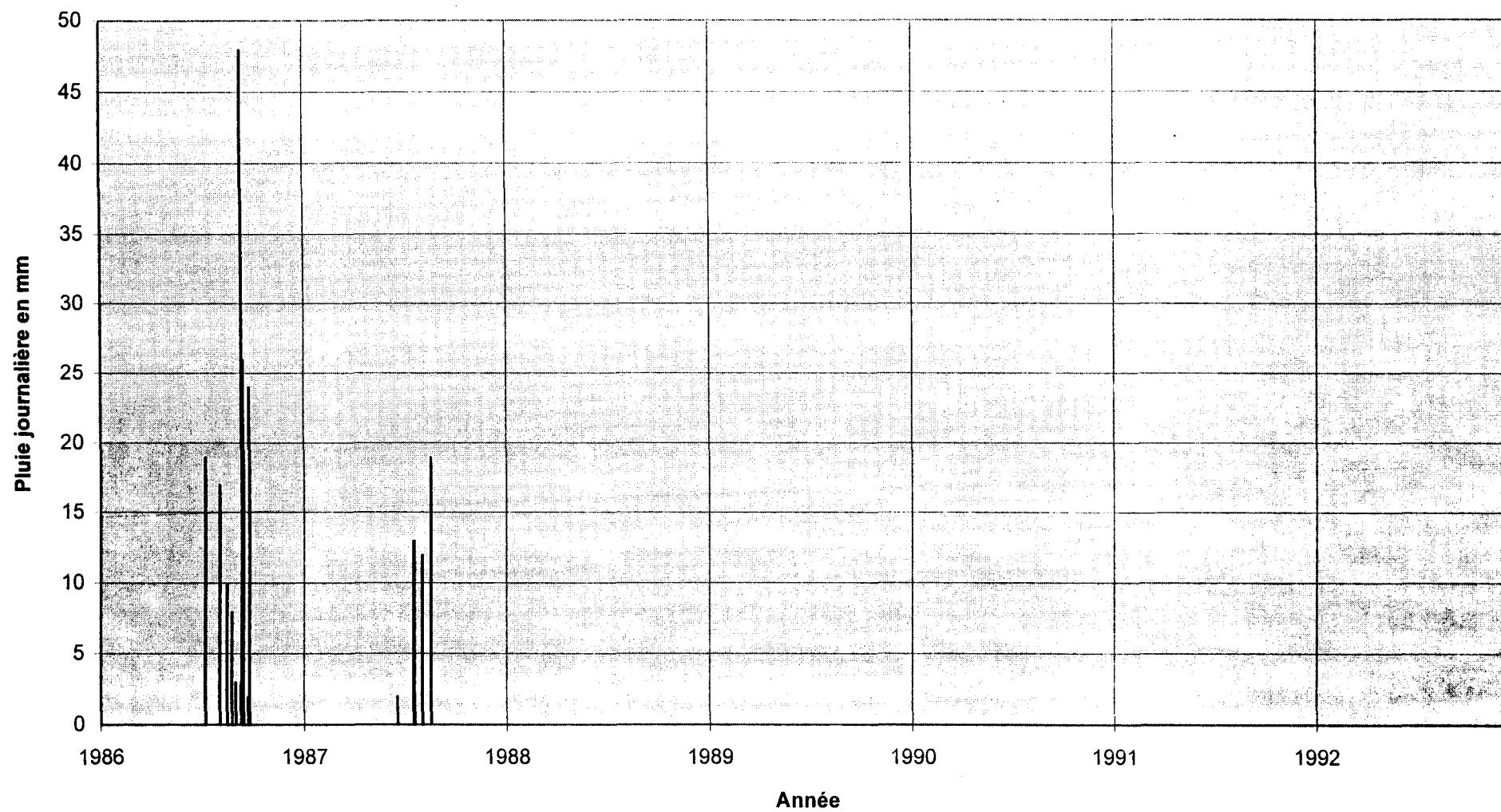


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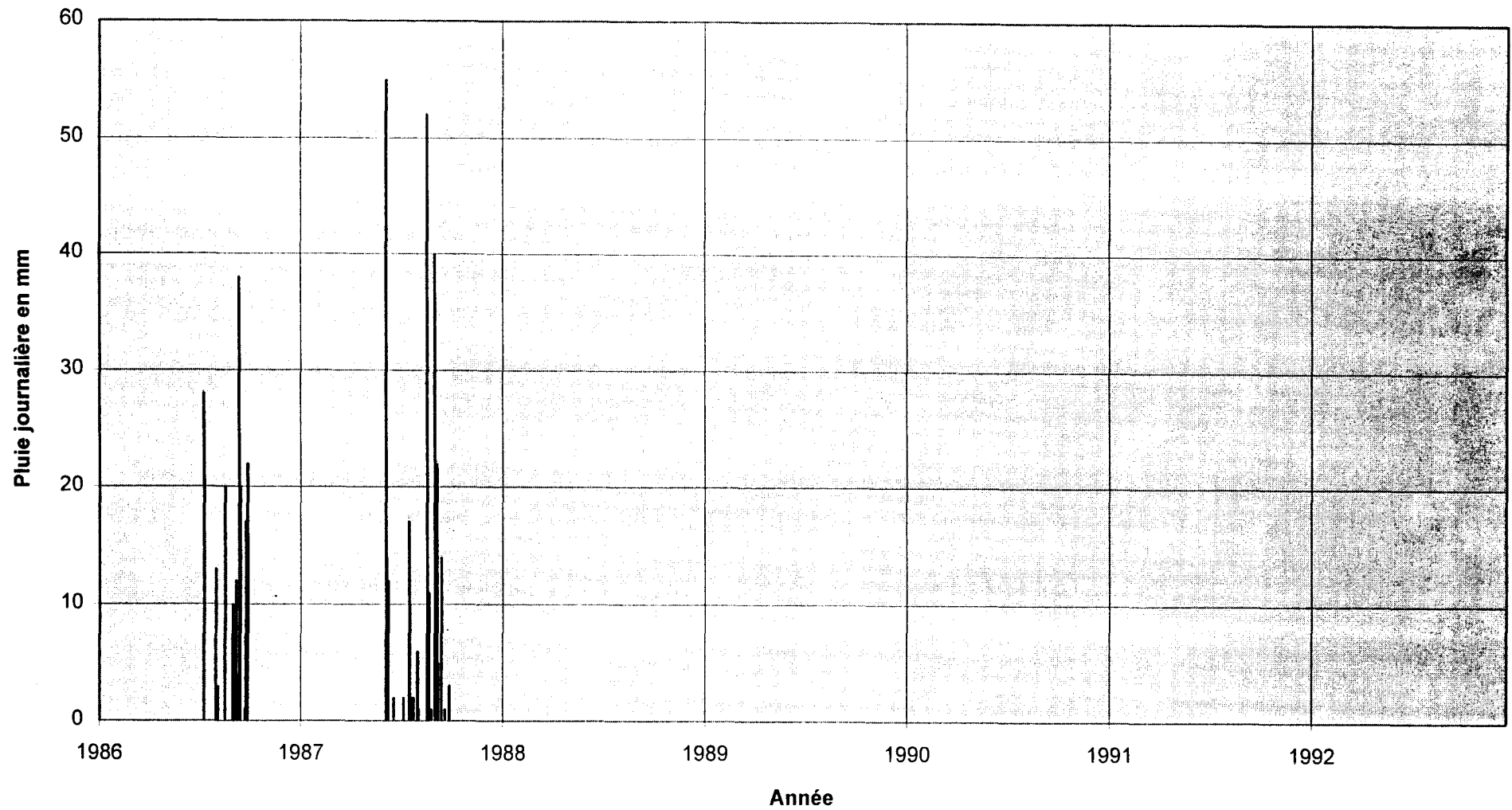




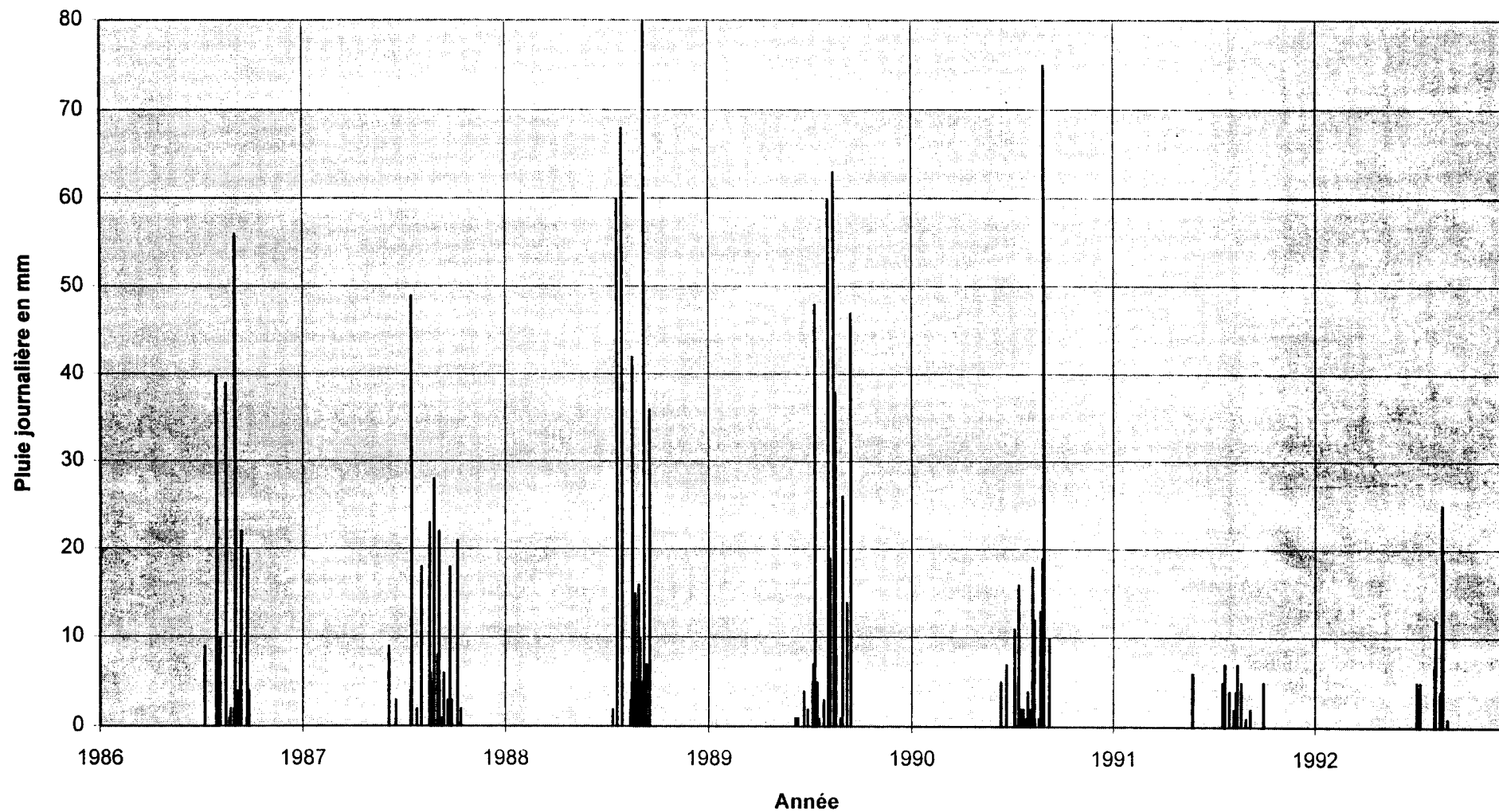
### Relevé pluviométrique - Poste 22 - Boghe



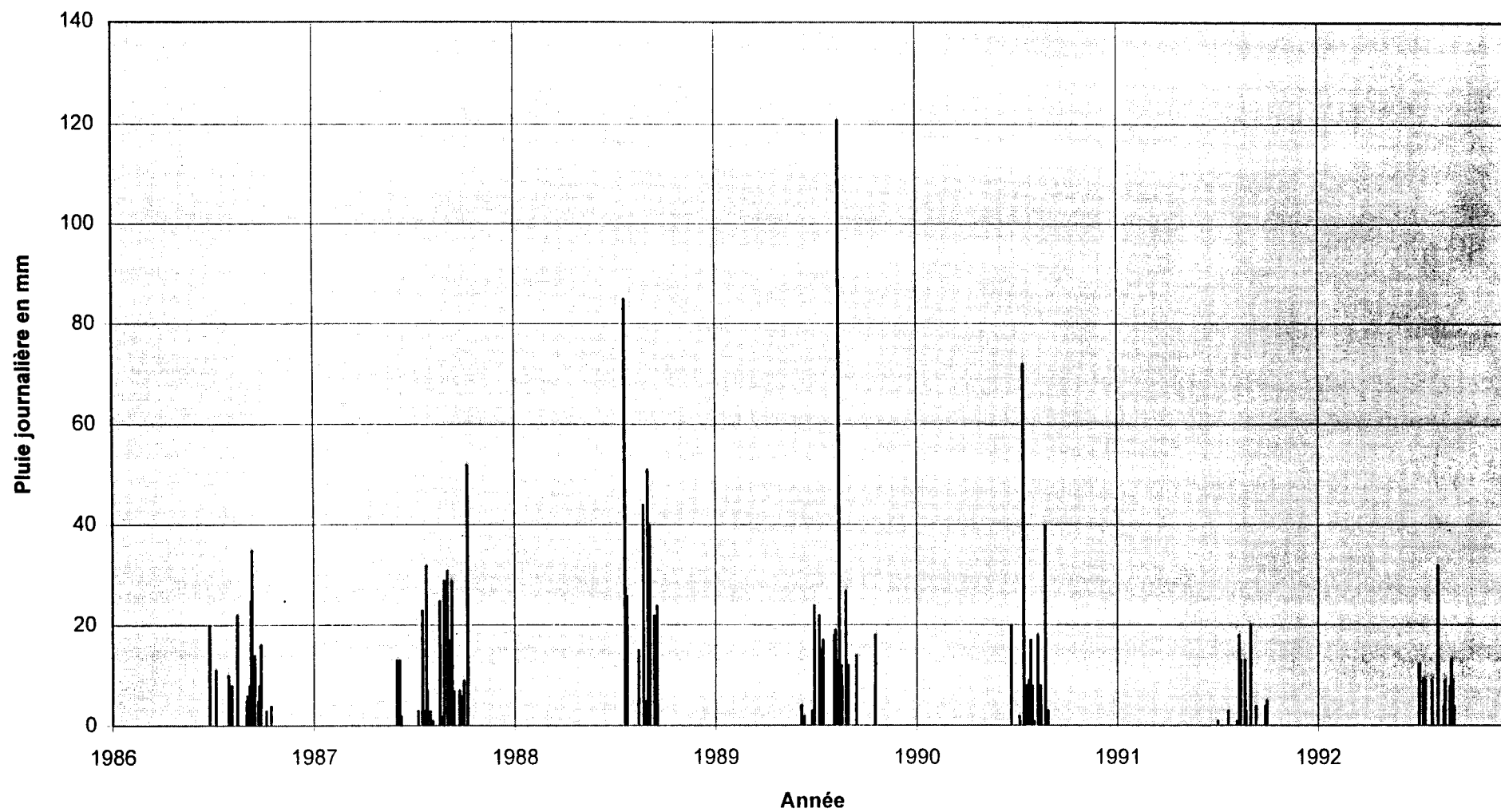
### Relevé pluviométrique - Poste 23 - Kaedi



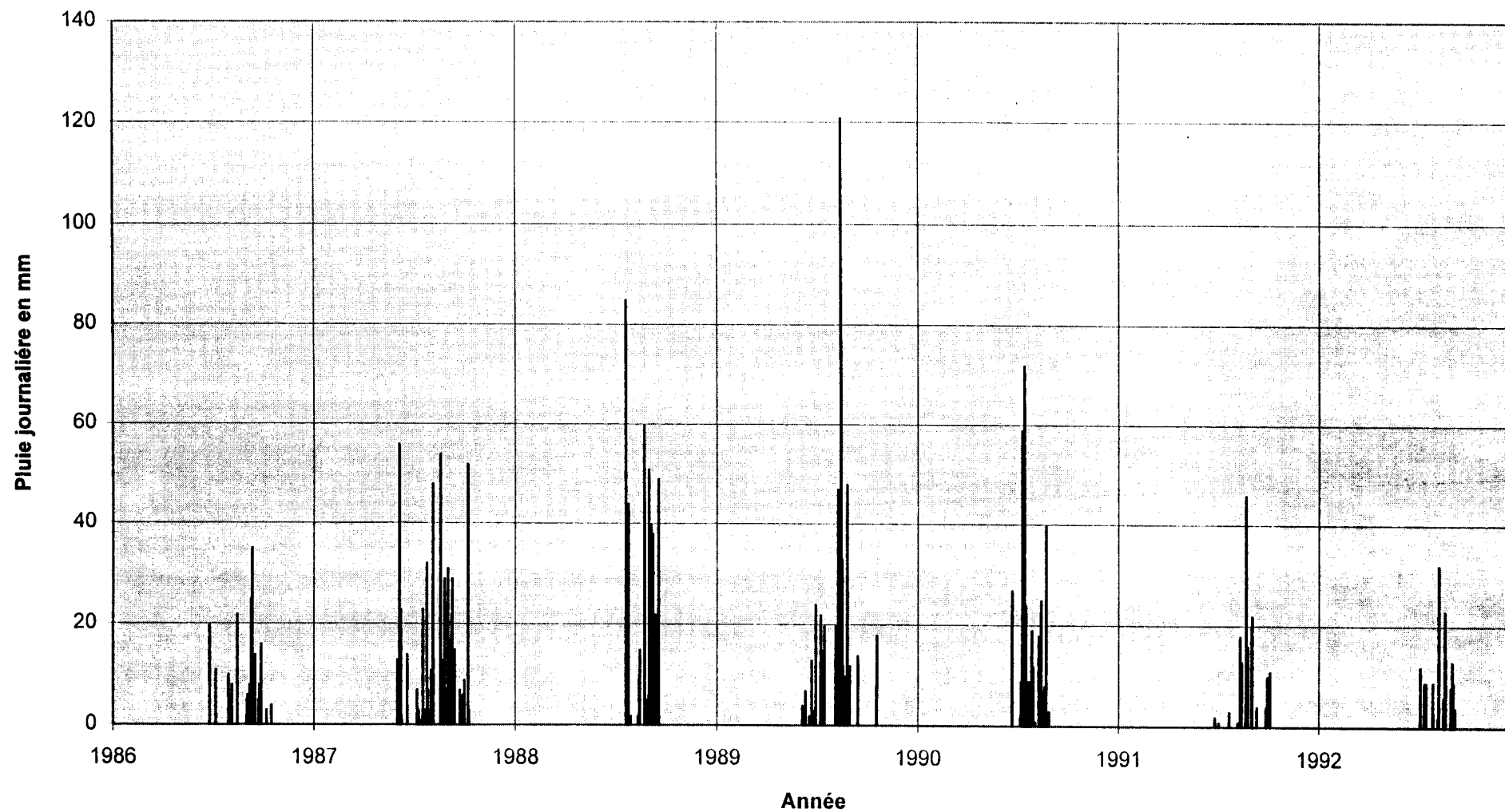
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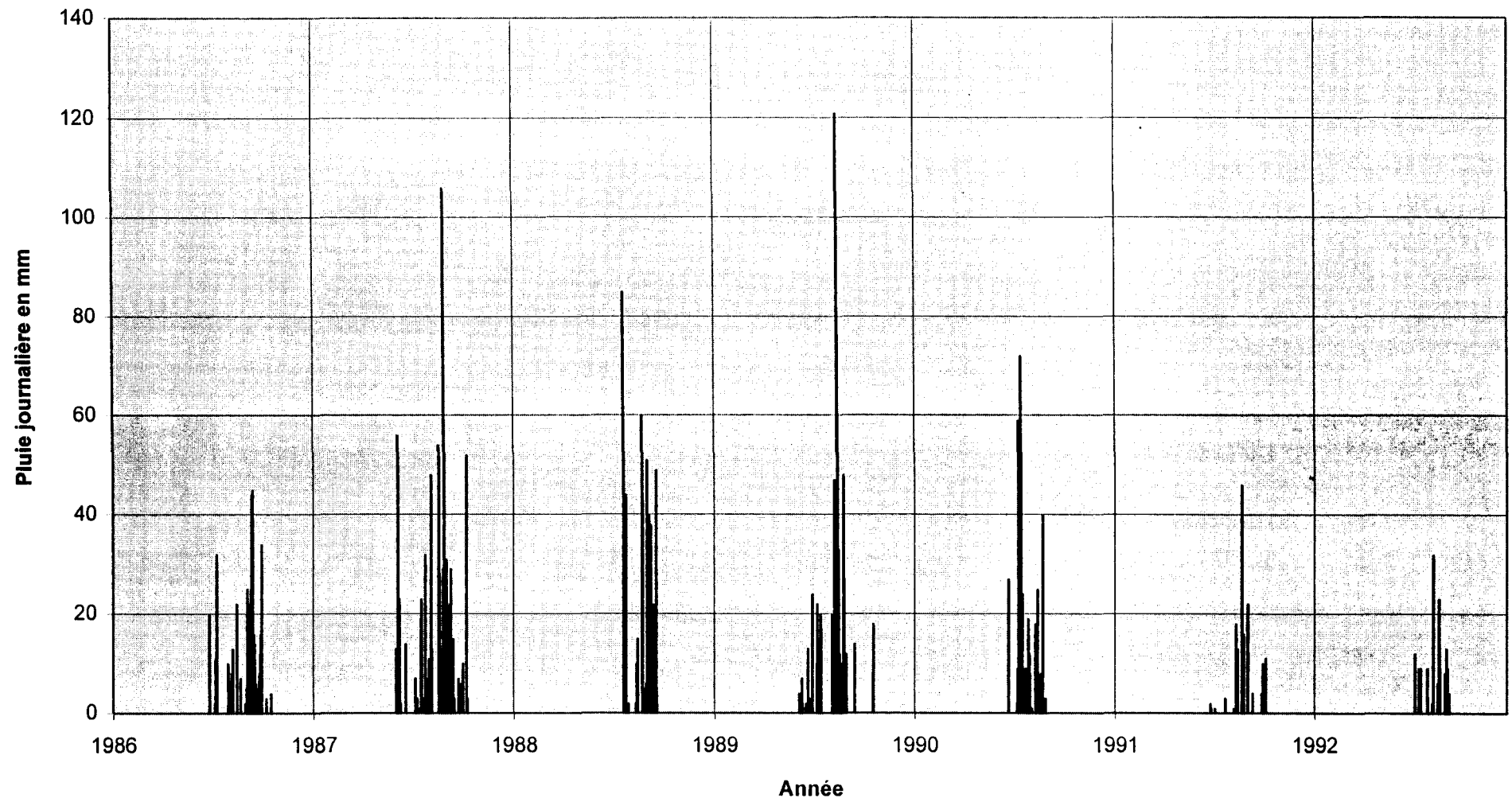
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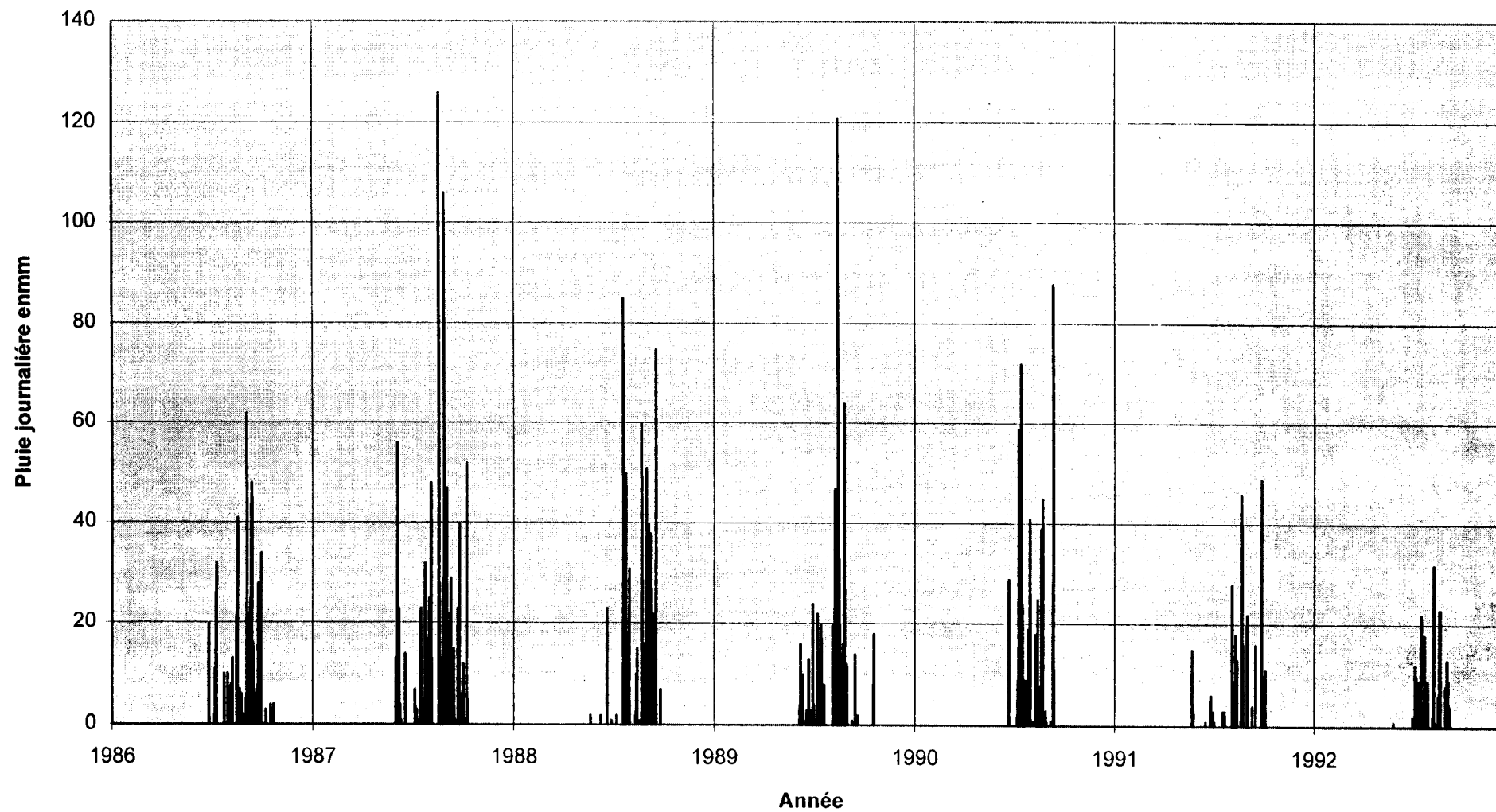
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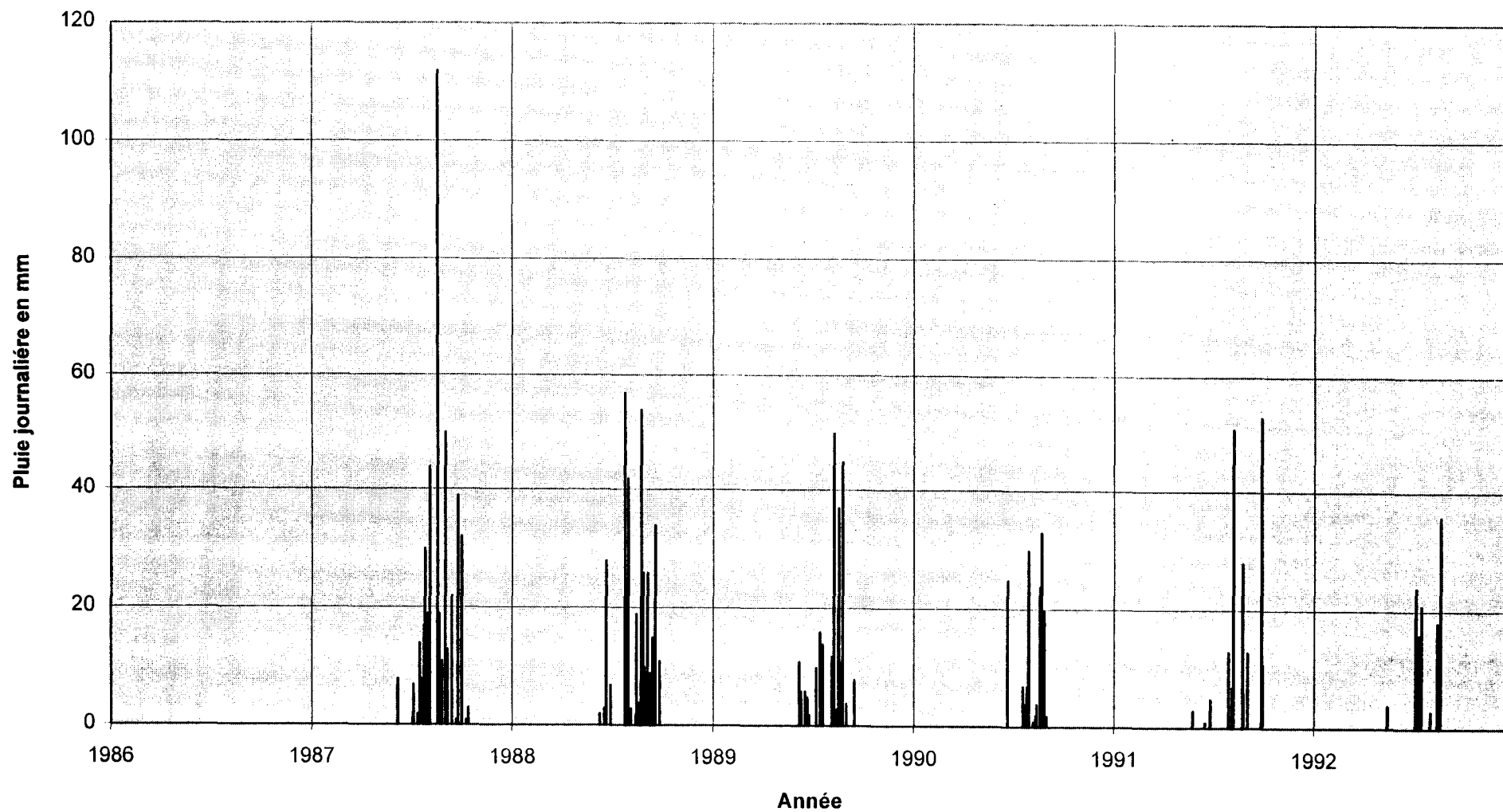
### Relevé pluviométrique - Poste 27 - Salde



### Relevé pluviométrique - Poste 28 Matam

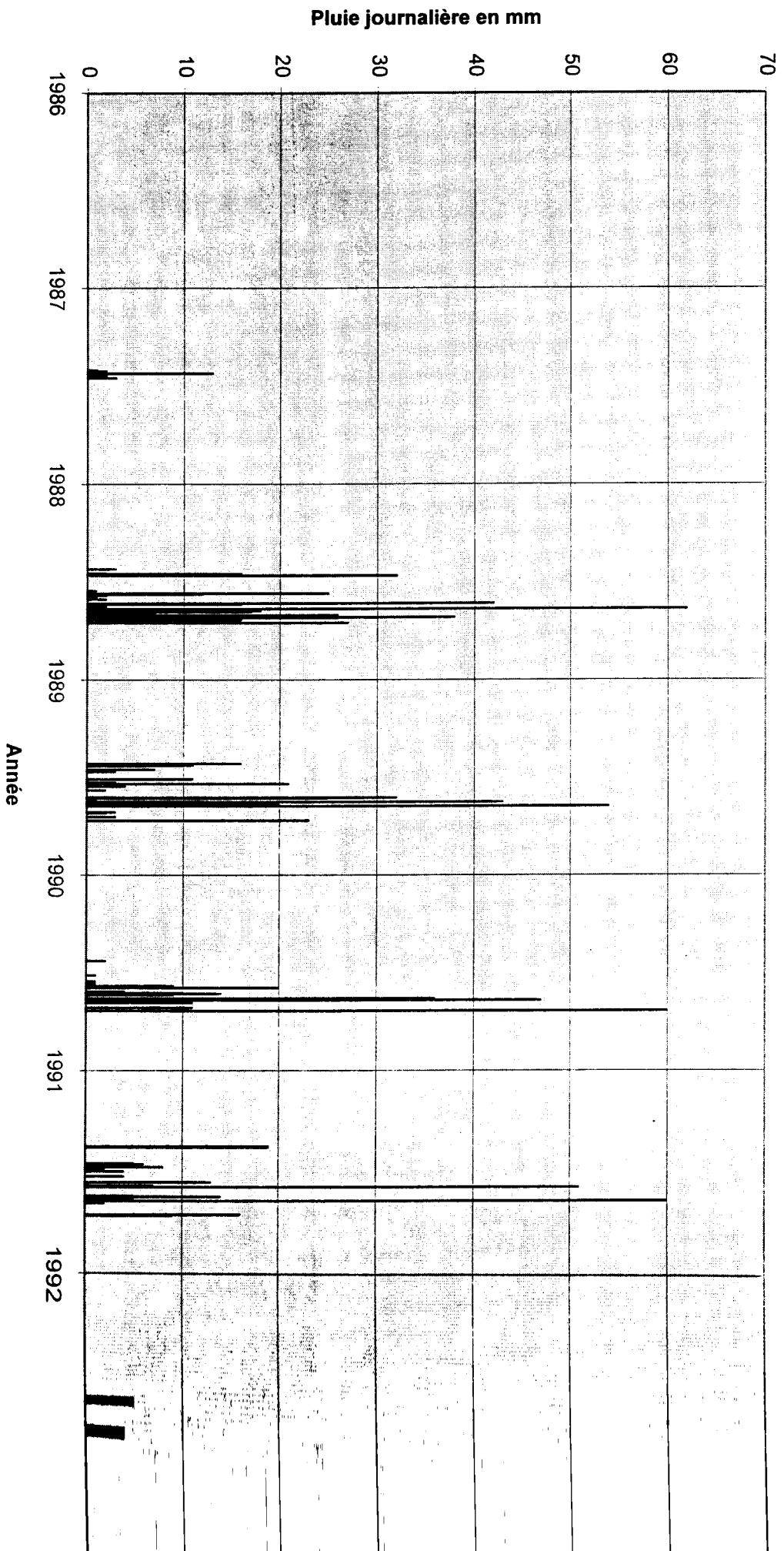


### Relevé pluviométrique - Poste 29 - Ourossoqui

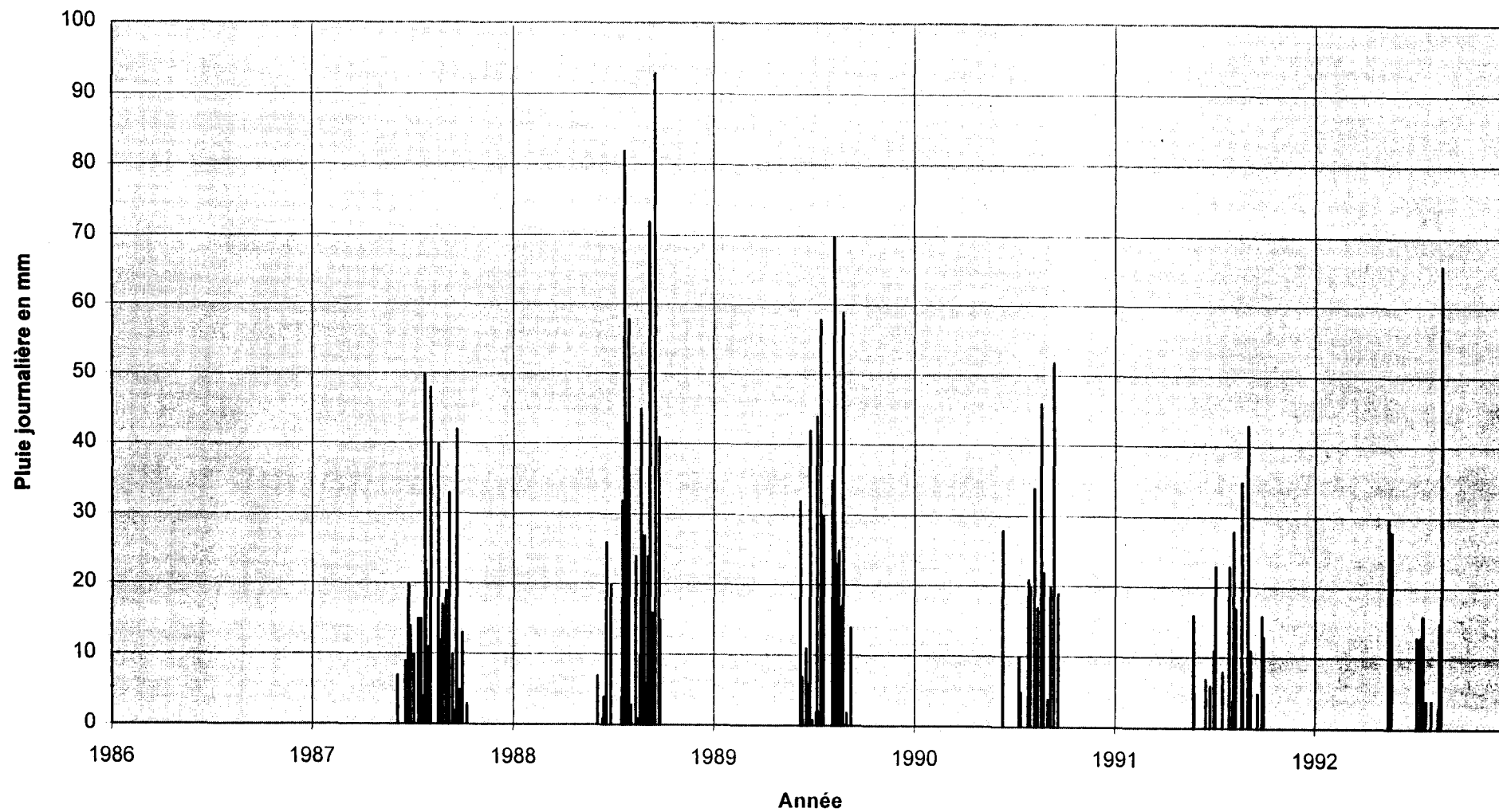




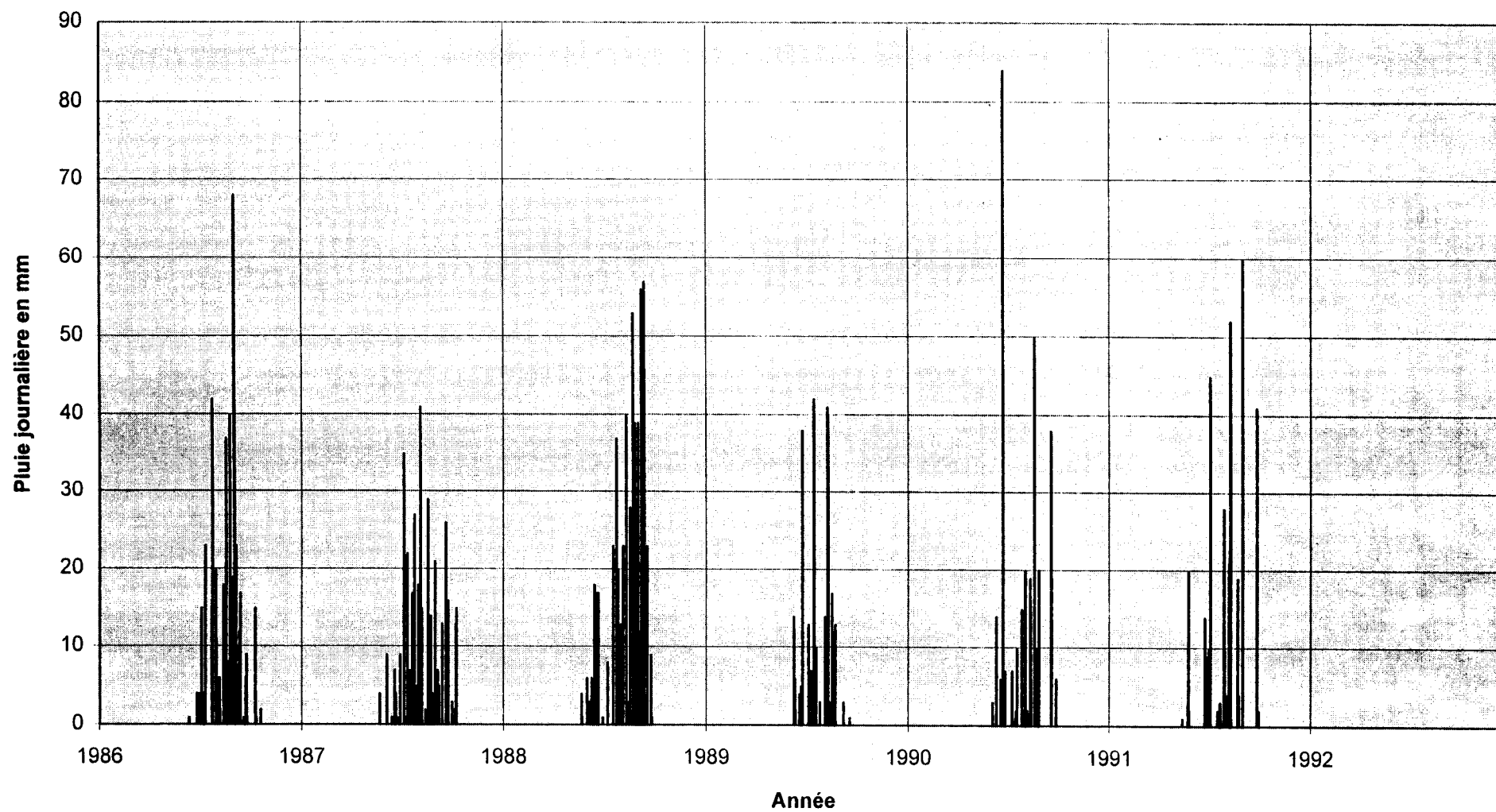
**Relevé pluviométrique - Poste 30 - Kanel**



### Relevé pluviométrique - Poste 31 - Seme



# Relevé pluviométrique - Poste 32 - Bakel

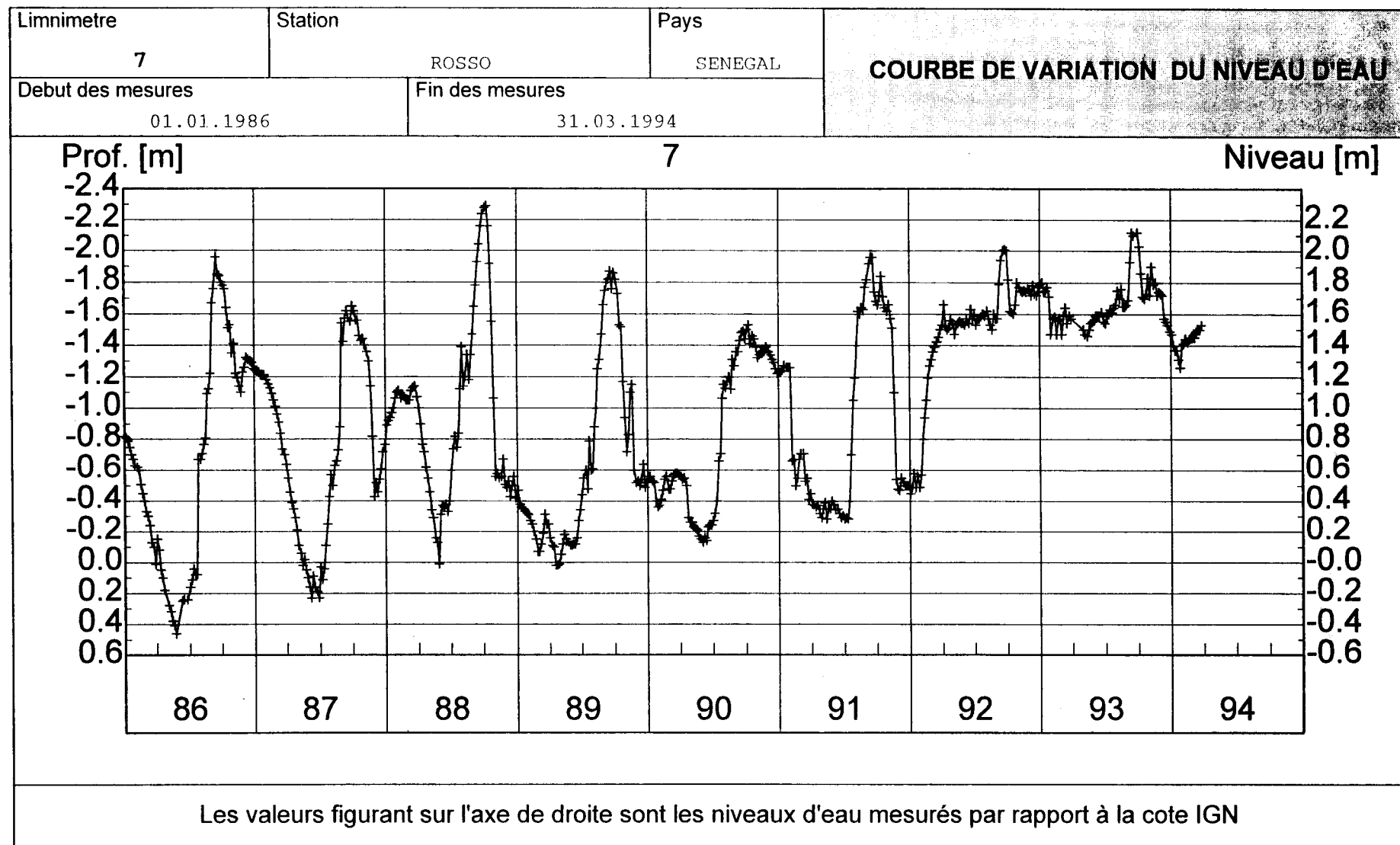


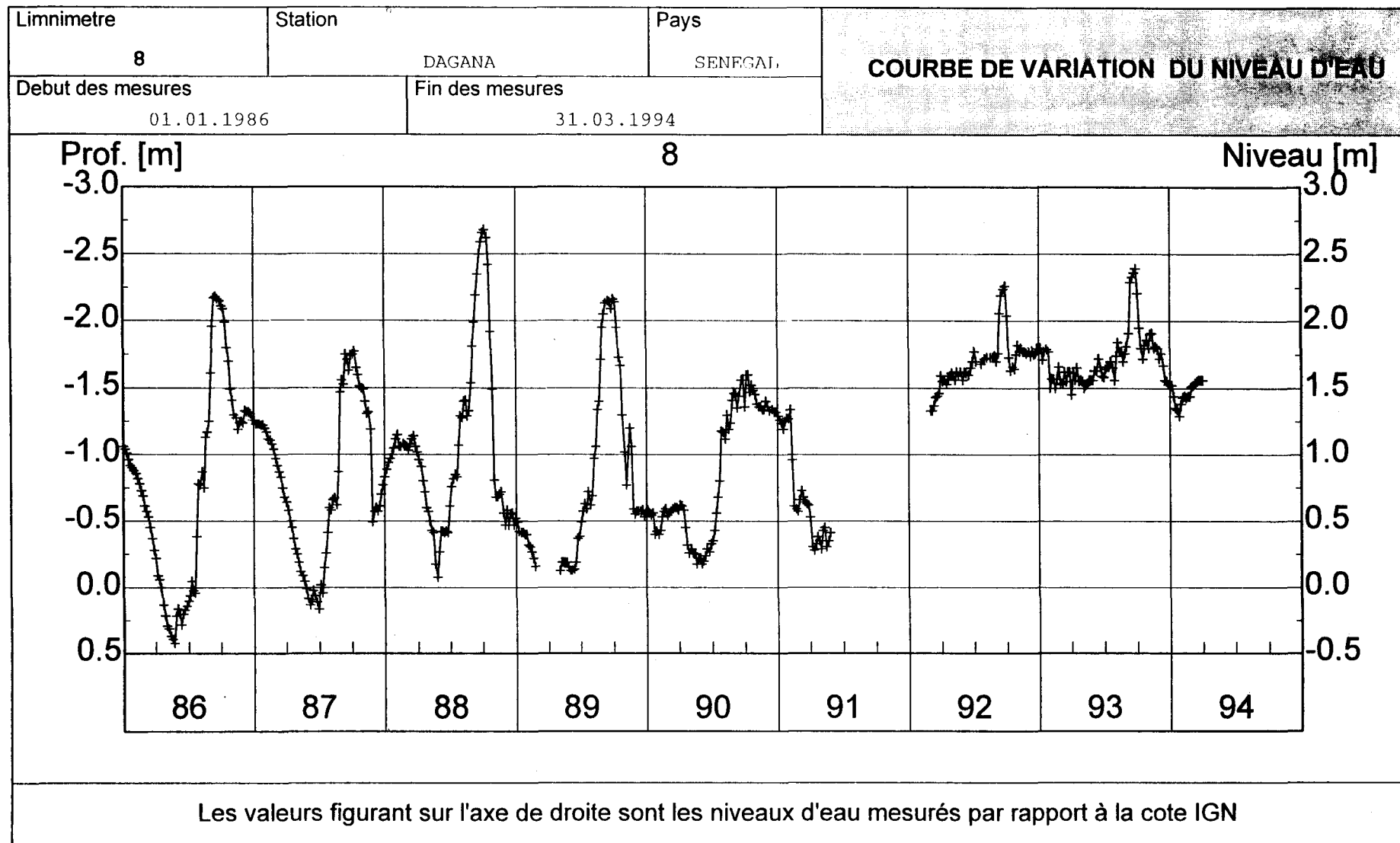
# Annexe 2

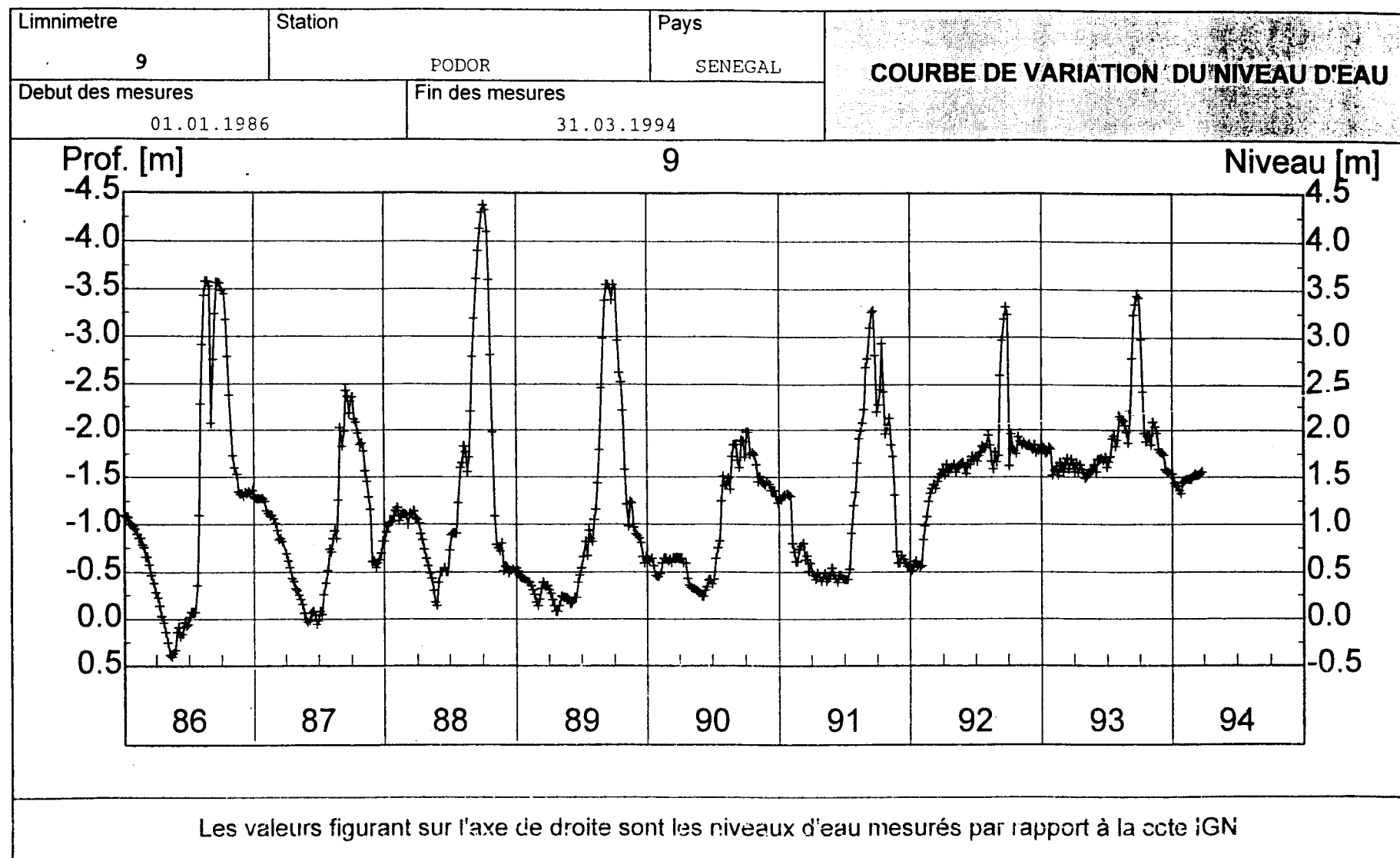
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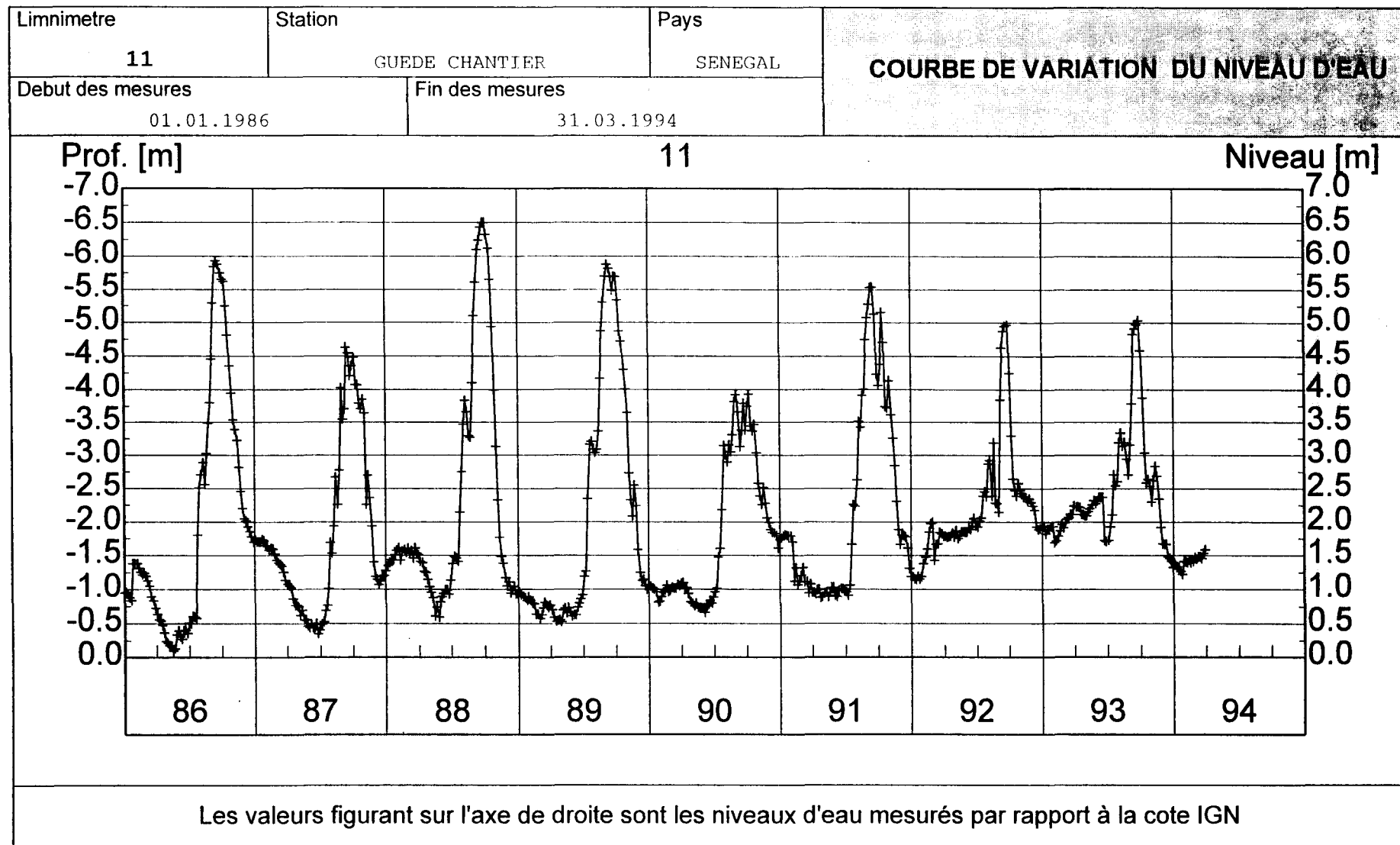


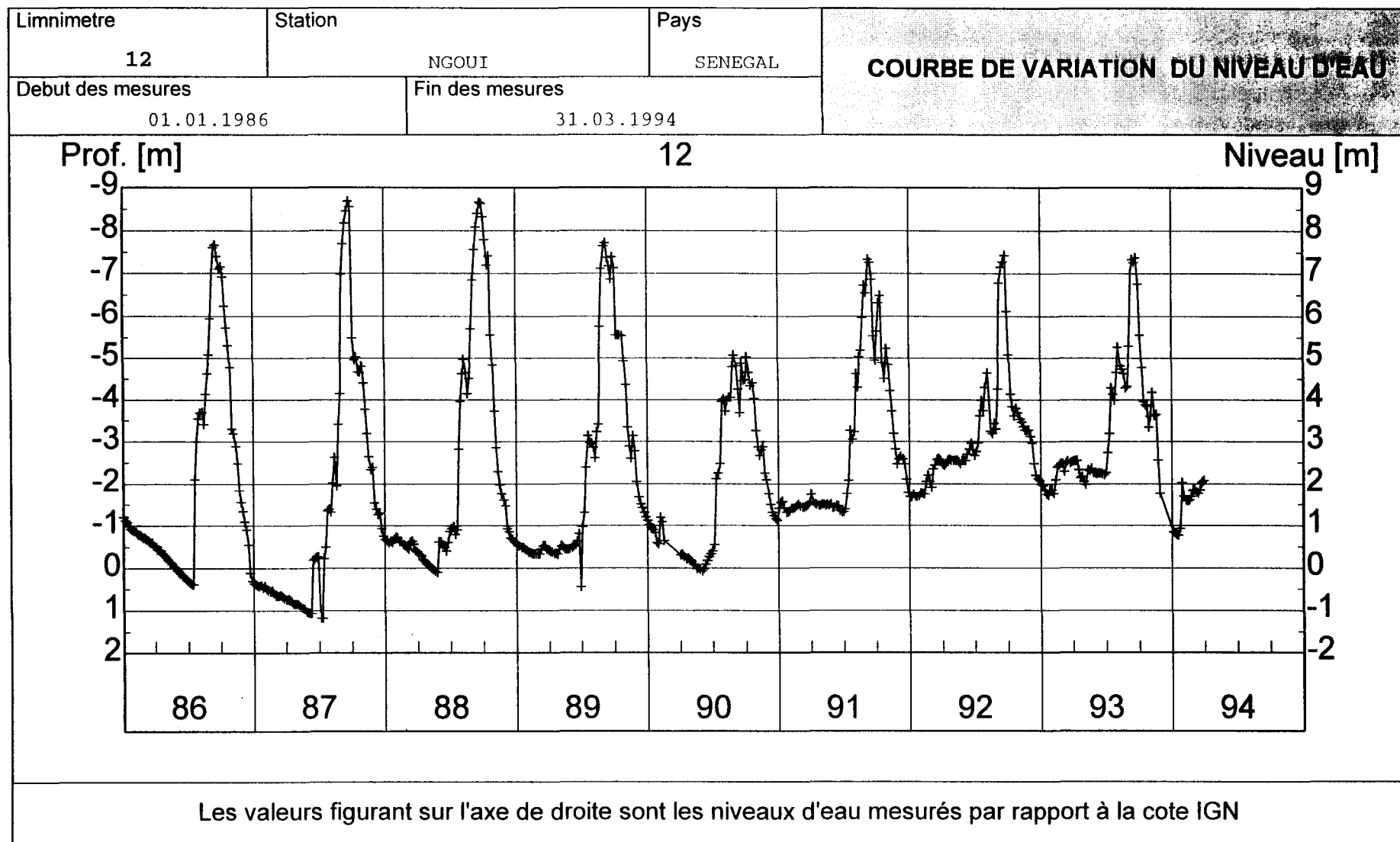


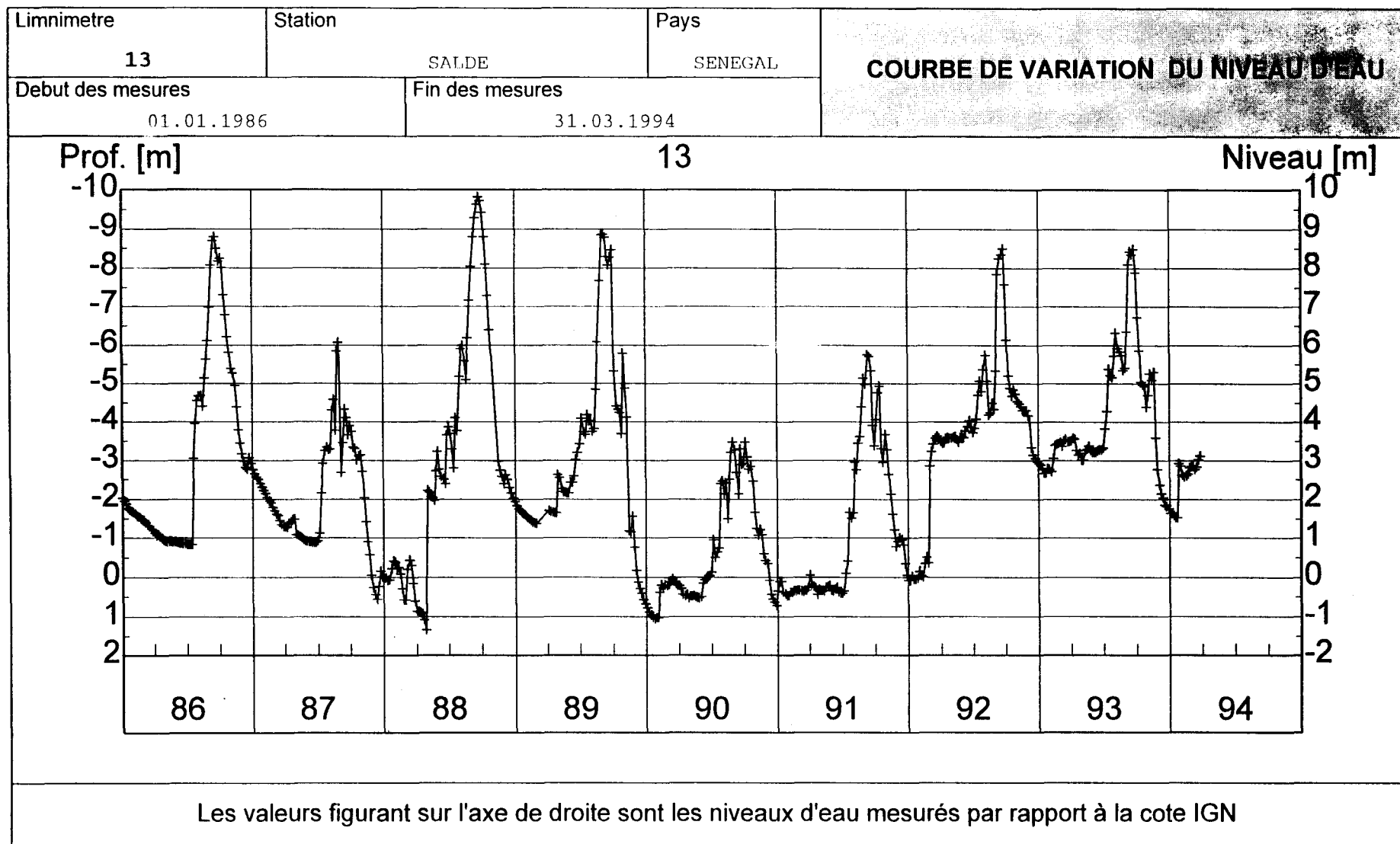


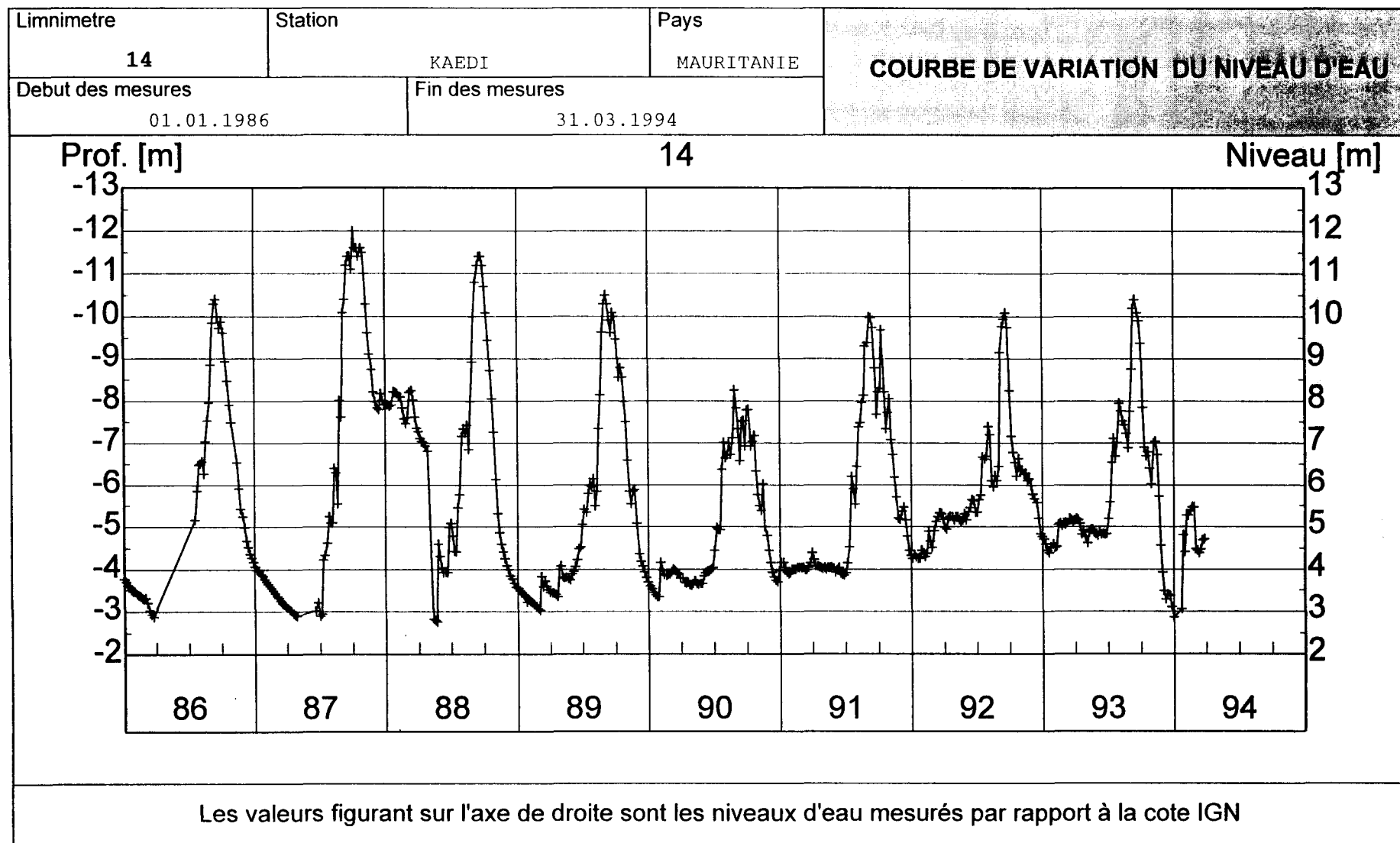


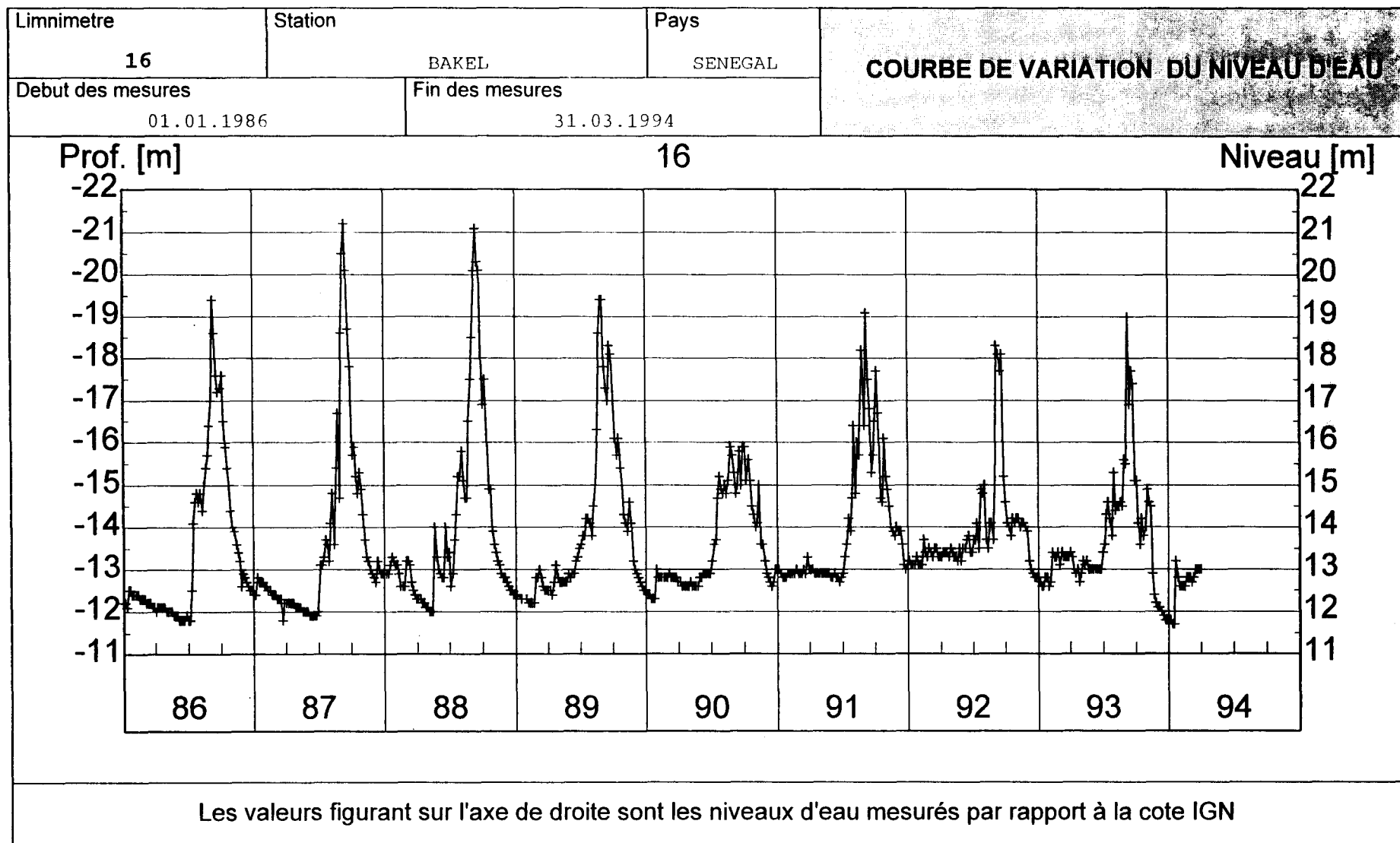


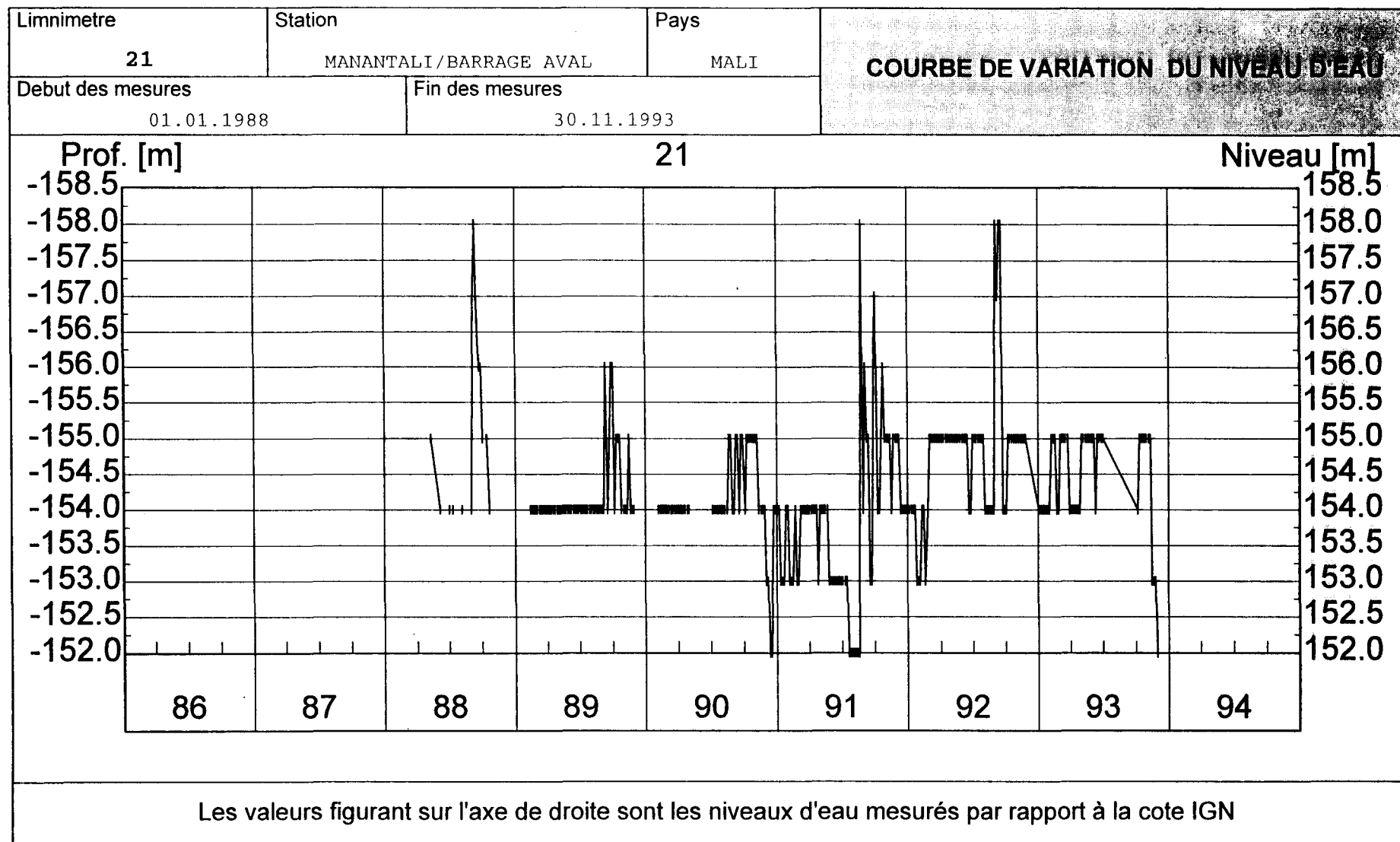




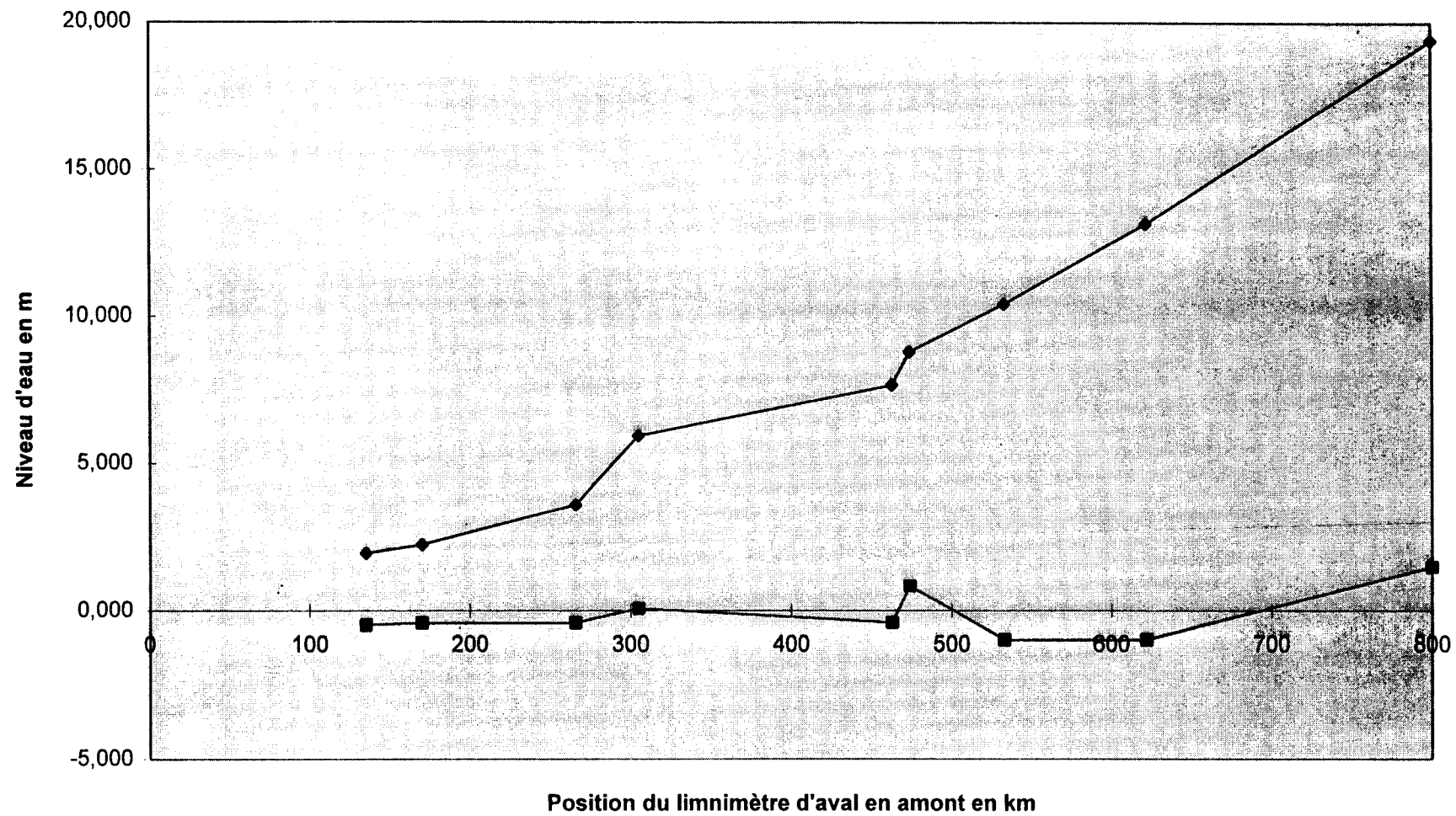




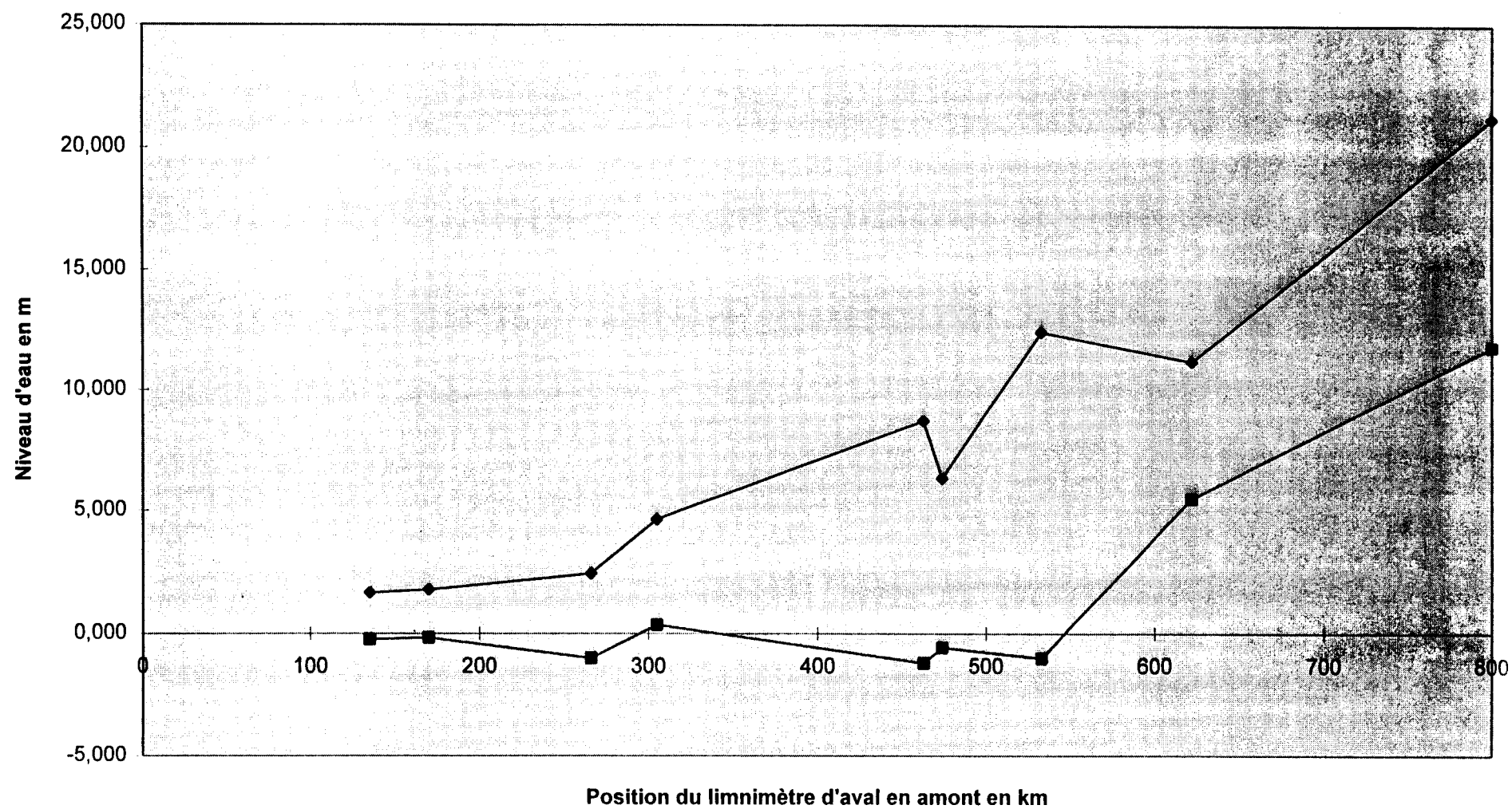




### Evolution des niveaux basses et hautes eaux d'aval en amont en 1986

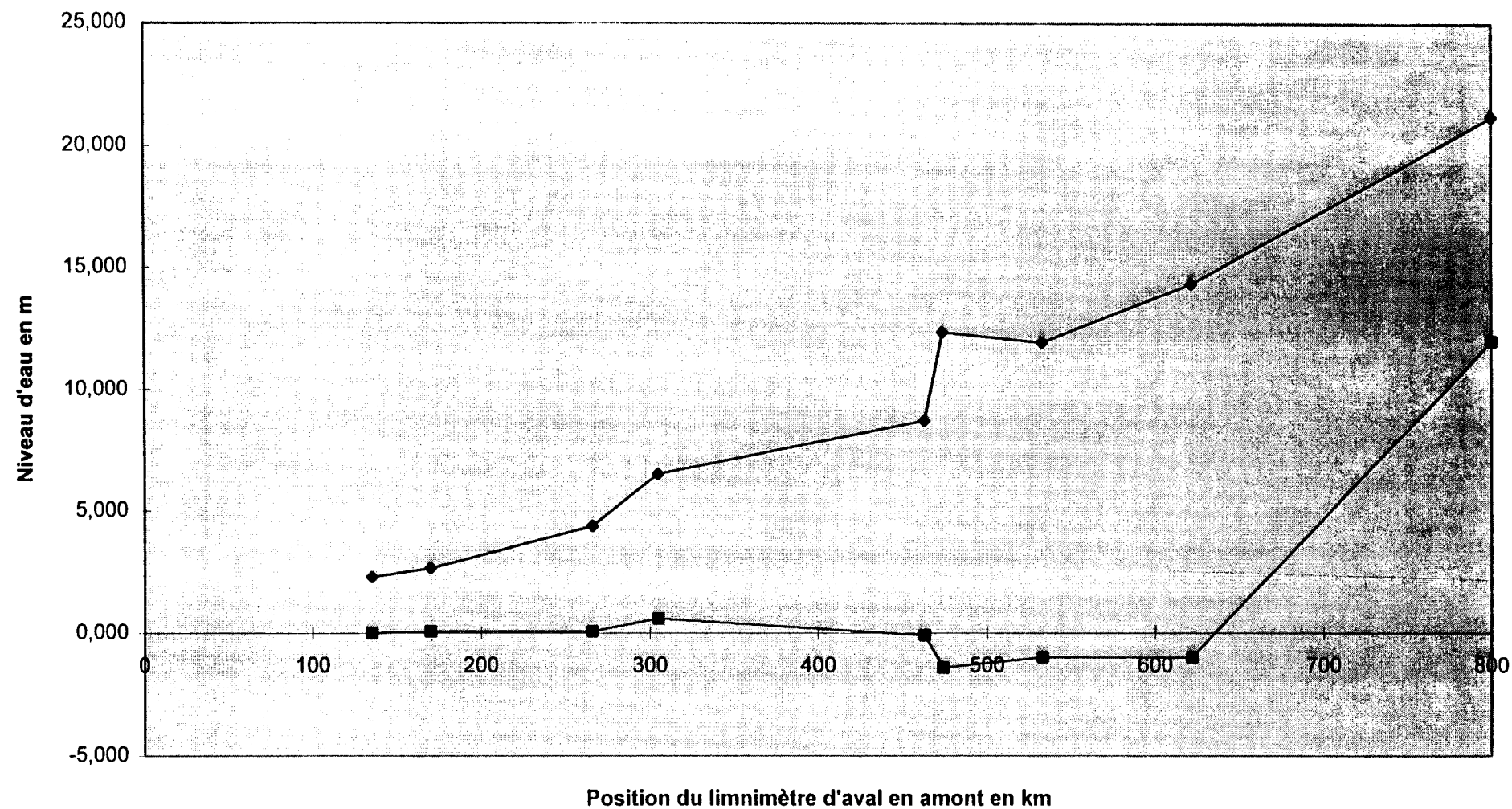


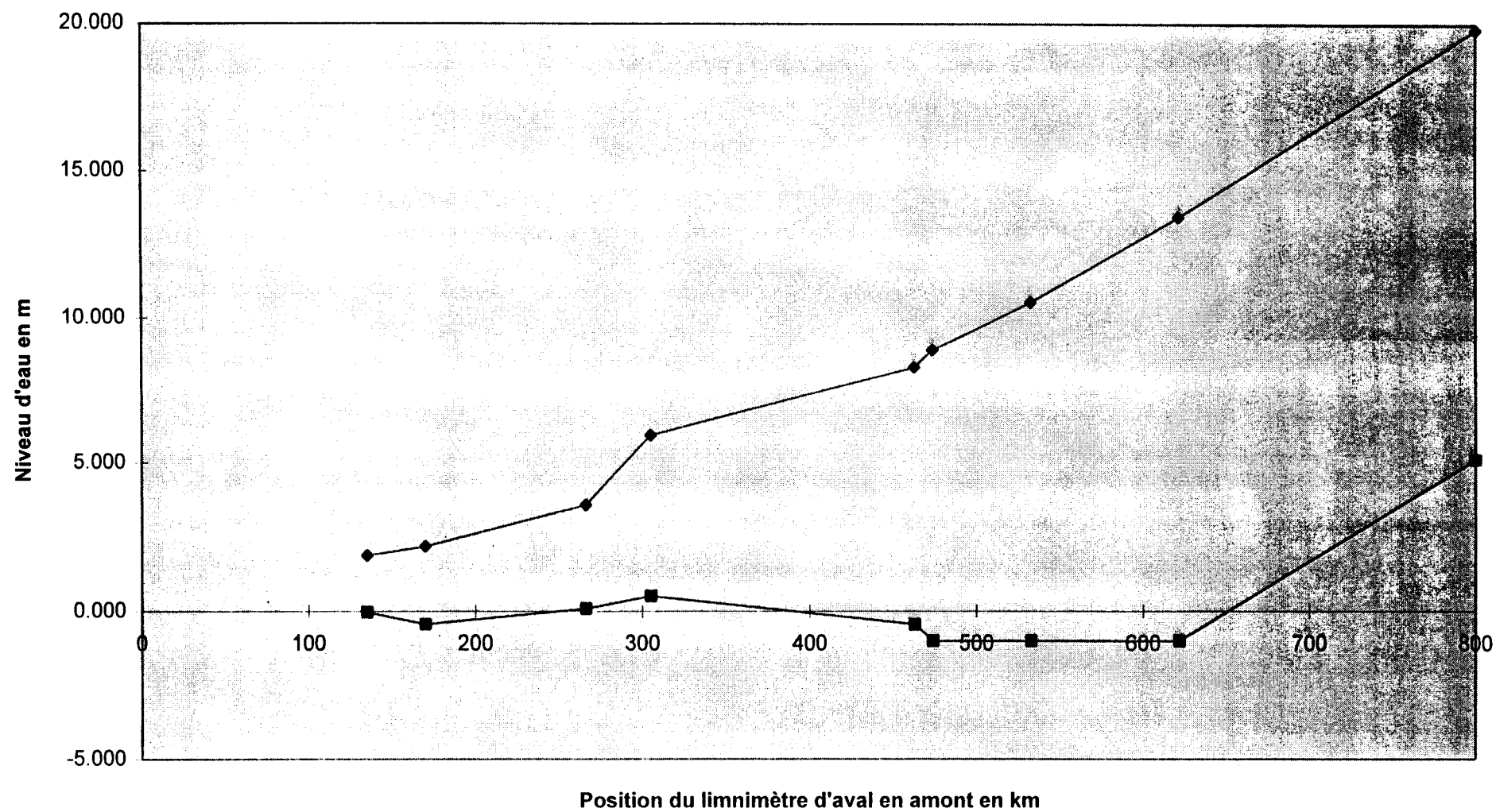
### Evolution des niveaux basses et hautes eaux d'aval en amont en 1987



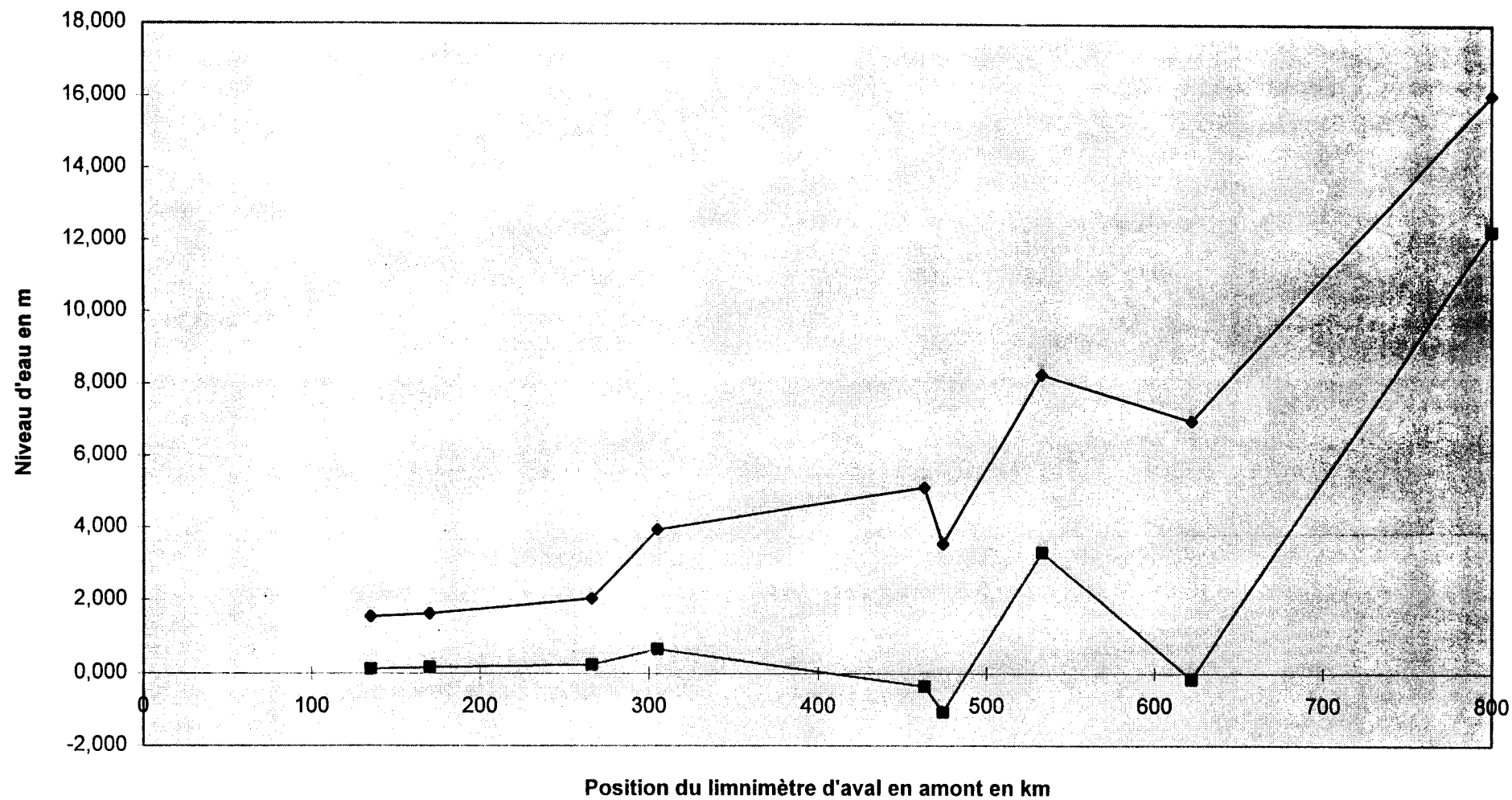


### Evolution des niveaux basses et hautes eaux d'aval en amont en 1988

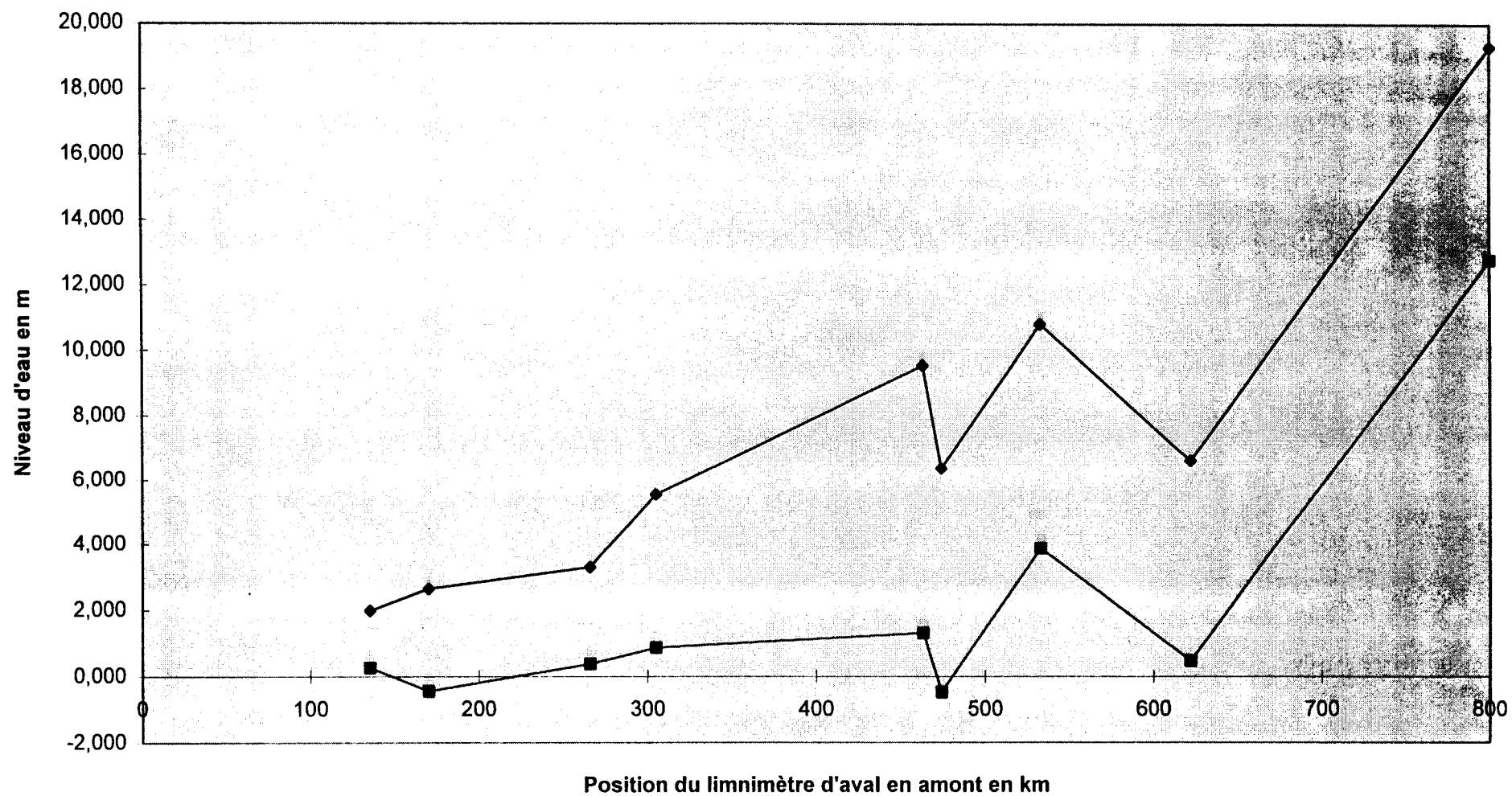


Evolution des niveaux basses et hautes eaux d'aval en amont en 1989

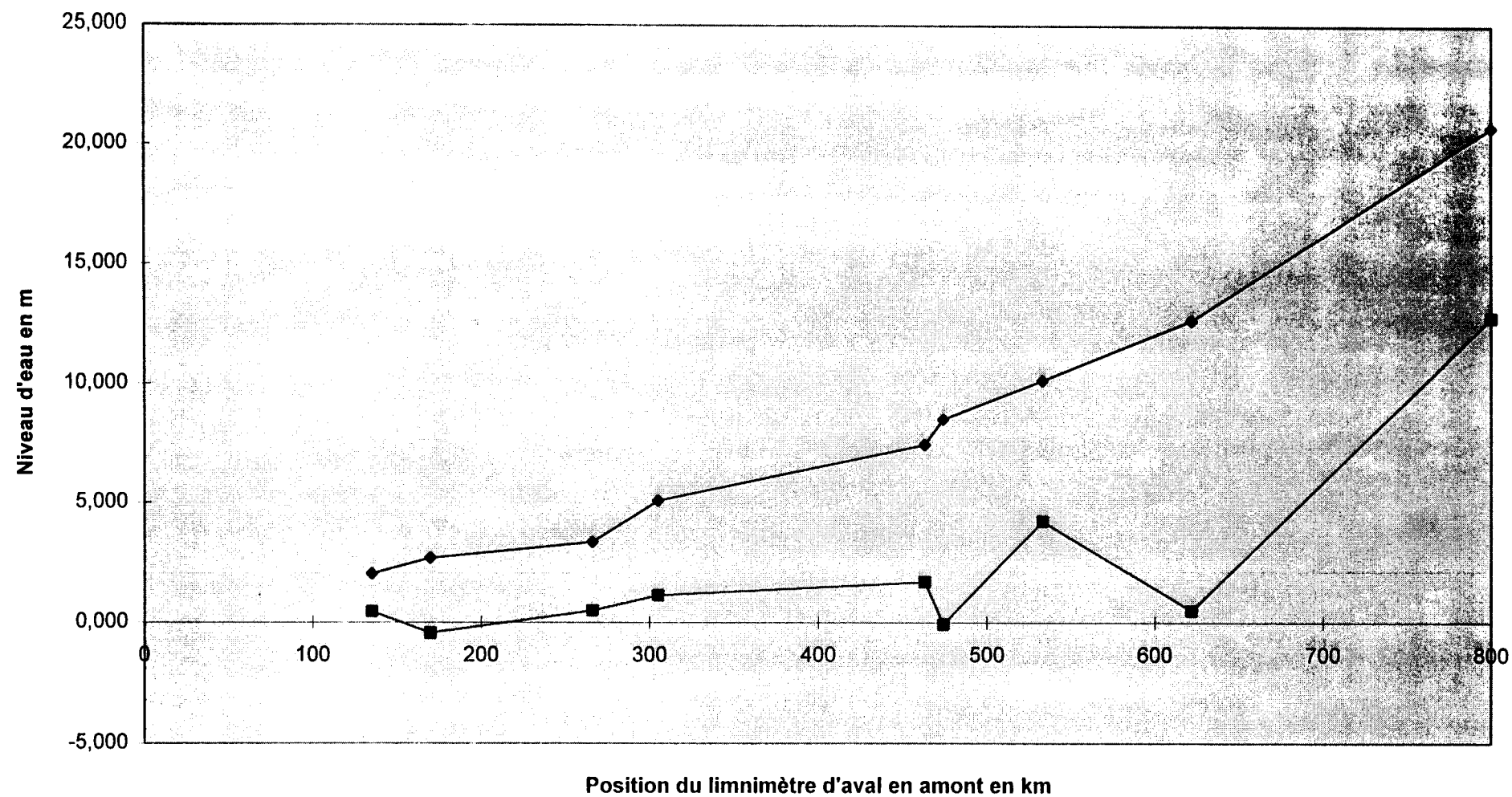
### Evolution des niveaux basses et hautes eaux d'aval en amont en 1990



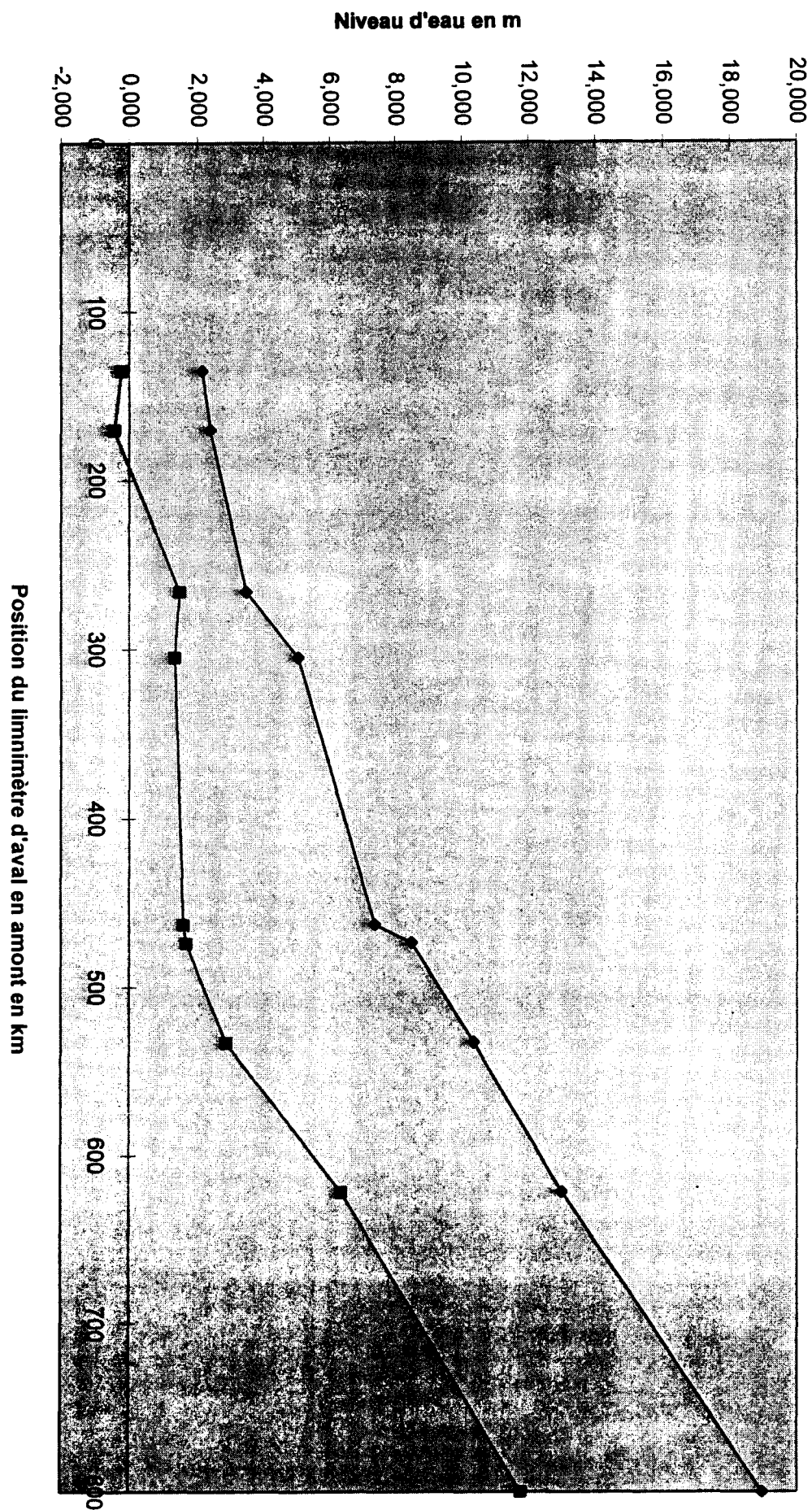
### Evolution des niveaux basses et hautes eaux d'aval en amont en 1991



### Evolution des niveaux basses et hautes eaux d'aval en amont en 1992



**Evolution des niveaux basses et hautes eaux d'aval en amont en 1993**

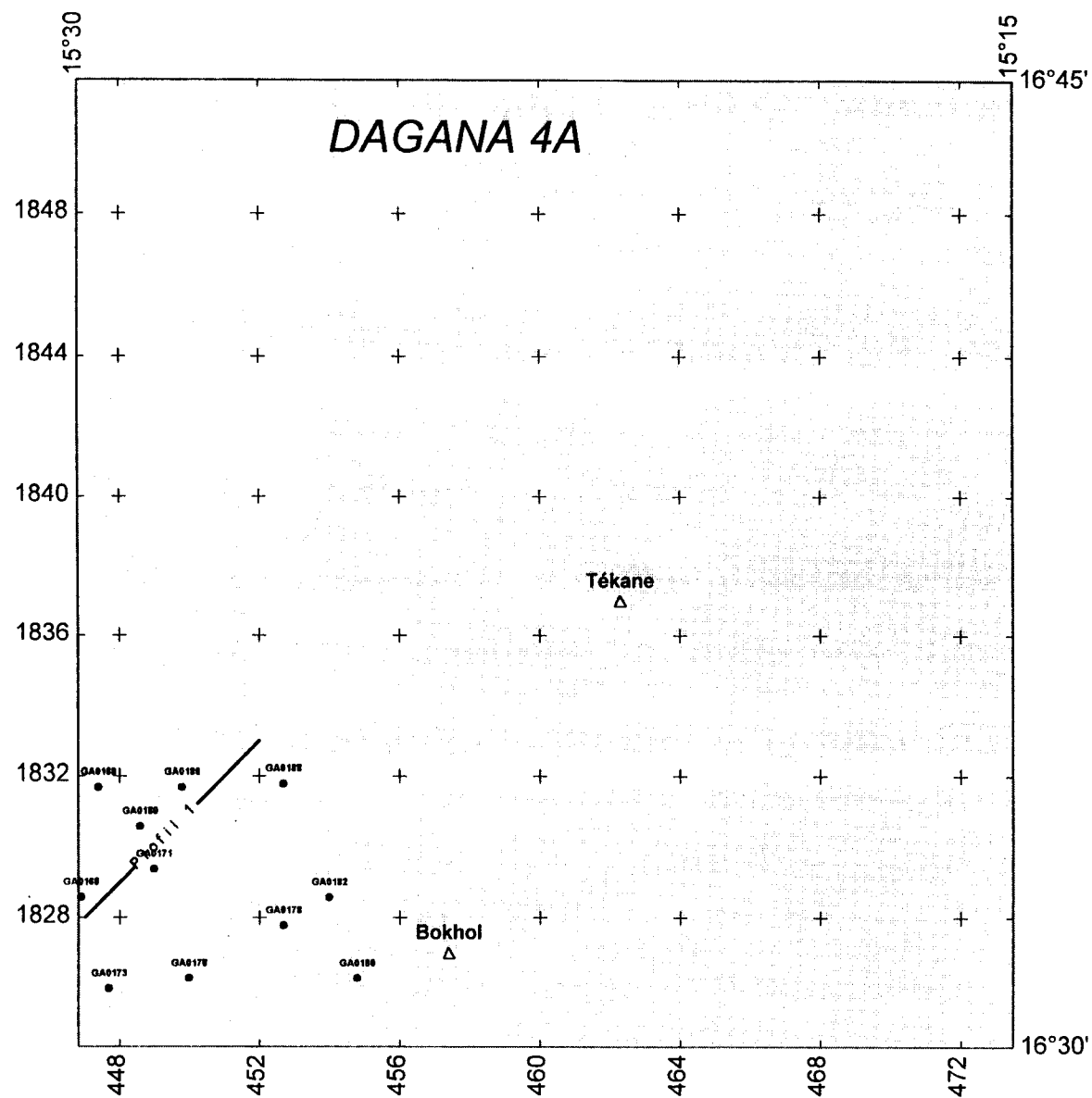


# Annexe 3

## Synthèse des données hydrogéologiques

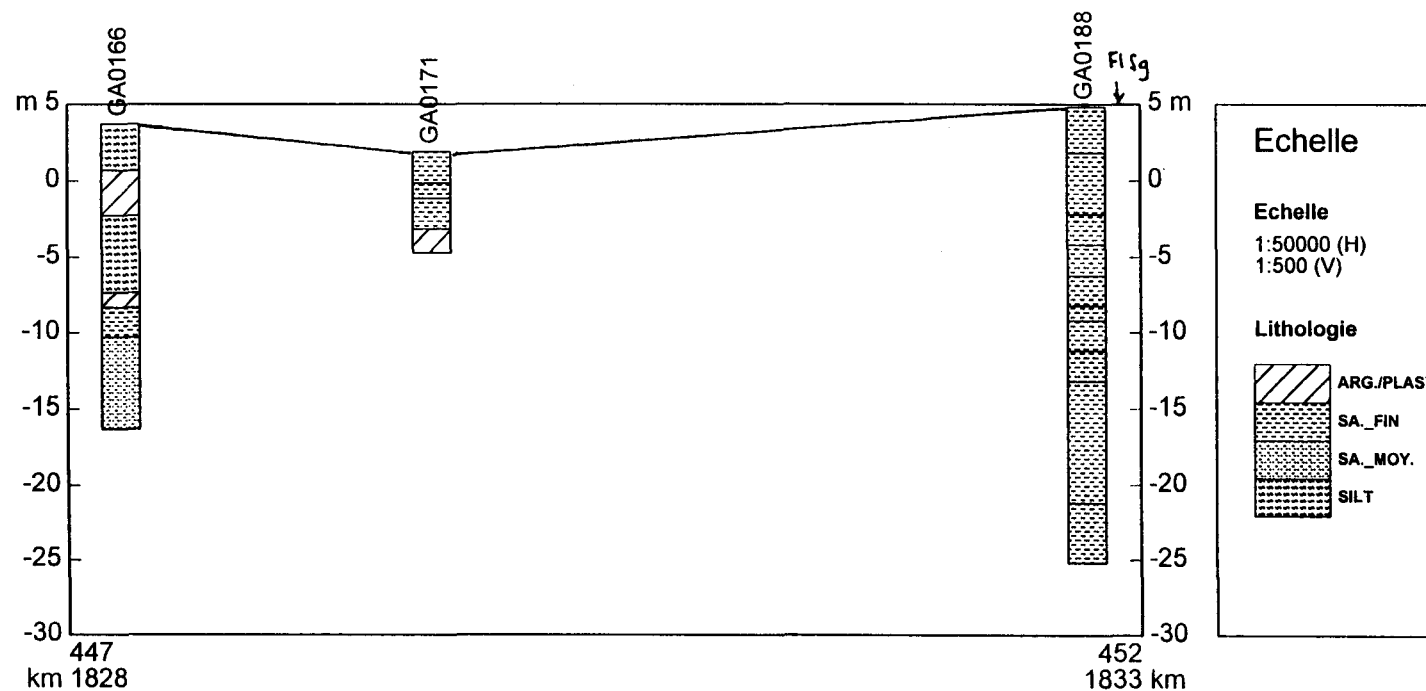
Les résultats sont présentés par coupures au 1/50.000 et pour chaque coupure sont fournis :

- une carte de la coupure avec la position des piézomètres, les noms des principales localités et la direction de ligne piézométrique ayant servi à faire les différentes analyses de données.
- un profil litho-stratigraphique suivant la ligne piézométrique.
- L'évolution du niveau piézométrique de la nappe dans quelques ouvrages situés à l'intérieur de la coupure.





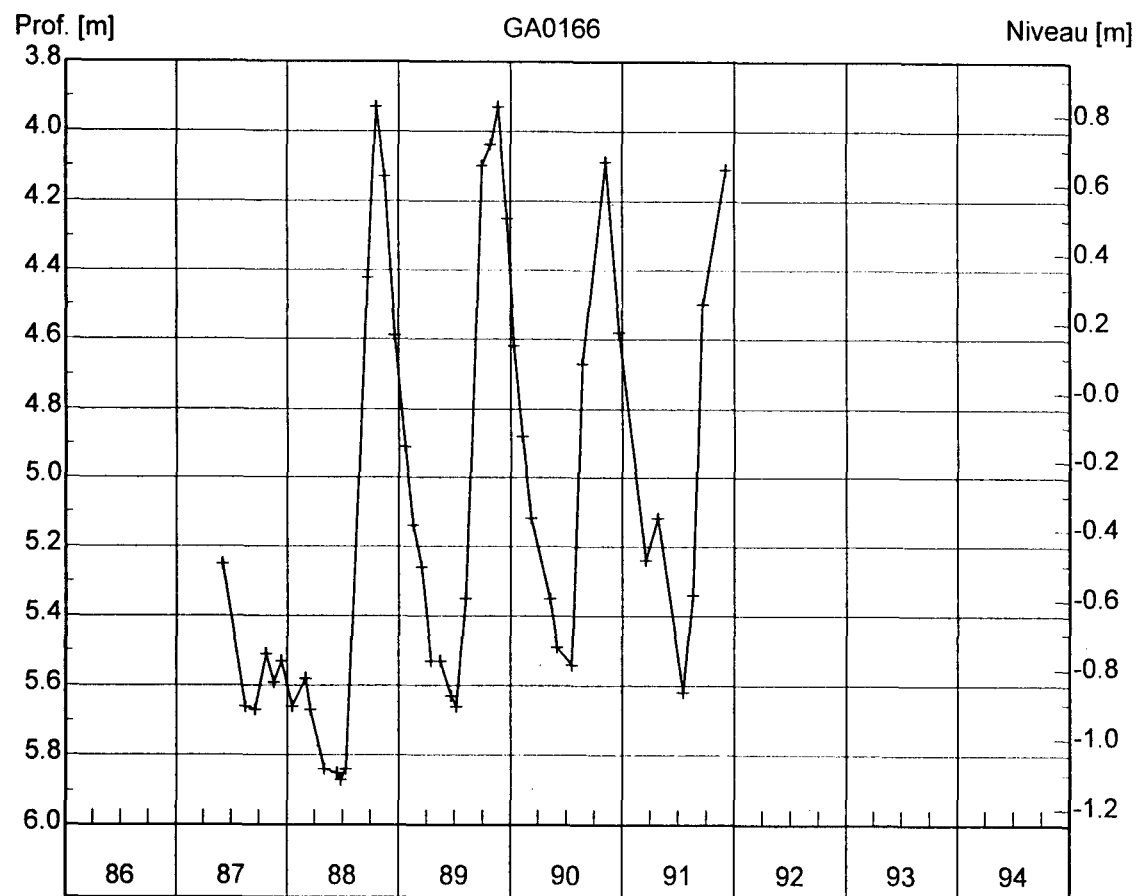
# **PROFIL LITHO-STRATIGRAPHIQUE C1 - DAGANA 4A**



| idouv  | mtux  | mtuy   | z     | elrepign | profouv | geolid | geomid | lgcrep | profhcre | descstrat |
|--------|-------|--------|-------|----------|---------|--------|--------|--------|----------|-----------|
| GA0166 | 446.9 | 1828.6 | 3.704 | 4.754    | 1948    | QT     | A      | 100    | 1798     | SABLE MOY |
| GA0171 | 449   | 1829.4 | 1.935 | 2.955    | 610     | IN     | A      | 100    | 460      | SABLE FIN |
| GA0188 | 452.7 | 1831.8 | 4.841 | 5.841    | 2880    | QT     | E      | 100    | 2680     | SABLE FIN |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                      |             |                 |                           |                   |                     |
|----------------------|-------------|-----------------|---------------------------|-------------------|---------------------|
| Piézomètre<br>GA0166 |             | Pays<br>Sénégal |                           | Communauté rurale | Feuille : DAGANA 4A |
| X<br>446.9           | Y<br>1828.6 | Z<br>3.704      | Repère de mesure<br>4.754 |                   |                     |
| Coupe C1             |             |                 |                           |                   |                     |

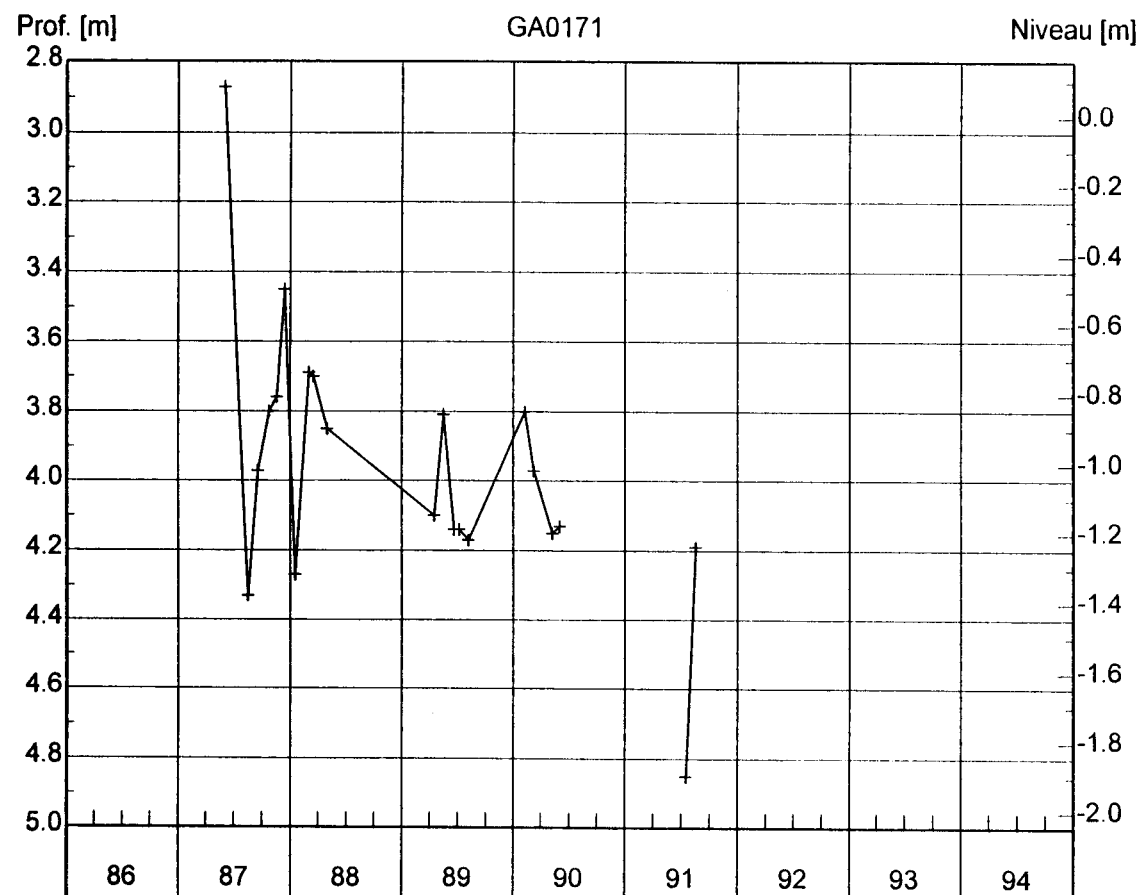


|                       |                    |
|-----------------------|--------------------|
| Prof<br>1948          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>3300   |
| Unite Geol<br>QT      | Unite Geom<br>A    |
| Limnim<br>8           | Dist Limn<br>1.300 |
| Pluviom<br>15         | Dist Pluv<br>1.300 |

| Date       | Niveau | Date       | Niveau | Date       | Niveau |
|------------|--------|------------|--------|------------|--------|
| 2 06 1987  | -0.50  | 20 01 1989 | -0.16  | 18 07 1990 | -0.79  |
| 17 08 1987 | -0.91  | 15 02 1989 | -0.39  | 21 08 1990 | 0.08   |
| 17 09 1987 | -0.92  | 15 03 1989 | -0.51  | 6 11 1990  | 0.66   |
| 24 10 1987 | -0.76  | 16 04 1989 | -0.78  | 21 12 1990 | 0.17   |
| 19 11 1987 | -0.84  | 15 05 1989 | -0.78  | 18 03 1991 | -0.49  |
| 14 12 1987 | -0.78  | 20 06 1989 | -0.88  | 25 04 1991 | -0.37  |
| 17 01 1988 | -0.91  | 7 07 1989  | -0.91  | 17 07 1991 | -0.87  |
| 29 02 1988 | -0.83  | 5 08 1989  | -0.60  | 18 08 1991 | -0.59  |
| 17 03 1988 | -0.92  | 28 09 1989 | 0.65   | 20 09 1991 | 0.25   |
| 29 04 1988 | -1.09  | 25 10 1989 | 0.71   | 5 12 1991  | 0.64   |
| 10 06 1988 | -1.10  | 20 11 1989 | 0.82   |            |        |
| 22 06 1988 | -1.12  | 19 12 1989 | 0.50   |            |        |
| 11 07 1988 | -1.09  | 10 01 1990 | 0.13   |            |        |
| 19 09 1988 | 0.33   | 7 02 1990  | -0.13  |            |        |
| 16 10 1988 | 0.82   | 8 03 1990  | -0.37  |            |        |
| 17 11 1988 | 0.62   | 7 05 1990  | -0.60  |            |        |
| 17 12 1988 | 0.16   | 1 06 1990  | -0.74  |            |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                      |             |                 |                           |                   |                     |
|----------------------|-------------|-----------------|---------------------------|-------------------|---------------------|
| Piézomètre<br>GA0171 |             | Pays<br>Sénégal |                           | Communauté rurale | Feuille : DAGANA 4A |
| X<br>449.0           | Y<br>1829.4 | Z<br>1.935      | Repère de mesure<br>2.955 |                   |                     |
| Coupe C1             |             |                 |                           |                   |                     |

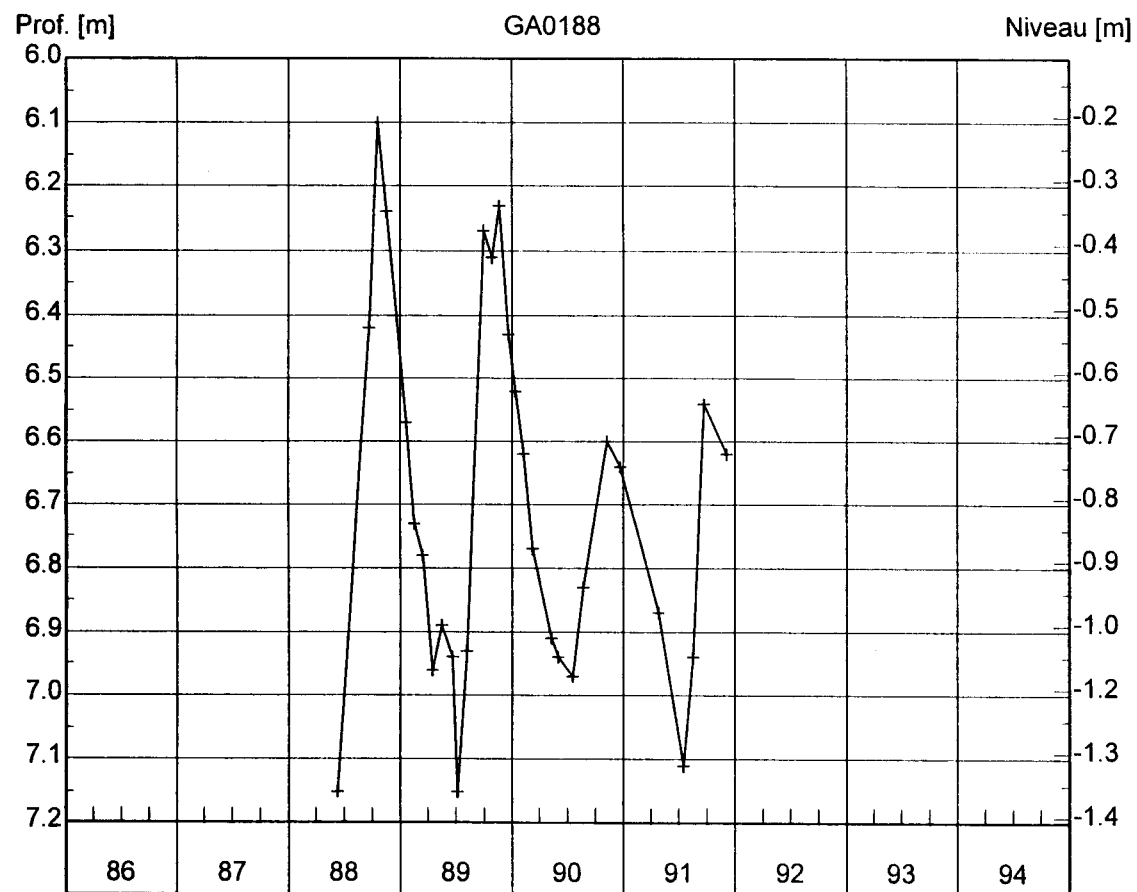


|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Prof<br>610           |  | Annee<br>1987      |  |
| Fleuve<br>FL. SENEGAL |  | Dist eau<br>4100   |  |
| Unite Geol<br>IN      |  | Unite Geom<br>A    |  |
| Limnim<br>8           |  | Dist Limn<br>2.900 |  |
| Pluviom<br>15         |  | Dist Pluv<br>2.900 |  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 2 06 1987  | 0.09   | 7 05 1990  | -1.20  |      |        |
| 17 08 1987 | -1.38  | 1 06 1990  | -1.18  |      |        |
| 17 09 1987 | -1.02  | 17 07 1991 | -1.89  |      |        |
| 24 10 1987 | -0.85  | 18 08 1991 | -1.24  |      |        |
| 19 11 1987 | -0.81  |            |        |      |        |
| 14 12 1987 | -0.50  |            |        |      |        |
| 16 01 1988 | -1.32  |            |        |      |        |
| 29 02 1988 | -0.74  |            |        |      |        |
| 17 03 1988 | -0.75  |            |        |      |        |
| 30 04 1988 | -0.89  |            |        |      |        |
| 16 04 1989 | -1.14  |            |        |      |        |
| 15 05 1989 | -0.86  |            |        |      |        |
| 20 06 1989 | -1.18  |            |        |      |        |
| 7 07 1989  | -1.18  |            |        |      |        |
| 5 08 1989  | -1.22  |            |        |      |        |
| 7 02 1990  | -0.85  |            |        |      |        |
| 8 03 1990  | -1.02  |            |        |      |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                      |             |                 |                           |                   |                     |
|----------------------|-------------|-----------------|---------------------------|-------------------|---------------------|
| Piézomètre<br>GA0188 |             | Pays<br>Sénégal |                           | Communauté rurale | Feuille : DAGANA 4A |
| X<br>452.7           | Y<br>1831.8 | Z<br>4.841      | Repère de mesure<br>5.841 |                   |                     |
| Coupe C1             |             |                 |                           |                   |                     |

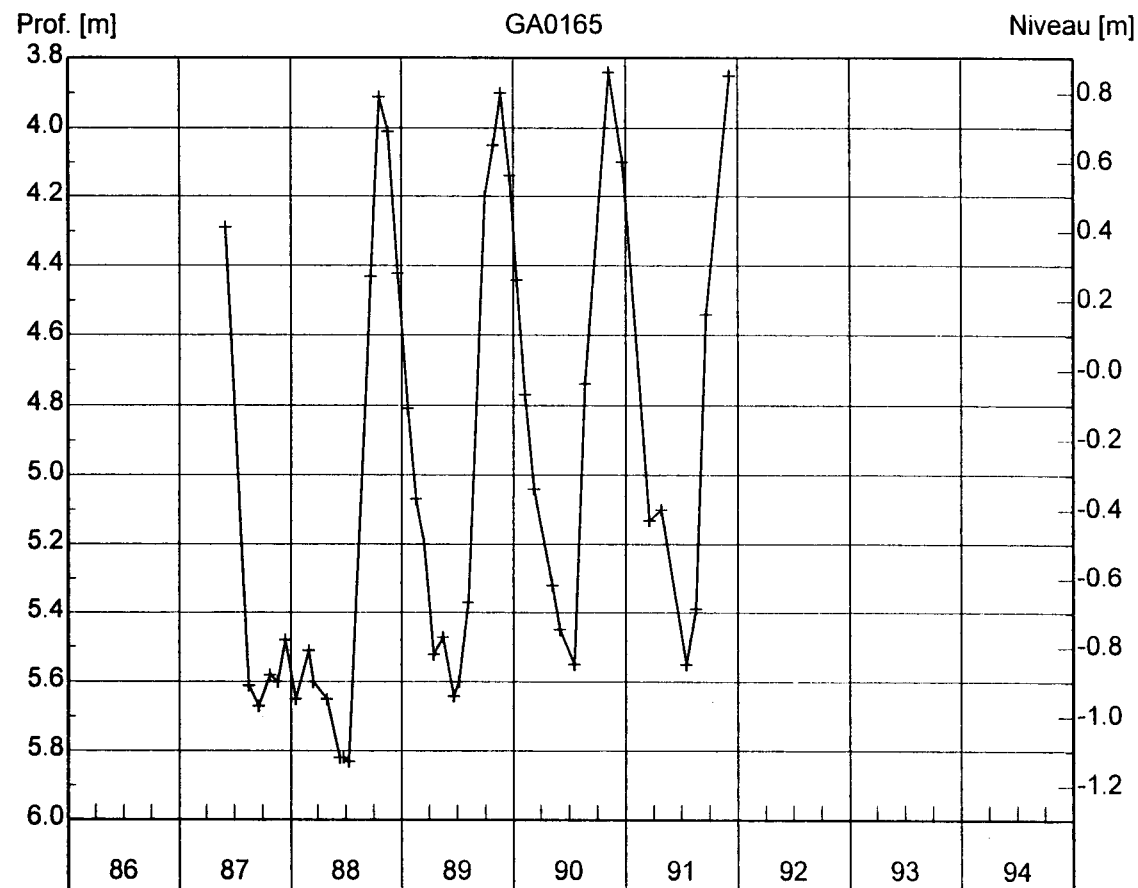


|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Prof<br>2880          |  | Annee<br>1987      |  |
| Fleuve<br>FL. SENEGAL |  | Dist eau<br>292    |  |
| Unite Geol<br>QT      |  | Unite Geom<br>E    |  |
| Limnim<br>8           |  | Dist Limn<br>6.800 |  |
| Pluviom<br>15         |  | Dist Pluv<br>6.800 |  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 8 06 1988  | -1.31  | 10 01 1990 | -0.68  |      |        |
| 19 09 1988 | -0.58  | 7 02 1990  | -0.78  |      |        |
| 16 10 1988 | -0.26  | 8 03 1990  | -0.93  |      |        |
| 17 11 1988 | -0.40  | 10 05 1990 | -1.07  |      |        |
| 17 12 1988 | -0.56  | 1 06 1990  | -1.10  |      |        |
| 19 01 1989 | -0.73  | 18 07 1990 | -1.13  |      |        |
| 15 02 1989 | -0.89  | 21 08 1990 | -0.99  |      |        |
| 15 03 1989 | -0.94  | 6 11 1990  | -0.76  |      |        |
| 16 04 1989 | -1.12  | 21 12 1990 | -0.80  |      |        |
| 15 05 1989 | -1.05  | 25 04 1991 | -1.03  |      |        |
| 20 06 1989 | -1.10  | 17 07 1991 | -1.27  |      |        |
| 7 07 1989  | -1.31  | 18 08 1991 | -1.10  |      |        |
| 5 08 1989  | -1.09  | 20 09 1991 | -0.70  |      |        |
| 28 09 1989 | -0.43  | 5 12 1991  | -0.78  |      |        |
| 25 10 1989 | -0.47  |            |        |      |        |
| 20 11 1989 | -0.39  |            |        |      |        |
| 19 12 1989 | -0.59  |            |        |      |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                             |             |                 |                           |                     |
|-----------------------------|-------------|-----------------|---------------------------|---------------------|
| Piézomètre<br><b>GA0165</b> |             | Pays<br>Sénégal | Communauté rurale         | Feuille : DAGANA 4A |
| X<br>446.9                  | Y<br>1828.6 | Z<br>3.692      | Repère de mesure<br>4.702 | Coupe C1            |

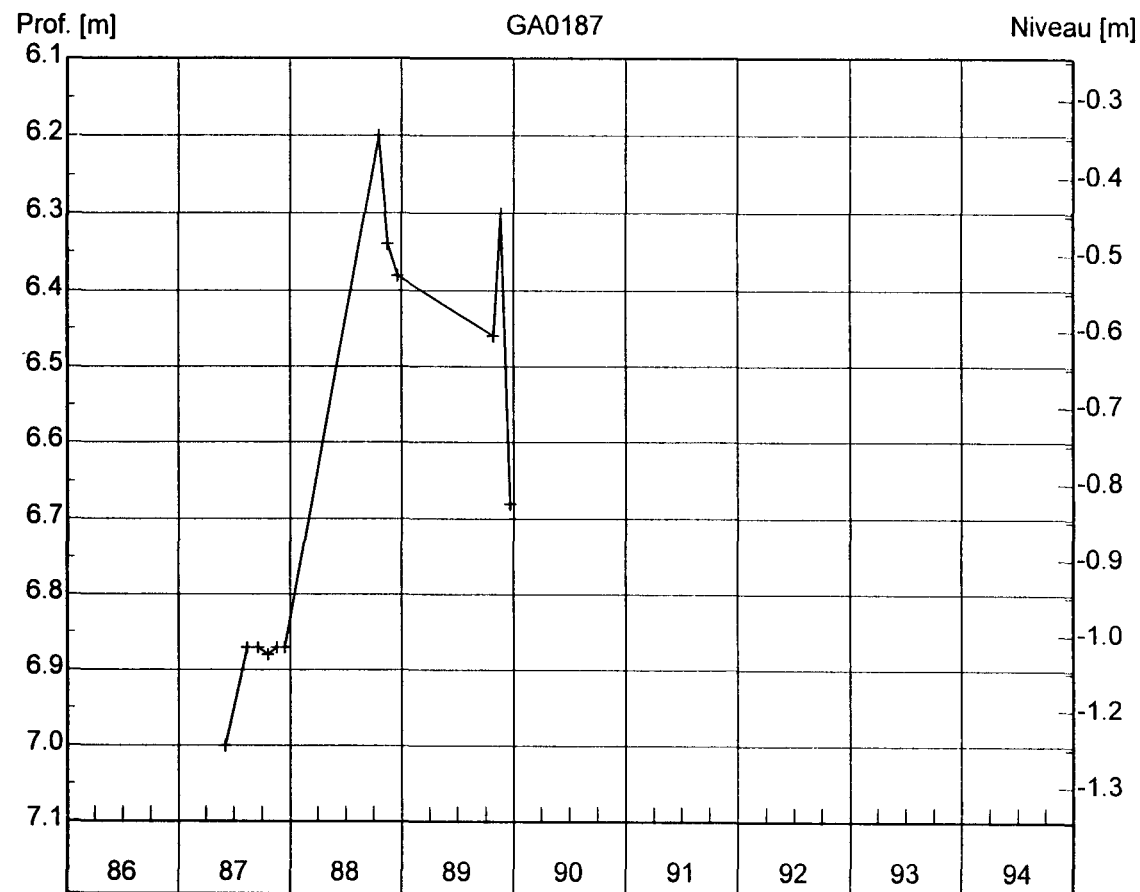


|                       |                    |
|-----------------------|--------------------|
| Prof<br>867           | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>3300   |
| Unite Geol<br>IN      | Unite Geom<br>A    |
| Limnim<br>8           | Dist Limn<br>1.300 |
| Pluviom<br>15         | Dist Pluv<br>1.300 |

| Date       | Niveau | Date       | Niveau | Date       | Niveau |
|------------|--------|------------|--------|------------|--------|
| 2 06 1987  | 0.41   | 20 01 1989 | -0.11  | 18 07 1990 | -0.85  |
| 17 08 1987 | -0.91  | 15 02 1989 | -0.37  | 21 08 1990 | -0.04  |
| 17 09 1987 | -0.97  | 15 03 1989 | -0.50  | 6 11 1990  | 0.86   |
| 24 10 1987 | 0.88   | 16 04 1989 | -0.82  | 21 12 1990 | 0.60   |
| 19 11 1987 | -0.90  | 15 05 1989 | -0.77  | 18 03 1991 | -0.43  |
| 14 12 1987 | -0.78  | 20 06 1989 | -0.94  | 25 04 1991 | -0.40  |
| 17 01 1988 | -0.95  | 7 07 1989  | -0.90  | 17 07 1991 | -0.85  |
| 29 02 1988 | -0.81  | 5 08 1989  | -0.67  | 18 08 1991 | -0.69  |
| 17 03 1988 | -0.90  | 28 09 1989 | 0.50   | 20 09 1991 | 0.16   |
| 29 04 1988 | -0.95  | 25 10 1989 | 0.65   | 5 12 1991  | 0.85   |
| 10 06 1988 | -1.12  | 20 11 1989 | 0.80   |            |        |
| 22 06 1988 | -1.12  | 19 12 1989 | 0.56   |            |        |
| 11 07 1988 | -1.13  | 10 01 1990 | 0.26   |            |        |
| 19 09 1988 | 0.27   | 7 02 1990  | -0.07  |            |        |
| 16 10 1988 | 0.79   | 8 03 1990  | -0.34  |            |        |
| 17 11 1988 | 0.69   | 7 05 1990  | -0.62  |            |        |
| 17 12 1988 | 0.28   | 1 06 1990  | -0.75  |            |        |

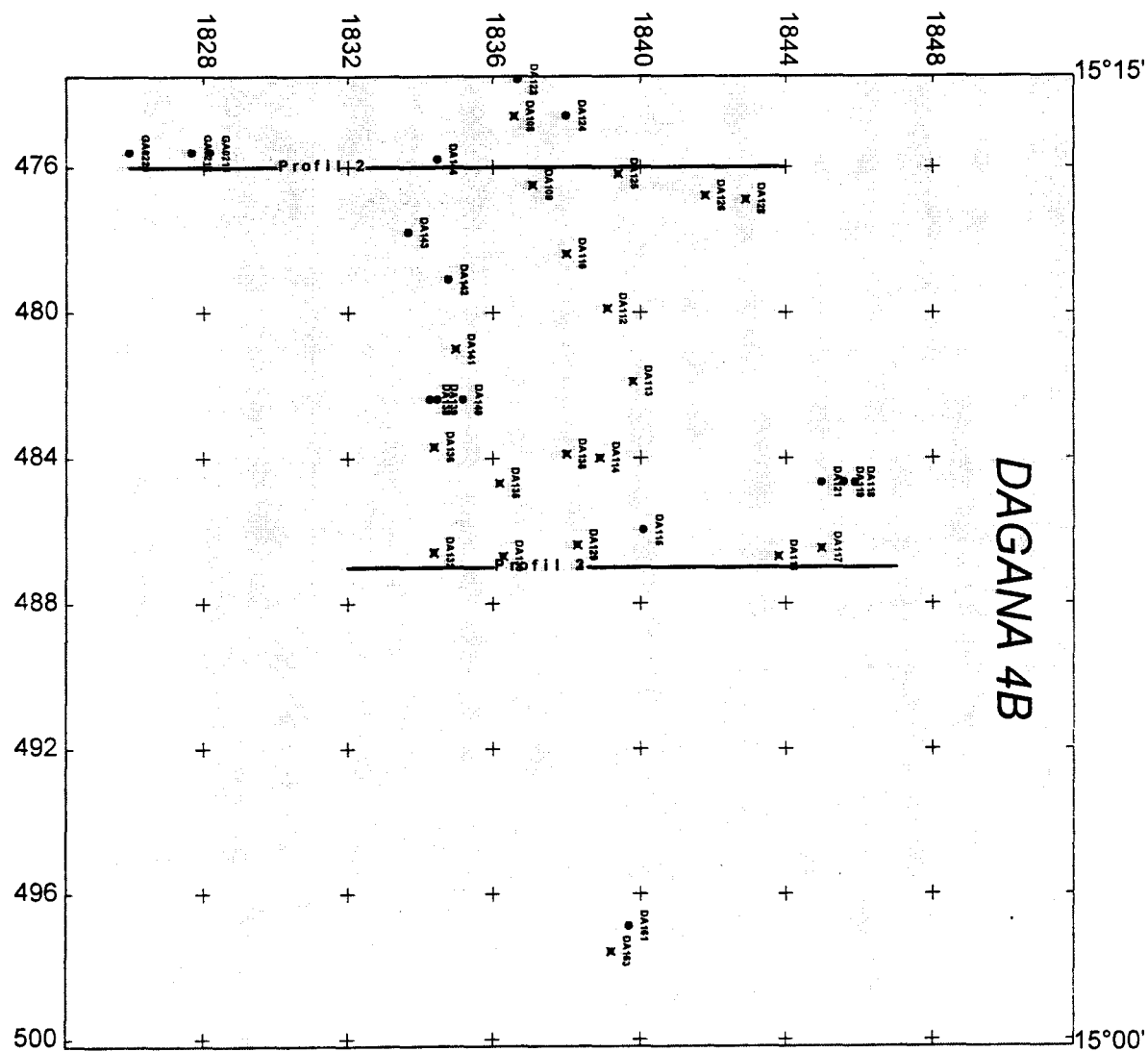
# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                           |                            |
|-----------------------------|-------------|-----------------|---------------------------|----------------------------|
| Piézomètre<br><b>GA0187</b> |             | Pays<br>Sénégal | Communauté rurale         | Feuille : <b>DAGANA 4A</b> |
| X<br>452.7                  | Y<br>1831.8 | Z<br>4.814      | Repère de mesure<br>5.804 | Coupe C1                   |

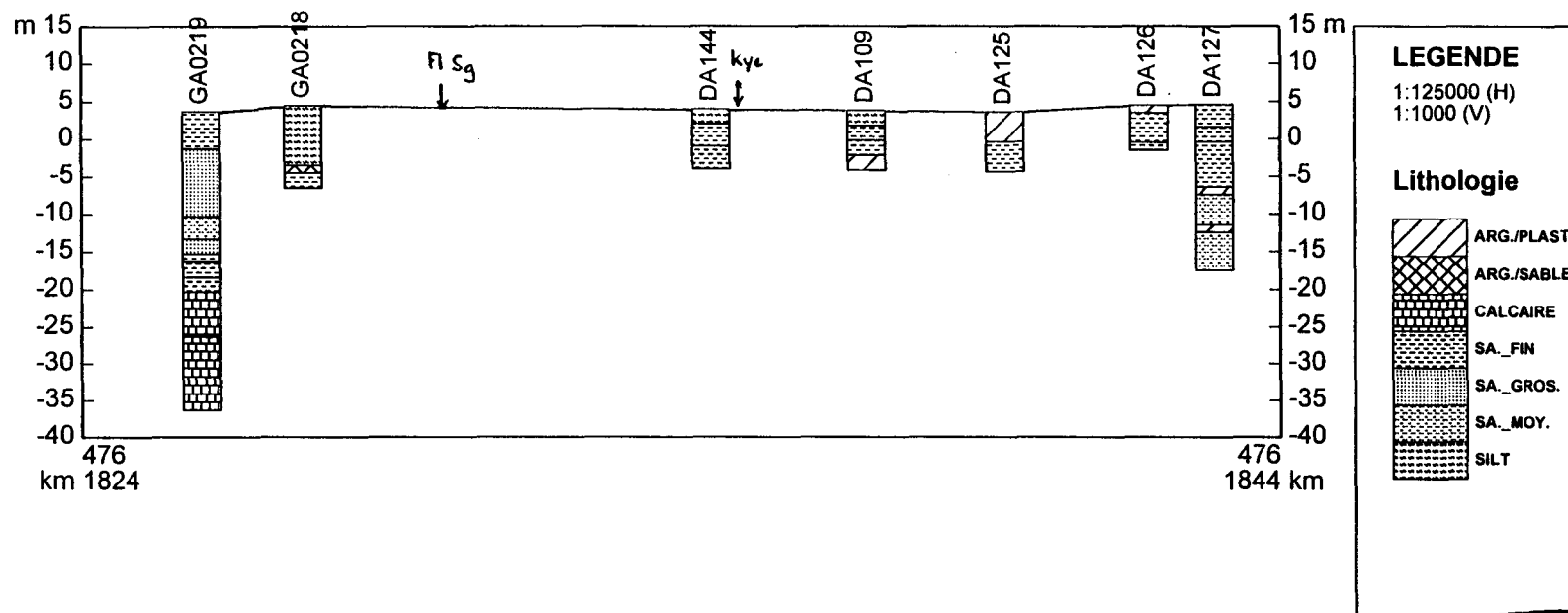


|                       |                    |
|-----------------------|--------------------|
| Prof<br>643           | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>290    |
| Unite Geol<br>NK      | Unite Geom<br>E    |
| Limnim<br>8           | Dist Limn<br>6.800 |
| Pluviom<br>15         | Dist Pluv<br>6.800 |

| Date       | Niveau | Date | Niveau | Date | Niveau |
|------------|--------|------|--------|------|--------|
| 4 06 1987  | -1.20  |      |        |      |        |
| 14 08 1987 | -1.07  |      |        |      |        |
| 17 09 1987 | -1.07  |      |        |      |        |
| 19 10 1987 | -1.08  |      |        |      |        |
| 17 11 1987 | -1.07  |      |        |      |        |
| 14 12 1987 | -1.07  |      |        |      |        |
| 16 10 1988 | -0.40  |      |        |      |        |
| 17 11 1988 | -0.54  |      |        |      |        |
| 17 12 1988 | -0.58  |      |        |      |        |
| 25 10 1989 | -0.66  |      |        |      |        |
| 20 11 1989 | -0.50  |      |        |      |        |
| 19 12 1989 | -0.88  |      |        |      |        |



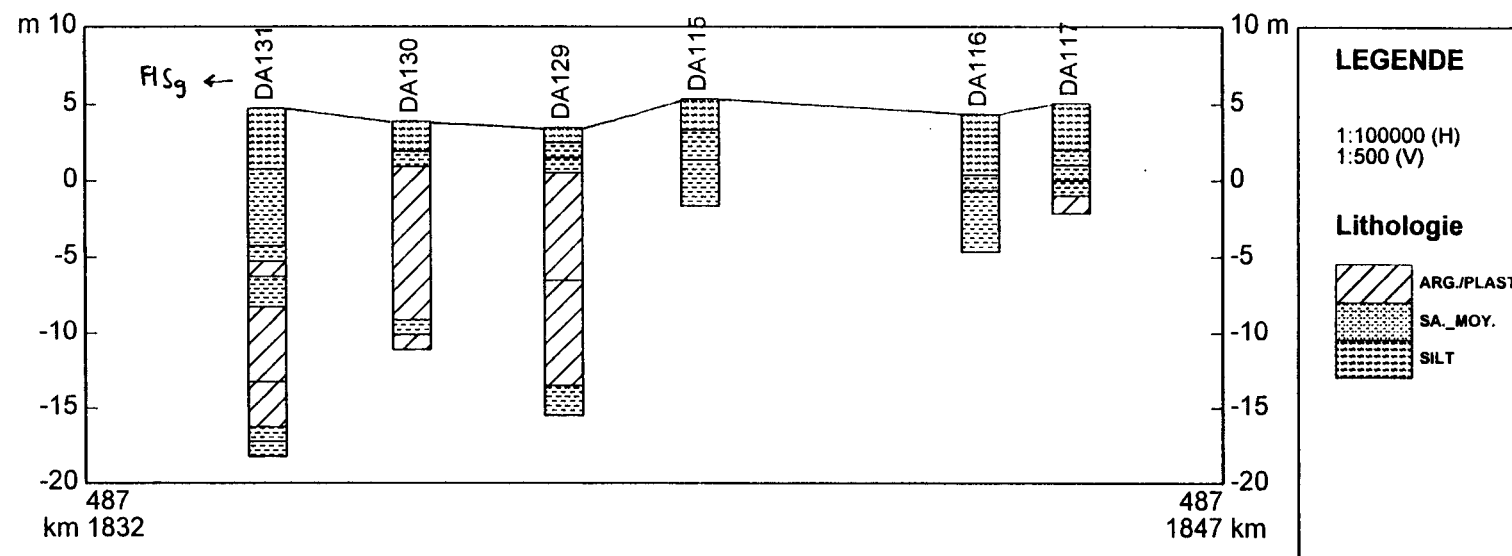
# **PROFIL LITHO-STRATIGRAPHIQUE C2 - DAGANA 4B**



| idouv  | mtux  | mtuy | z     | elrepign | profouv | geolid | geomid | lgcrep | profhcre | descstrat |
|--------|-------|------|-------|----------|---------|--------|--------|--------|----------|-----------|
| DA109  | 476.5 | 1837 | 3.809 | 4.839    | 650     | QT     | M'     | 100    | 550      | SABLE FIN |
| DA125  | 476.2 | 1839 | 3.652 | 4.652    | 733     | QT     | M'     | 100    | 583      | SABLE FIN |
| DA126  | 476.8 | 1842 | 4.524 | 5.584    | 550     | QT     | M'     | 100    | 400      | SABLE FIN |
| DA127  | 476.9 | 1843 | 4.688 | 5.698    | 2127    | CT     | M'     | 100    | 1977     | SABLE MOY |
| DA144  | 475.8 | 1835 | 4.084 | 5.104    | 750     | QT     | M'     | 100    | 600      | SABLE FIN |
| GA0218 | 475.6 | 1828 | 4.598 | 5.628    | 1049    | QT     | A      | 100    | 899      | SABLE FIN |
| GA0219 | 475.6 | 1826 | 3.717 | 4.727    | 3880    | EM     | X      | 100    | 3680     | CALCAIRE  |



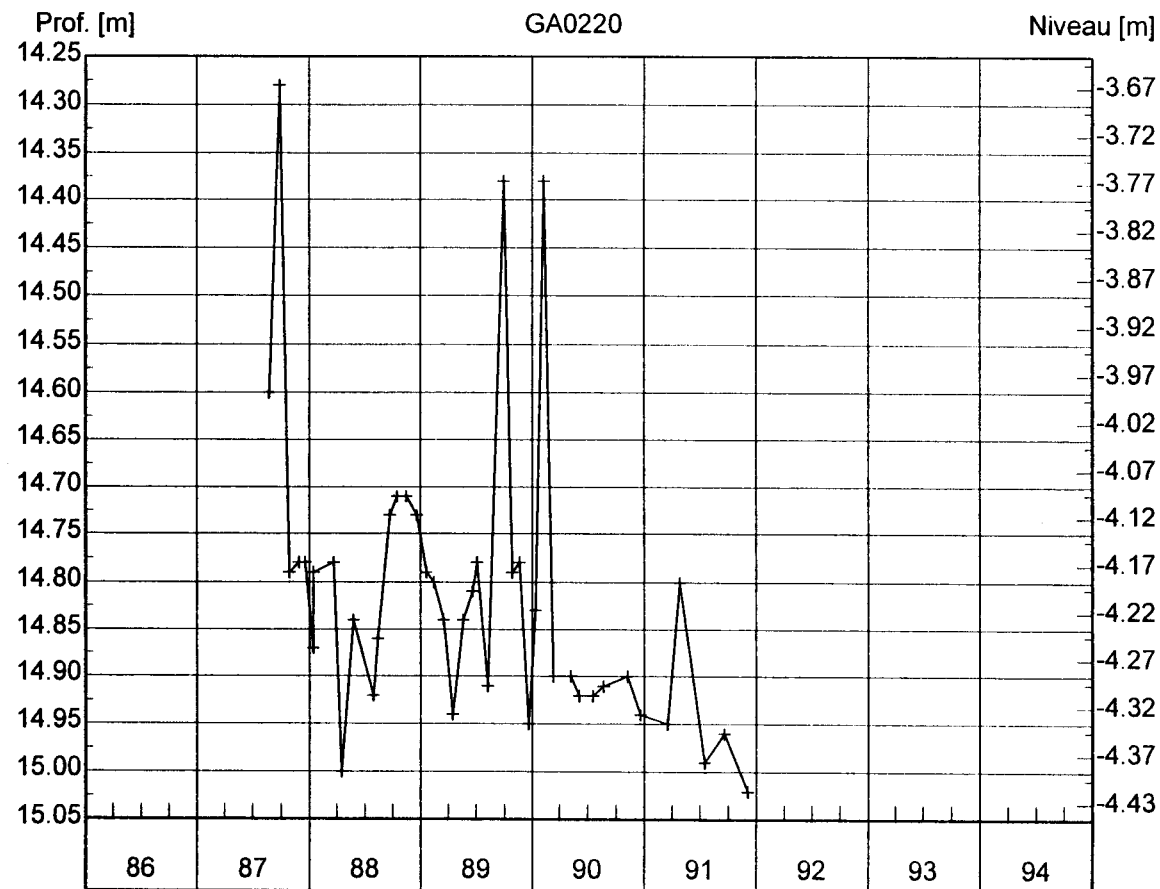
# **PROFIL LITHO-STRATIGRAPHIQUE C3 - DAGANA 4B**



| idouv | mtux  | mtuy   | z     | elrepign | profouv | geolid | geomid | lgcrep | profhcre | descstrat |
|-------|-------|--------|-------|----------|---------|--------|--------|--------|----------|-----------|
| DA115 | 486   | 1840.1 | 5.355 | 6.315    | 650     | QT     | M'     | 100    | 500      | SABLE FIN |
| DA116 | 486.7 | 1843.8 | 4.396 | 5.376    | 850     | QT     | M      | 100    | 700      | SABLE FIN |
| DA117 | 486.5 | 1845   | 5.069 | 6.049    | 650     | QT     | M      | 100    | 500      | SABLE FIN |
| DA129 | 486.4 | 1838.3 | 3.522 | 4.502    | 1850    | QT     | M'     | 100    | 1700     | SABLE FIN |
| DA130 | 486.7 | 1836.3 | 3.906 | 4.876    | 1450    | QT     | A      | 100    | 1300     | SABLE FIN |
| DA131 | 486.6 | 1834.4 | 4.779 | 5.799    | 2250    | QT     | M'     | 100    | 2100     | SABLE FIN |
| DA132 | 486.6 | 1834.4 | 4.75  | 5.72     | 950     | QT     | M'     | 100    | 800      | SABLE FIN |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                            |
|-----------------------------|-------------|-----------------|----------------------------|----------------------------|
| Piézomètre<br><b>GA0220</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : <b>DAGANA 4B</b> |
| X<br>475.6                  | Y<br>1826.0 | Z<br>9.588      | Repère de mesure<br>10.608 | Coupe C2                   |

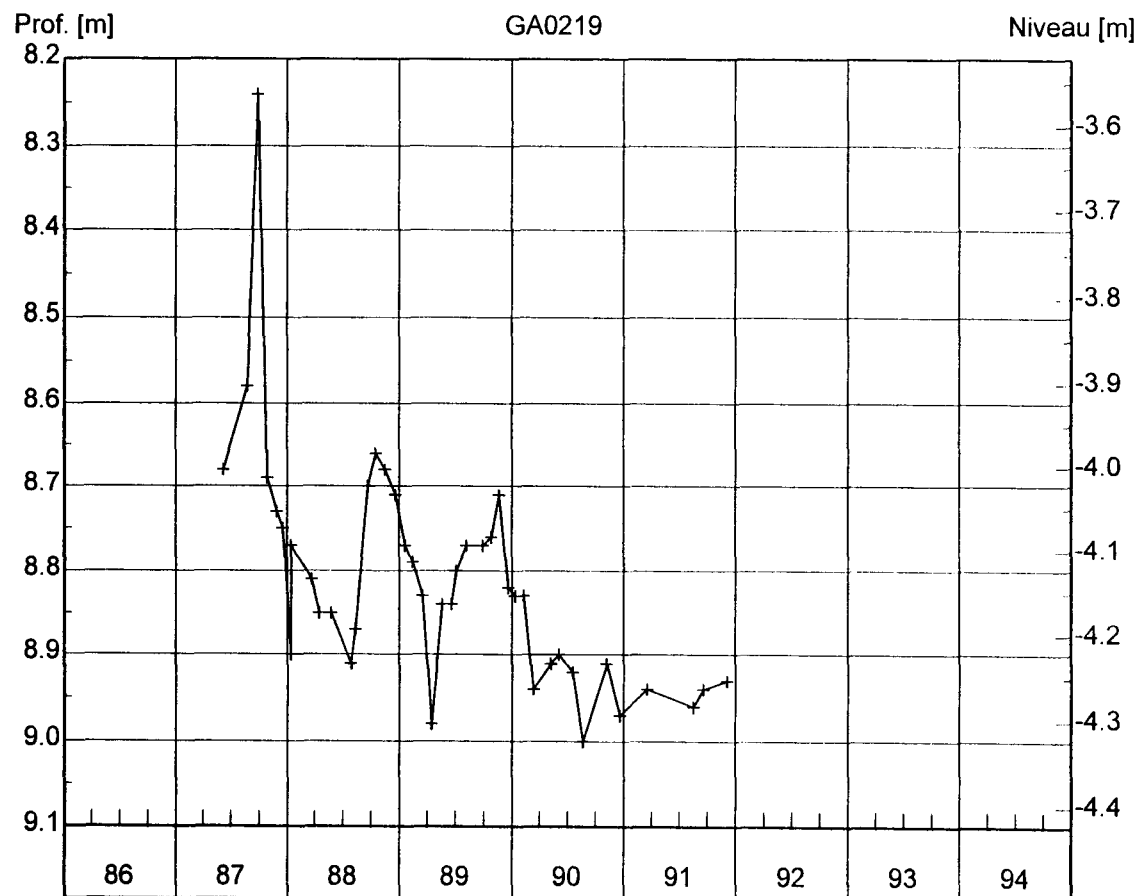


|                    |                     |
|--------------------|---------------------|
| Prof<br>1644       | Annee<br>1987       |
| Fleuve<br>NGALENKA | Dist eau<br>1320    |
| Unite Geol<br>QT   | Unite Geom<br>X     |
| Limnim<br>9        | Dist Limn<br>32.100 |
| Pluviom<br>17      | Dist Pluv<br>0.300  |

| Date       | Niveau | Date       | Niveau | Date       | Niveau |
|------------|--------|------------|--------|------------|--------|
| 24 08 1987 | -3.99  | 14 02 1989 | -4.19  | 21 08 1990 | -4.30  |
| 28 09 1987 | -3.67  | 18 03 1989 | -4.23  | 7 11 1990  | -4.29  |
| 27 10 1987 | -4.18  | 15 04 1989 | -4.33  | 19 12 1990 | -4.33  |
| 27 11 1987 | -4.17  | 21 05 1989 | -4.23  | 16 03 1991 | -4.34  |
| 19 12 1987 | -4.17  | 19 06 1989 | -4.20  | 25 04 1991 | -4.19  |
| 14 01 1988 | -4.26  | 4 07 1989  | -4.17  | 16 07 1991 | -4.38  |
| 14 01 1988 | -4.18  | 7 08 1989  | -4.30  | 19 09 1991 | -4.35  |
| 20 03 1988 | -4.17  | 28 09 1989 | -3.77  | 5 12 1991  | -4.41  |
| 15 04 1988 | -4.39  | 25 10 1989 | -4.18  |            |        |
| 24 05 1988 | -4.23  | 20 11 1989 | -4.17  |            |        |
| 28 07 1988 | -4.31  | 20 12 1989 | -4.34  |            |        |
| 12 08 1988 | -4.25  | 10 01 1990 | -4.22  |            |        |
| 19 09 1988 | -4.12  | 7 02 1990  | -3.77  |            |        |
| 15 10 1988 | -4.10  | 10 03 1990 | -4.29  |            |        |
| 14 11 1988 | -4.10  | 8 05 1990  | -4.29  |            |        |
| 19 12 1988 | -4.12  | 4 06 1990  | -4.31  |            |        |
| 18 01 1989 | 4.18   | 17 07 1990 | -4.31  |            |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                             |             |                 |                           |                            |
|-----------------------------|-------------|-----------------|---------------------------|----------------------------|
| Piézomètre<br><b>GA0219</b> |             | Pays<br>Sénégal | Communauté rurale         | Feuille : <b>DAGANA 4B</b> |
| X<br>475.6                  | Y<br>1826.0 | Z<br>3.717      | Repère de mesure<br>4.727 | Coupe C2                   |

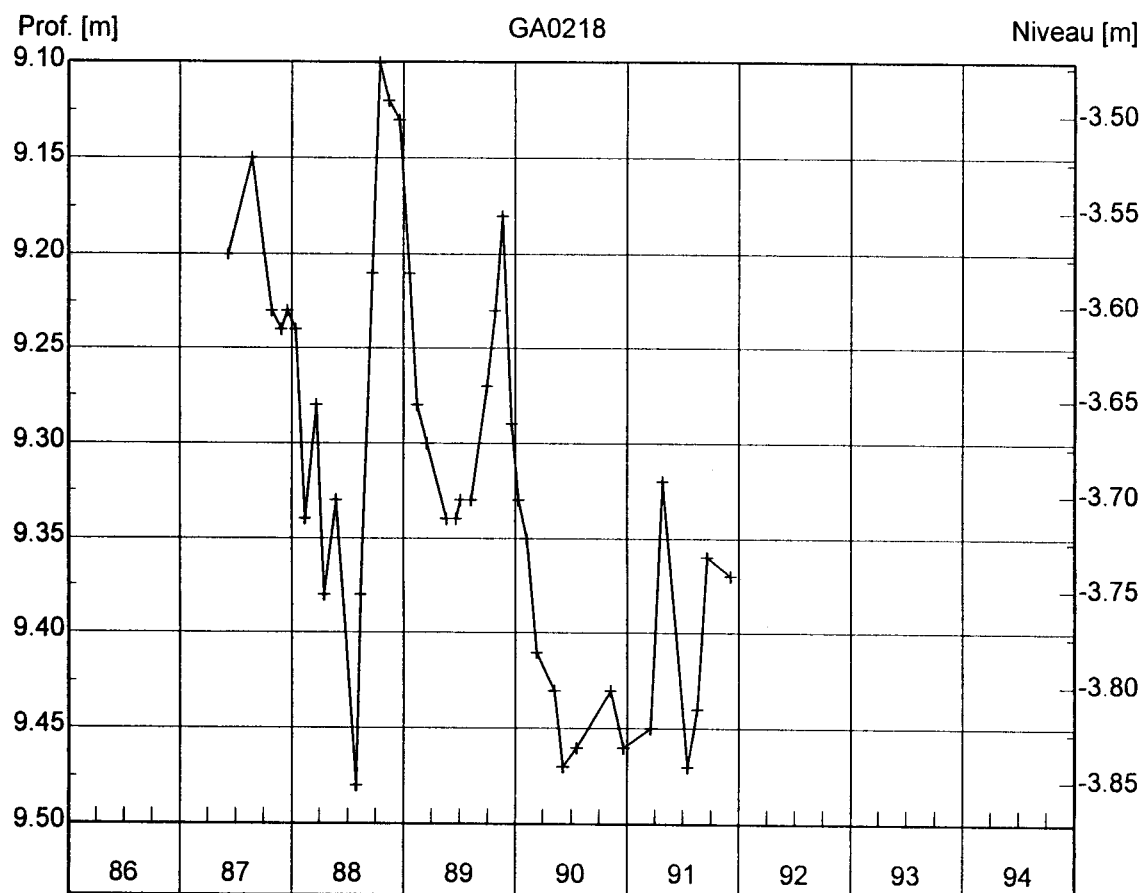


|                    |                     |
|--------------------|---------------------|
| Prof<br>3880       | Annee<br>1987       |
| Fleuve<br>NGALENKA | Dist eau<br>690     |
| Unite Geol<br>EM   | Unite Geom<br>X     |
| Limnim<br>9        | Dist Limn<br>32.100 |
| Pluviom<br>17      | Dist Pluv<br>0.300  |

| Date       | Niveau | Date       | Niveau | Date       | Niveau |
|------------|--------|------------|--------|------------|--------|
| 6 06 1987  | -3.95  | 18 01 1989 | -4.04  | 17 07 1990 | -4.19  |
| 24 08 1987 | -3.85  | 14 02 1989 | -4.06  | 21 08 1990 | -4.27  |
| 28 09 1987 | -3.51  | 18 03 1989 | -4.10  | 7 11 1990  | -4.18  |
| 27 10 1987 | -3.96  | 15 04 1989 | -4.25  | 19 12 1990 | -4.24  |
| 27 11 1987 | -4.00  | 21 05 1989 | -4.11  | 16 03 1991 | -4.21  |
| 19 12 1987 | -4.02  | 19 06 1989 | -4.11  | 18 08 1991 | -4.23  |
| 14 01 1988 | -4.17  | 4 07 1989  | -4.07  | 19 09 1991 | -4.21  |
| 14 01 1988 | -4.04  | 7 08 1989  | -4.04  | 5 12 1991  | -4.20  |
| 20 03 1988 | -4.08  | 28 09 1989 | -4.04  |            |        |
| 15 04 1988 | -4.12  | 25 10 1989 | -4.03  |            |        |
| 24 05 1988 | -4.12  | 20 11 1989 | -3.98  |            |        |
| 28 07 1988 | -4.18  | 20 12 1989 | -4.09  |            |        |
| 12 08 1988 | -4.14  | 10 01 1990 | -4.10  |            |        |
| 20 09 1988 | -3.97  | 7 02 1990  | -4.10  |            |        |
| 15 10 1988 | -3.93  | 10 03 1990 | -4.21  |            |        |
| 14 11 1988 | -3.95  | 8 05 1990  | -4.18  |            |        |
| 19 12 1988 | -3.98  | 4 06 1990  | -4.17  |            |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                      |             |                 |                           |                   |                     |
|----------------------|-------------|-----------------|---------------------------|-------------------|---------------------|
| Piézomètre<br>GA0218 |             | Pays<br>Sénégal |                           | Communauté rurale | Feuille : DAGANA 4B |
| X<br>475.6           | Y<br>1827.7 | Z<br>4.598      | Repère de mesure<br>5.628 |                   |                     |
| Coupe C2             |             |                 |                           |                   |                     |

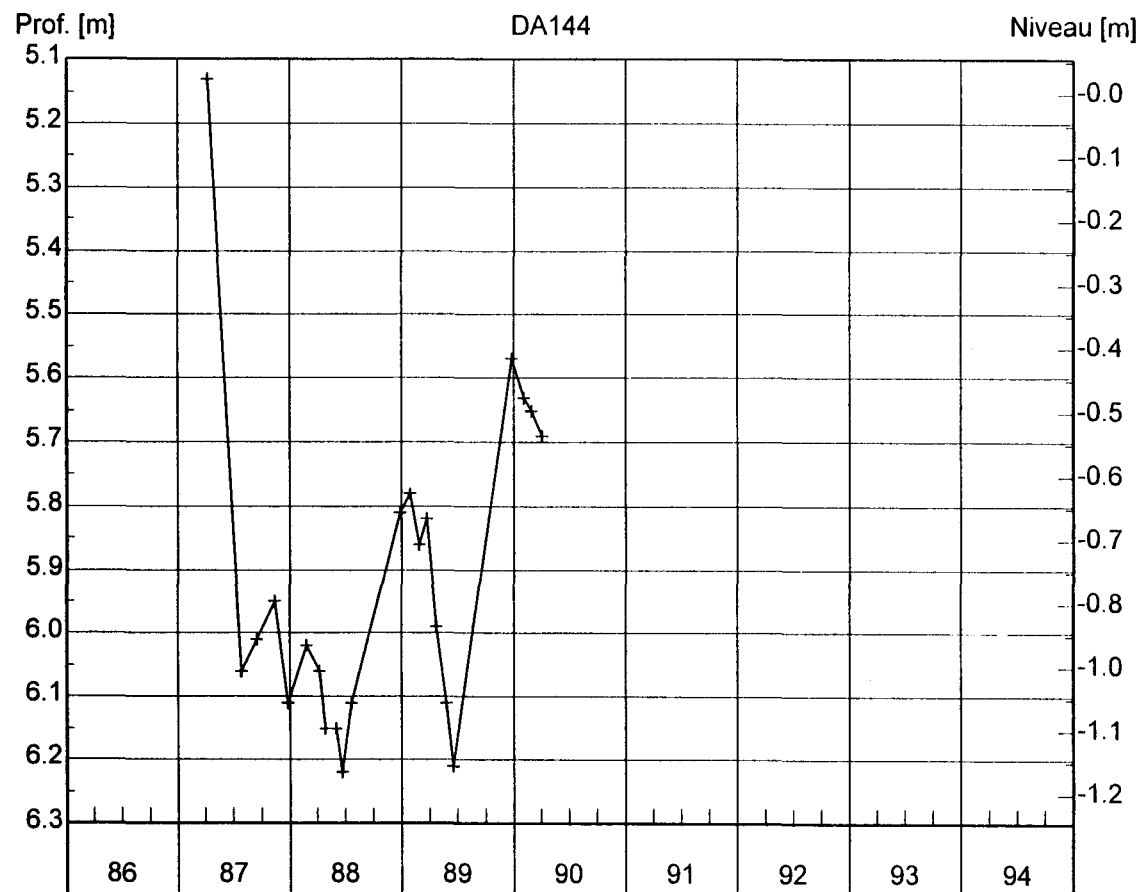


|                    |                     |
|--------------------|---------------------|
| Prof<br>1049       | Annee<br>1987       |
| Fleuve<br>NGALENKA | Dist eau<br>21      |
| Unite Geol<br>QT   | Unite Geom<br>A     |
| Limnim<br>9        | Dist Limn<br>31.900 |
| Pluviom<br>16      | Dist Pluv<br>1.300  |

| Date       | Niveau | Date       | Niveau | Date       | Niveau |
|------------|--------|------------|--------|------------|--------|
| 7 06 1987  | -3.57  | 14 02 1989 | -3.65  | 19 12 1990 | -3.83  |
| 24 08 1987 | -3.52  | 18 03 1989 | -3.67  | 16 03 1991 | -3.82  |
| 27 10 1987 | -3.60  | 21 05 1989 | -3.71  | 25 04 1991 | -3.69  |
| 27 11 1987 | -3.61  | 19 06 1989 | -3.71  | 16 07 1991 | -3.84  |
| 19 12 1987 | -3.60  | 4 07 1989  | -3.70  | 18 08 1991 | -3.81  |
| 14 01 1988 | -3.61  | 7 08 1989  | -3.70  | 18 09 1991 | -3.73  |
| 13 02 1988 | -3.71  | 28 09 1989 | -3.64  | 5 12 1991  | -3.74  |
| 20 03 1988 | -3.65  | 25 10 1989 | -3.60  |            |        |
| 15 04 1988 | -3.75  | 20 11 1989 | -3.55  |            |        |
| 24 05 1988 | -3.70  | 20 12 1989 | -3.66  |            |        |
| 28 07 1988 | -3.85  | 10 01 1990 | -3.70  |            |        |
| 12 08 1988 | -3.75  | 7 02 1990  | -3.72  |            |        |
| 20 09 1988 | -3.58  | 10 03 1990 | -3.78  |            |        |
| 15 10 1988 | -3.47  | 8 05 1990  | -3.80  |            |        |
| 14 11 1988 | -3.49  | 4 06 1990  | -3.84  |            |        |
| 19 12 1988 | -3.50  | 17 07 1990 | -3.83  |            |        |
| 18 01 1989 | -3.58  | 7 11 1990  | -3.80  |            |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                     |             |                    |                           |                   |                     |
|---------------------|-------------|--------------------|---------------------------|-------------------|---------------------|
| Piézomètre<br>DA144 |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : DAGANA 4B |
| X<br>475.8          | Y<br>1834.5 | Z<br>4.084         | Repère de mesure<br>5.104 |                   |                     |
| Coupe C2            |             |                    |                           |                   |                     |

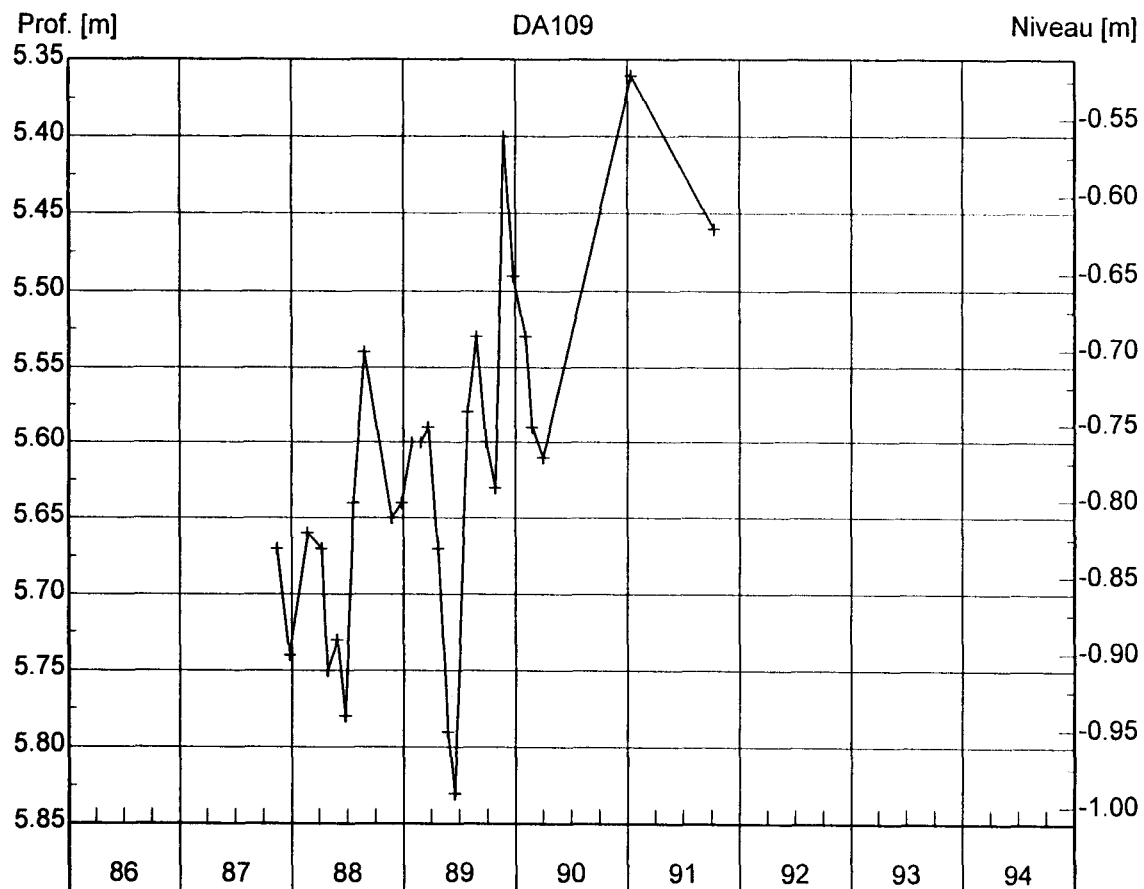


|                          |  |                     |                 |
|--------------------------|--|---------------------|-----------------|
| Prof<br>750              |  | Annee<br>1987       |                 |
| Fleuve<br>MARIGOT KIRAYE |  |                     | Dist eau<br>100 |
| Unite Geol<br>QT         |  | Unite Geom<br>M'    |                 |
| Limnim<br>9              |  | Dist Limn<br>29.700 |                 |
| Pluviom<br>16            |  | Dist Pluv<br>5.400  |                 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 9 04 1987  | -0.03  | 17 06 1989 | -1.11  |      |        |
| 27 07 1987 | -0.96  | 25 12 1989 | -0.47  |      |        |
| 16 09 1987 | -0.91  | 3 02 1990  | -0.53  |      |        |
| 13 11 1987 | -0.85  | 26 02 1990 | -0.55  |      |        |
| 25 12 1987 | -1.01  | 3 04 1990  | -0.59  |      |        |
| 24 02 1988 | -0.92  |            |        |      |        |
| 8 04 1988  | -0.96  |            |        |      |        |
| 27 04 1988 | -1.05  |            |        |      |        |
| 31 05 1988 | -1.05  |            |        |      |        |
| 21 06 1988 | -1.12  |            |        |      |        |
| 20 07 1988 | -1.01  |            |        |      |        |
| 25 12 1988 | -0.71  |            |        |      |        |
| 26 01 1989 | 0.68   |            |        |      |        |
| 24 02 1989 | -0.76  |            |        |      |        |
| 22 03 1989 | -0.72  |            |        |      |        |
| 22 04 1989 | -0.89  |            |        |      |        |
| 24 05 1989 | -1.01  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                     |             |                    |                           |                   |                     |
|---------------------|-------------|--------------------|---------------------------|-------------------|---------------------|
| Piézomètre<br>DA109 |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : DAGANA 4B |
| X<br>476.5          | Y<br>1837.1 | Z<br>3.809         | Repère de mesure<br>4.839 |                   |                     |
| Coupe C2            |             |                    |                           |                   |                     |

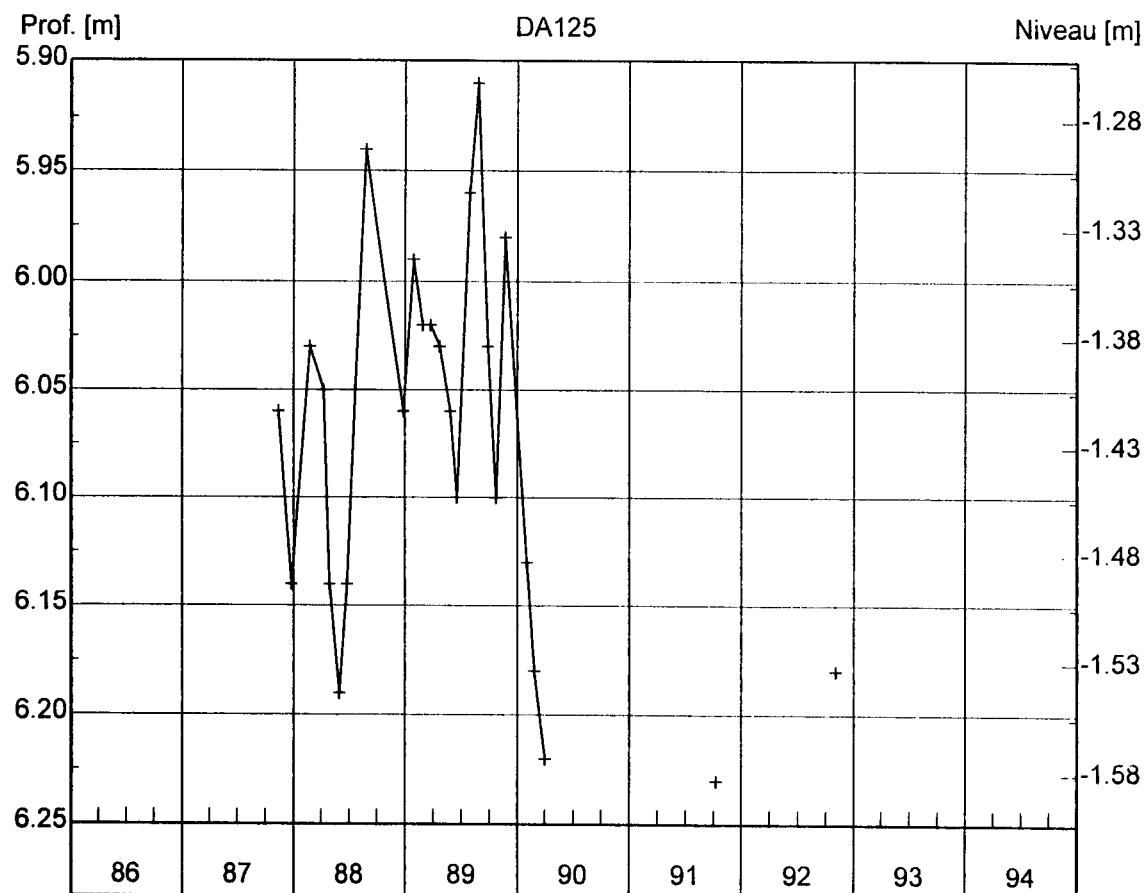


|                          |                     |
|--------------------------|---------------------|
| Prof<br>650              | Annee<br>1987       |
| Fleuve<br>MARIGOT KIRAYE | Dist eau<br>500     |
| Unite Geol<br>QT         | Unite Geom<br>M'    |
| Limnim<br>9              | Dist Limn<br>28.900 |
| Pluviom<br>16            | Dist Pluv<br>7.800  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 13 11 1987 | -0.83  | 30 07 1989 | -0.74  |      |        |
| 24 12 1987 | -0.90  | 26 08 1989 | -0.69  |      |        |
| 23 02 1988 | -0.82  | 27 09 1989 | -0.76  |      |        |
| 8 04 1988  | -0.83  | 25 10 1989 | -0.79  |      |        |
| 26 04 1988 | -0.91  | 23 11 1989 | -0.56  |      |        |
| 30 05 1988 | -0.89  | 24 12 1989 | -0.65  |      |        |
| 23 06 1988 | -0.94  | 2 02 1990  | -0.69  |      |        |
| 20 07 1988 | -0.80  | 25 02 1990 | -0.75  |      |        |
| 23 08 1988 | -0.70  | 31 03 1990 | -0.77  |      |        |
| 24 11 1988 | -0.81  | 11 01 1991 | -0.52  |      |        |
| 25 12 1988 | -0.80  | 8 10 1991  | -0.62  |      |        |
| 27 01 1989 | -0.76  |            |        |      |        |
| 25 02 1989 | -0.76  |            |        |      |        |
| 23 03 1989 | -0.75  |            |        |      |        |
| 22 04 1989 | -0.83  |            |        |      |        |
| 25 05 1989 | -0.95  |            |        |      |        |
| 18 06 1989 | -0.99  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                           |                            |
|----------------------------|-------------|--------------------|---------------------------|----------------------------|
| Piézomètre<br><b>DA125</b> |             | Pays<br>Mauritanie | Communauté rurale         | Feuille : <b>DAGANA 4B</b> |
| X<br>476.2                 | Y<br>1839.4 | Z<br>3.652         | Repère de mesure<br>4.652 | Coupe C2                   |

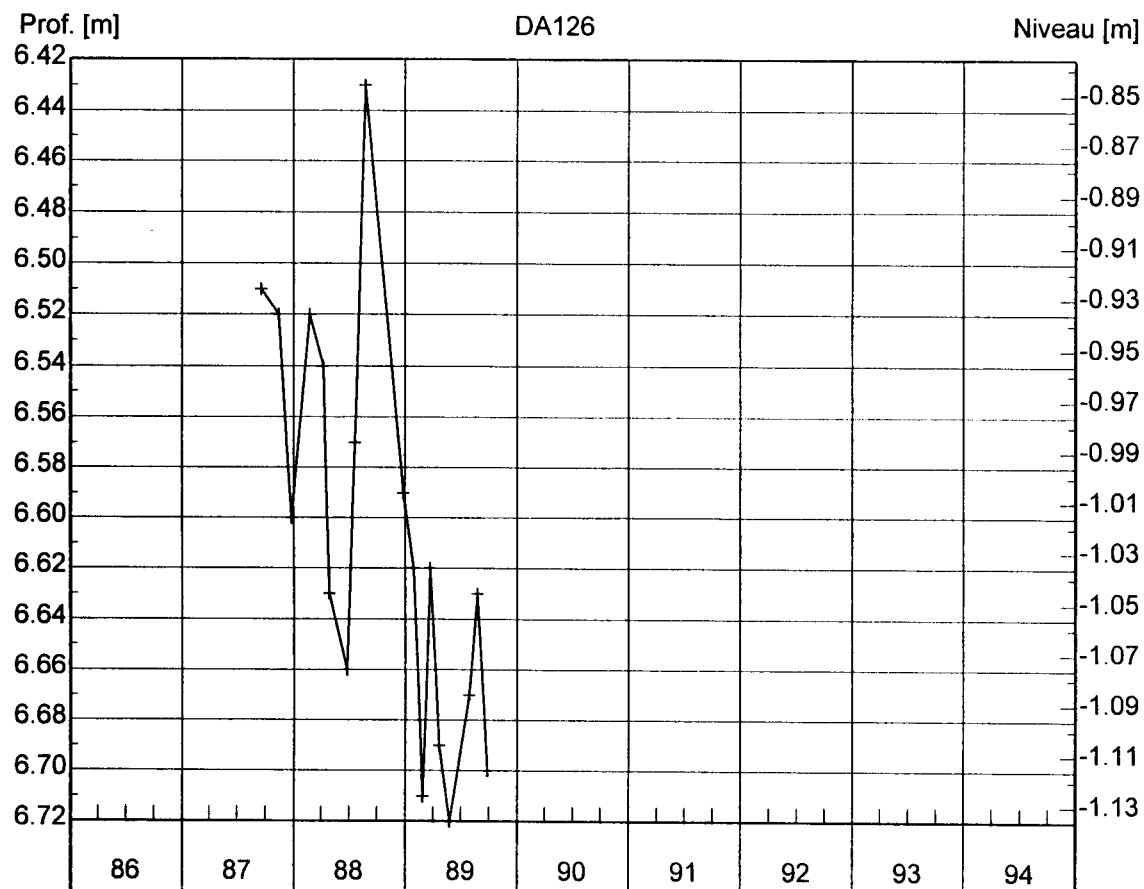


|                          |                     |
|--------------------------|---------------------|
| Prof<br>733              | Annee<br>1987       |
| Fleuve<br>MARIGOT KOUNDI | Dist eau<br>2200    |
| Unite Geol<br>Q'T        | Unite Geom<br>M'    |
| Limnim<br>9              | Dist Limn<br>29.400 |
| Pluviom<br>16            | Dist Pluv<br>10.000 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 13 11 1987 | -1.41  | 24 08 1989 | -1.26  |      |        |
| 24 12 1987 | -1.49  | 25 09 1989 | -1.38  |      |        |
| 23 02 1988 | -1.38  | 23 10 1989 | -1.45  |      |        |
| 8 04 1988  | -1.40  | 21 11 1989 | -1.33  |      |        |
| 26 04 1988 | -1.49  | 31 01 1990 | -1.48  |      |        |
| 30 05 1988 | -1.54  | 24 02 1990 | -1.53  |      |        |
| 22 06 1988 | -1.49  | 31 03 1990 | -1.57  |      |        |
| 20 07 1988 | -1.40  | 8 10 1991  | -1.58  |      |        |
| 23 08 1988 | -1.29  | 3 11 1992  | -1.53  |      |        |
| 25 12 1988 | -1.41  |            |        |      |        |
| 27 01 1989 | -1.34  |            |        |      |        |
| 25 02 1989 | -1.37  |            |        |      |        |
| 23 03 1989 | -1.37  |            |        |      |        |
| 21 04 1989 | -1.38  |            |        |      |        |
| 25 05 1989 | -1.41  |            |        |      |        |
| 18 06 1989 | -1.45  |            |        |      |        |
| 29 07 1989 | -1.31  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                           |                   |                            |
|----------------------------|-------------|--------------------|---------------------------|-------------------|----------------------------|
| Piézomètre<br><b>DA126</b> |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : <b>DAGANA 4B</b> |
| X<br>476.8                 | Y<br>1841.8 | Z<br>4.524         | Repère de mesure<br>5.584 |                   | Coupe C2                   |



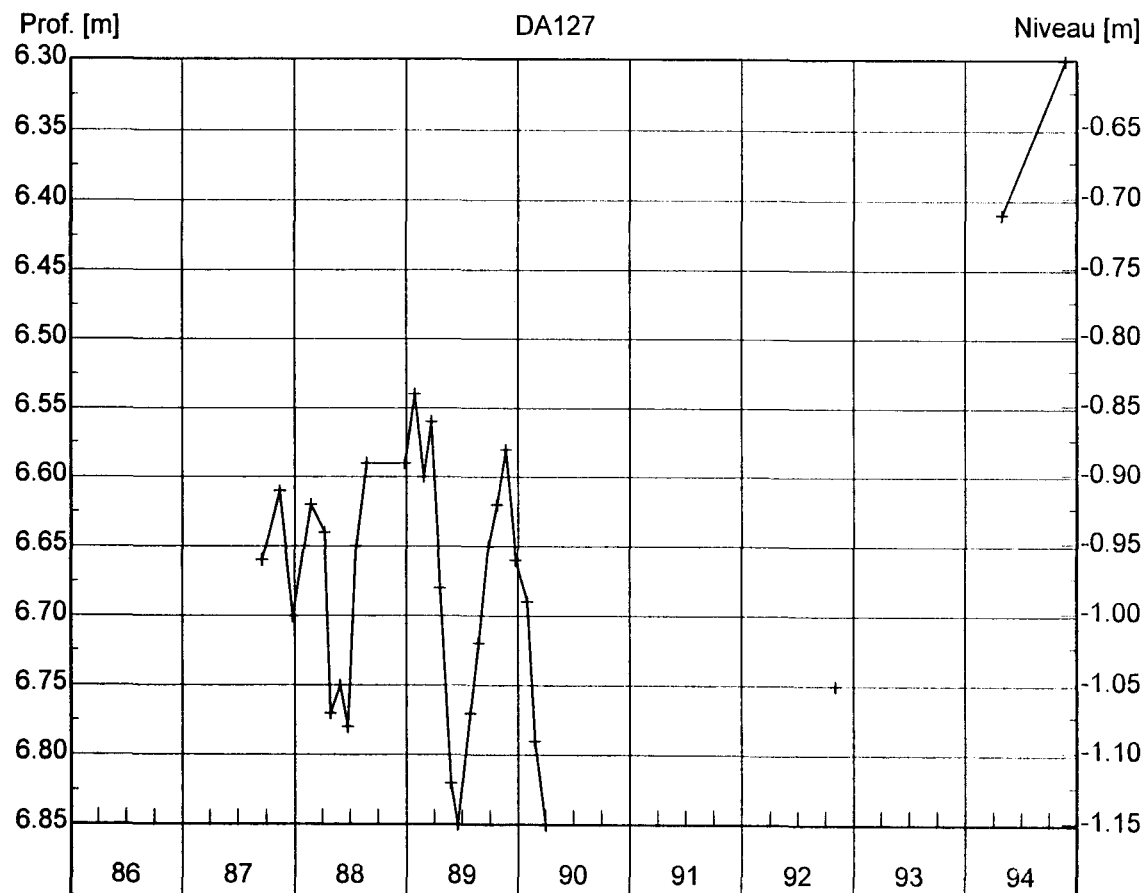
|                          |                     |
|--------------------------|---------------------|
| Prof<br>550              | Annee<br>1987       |
| Fleuve<br>MARIGOT KOUNDI | Dist eau<br>2200    |
| Unite Geol<br>QT         | Unite Geom<br>M'    |
| Limnim<br>9              | Dist Limn<br>28.800 |
| Pluviom<br>16            | Dist Pluv<br>12.400 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 16 09 1987 | -0.93  | 25 09 1989 | -1.12  |      |        |
| 13 11 1987 | -0.94  |            |        |      |        |
| 24 12 1987 | -1.02  |            |        |      |        |
| 23 02 1988 | -0.94  |            |        |      |        |
| 8 04 1988  | 0.96   |            |        |      |        |
| 26 04 1988 | -1.05  |            |        |      |        |
| 22 06 1988 | -1.08  |            |        |      |        |
| 19 07 1988 | -0.99  |            |        |      |        |
| 23 08 1988 | -0.85  |            |        |      |        |
| 25 12 1988 | -1.01  |            |        |      |        |
| 27 01 1989 | -1.04  |            |        |      |        |
| 25 02 1989 | -1.13  |            |        |      |        |
| 23 03 1989 | -1.04  |            |        |      |        |
| 21 04 1989 | -1.11  |            |        |      |        |
| 25 05 1989 | -1.14  |            |        |      |        |
| 29 07 1989 | -1.09  |            |        |      |        |
| 24 08 1989 | -1.05  |            |        |      |        |



# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                           |                            |
|----------------------------|-------------|--------------------|---------------------------|----------------------------|
| Piézomètre<br><b>DA127</b> |             | Pays<br>Mauritanie | Communauté rurale         | Feuille : <b>DAGANA 4B</b> |
| X<br>476.9                 | Y<br>1842.9 | Z<br>4.688         | Repère de mesure<br>5.698 | Coupe C2                   |

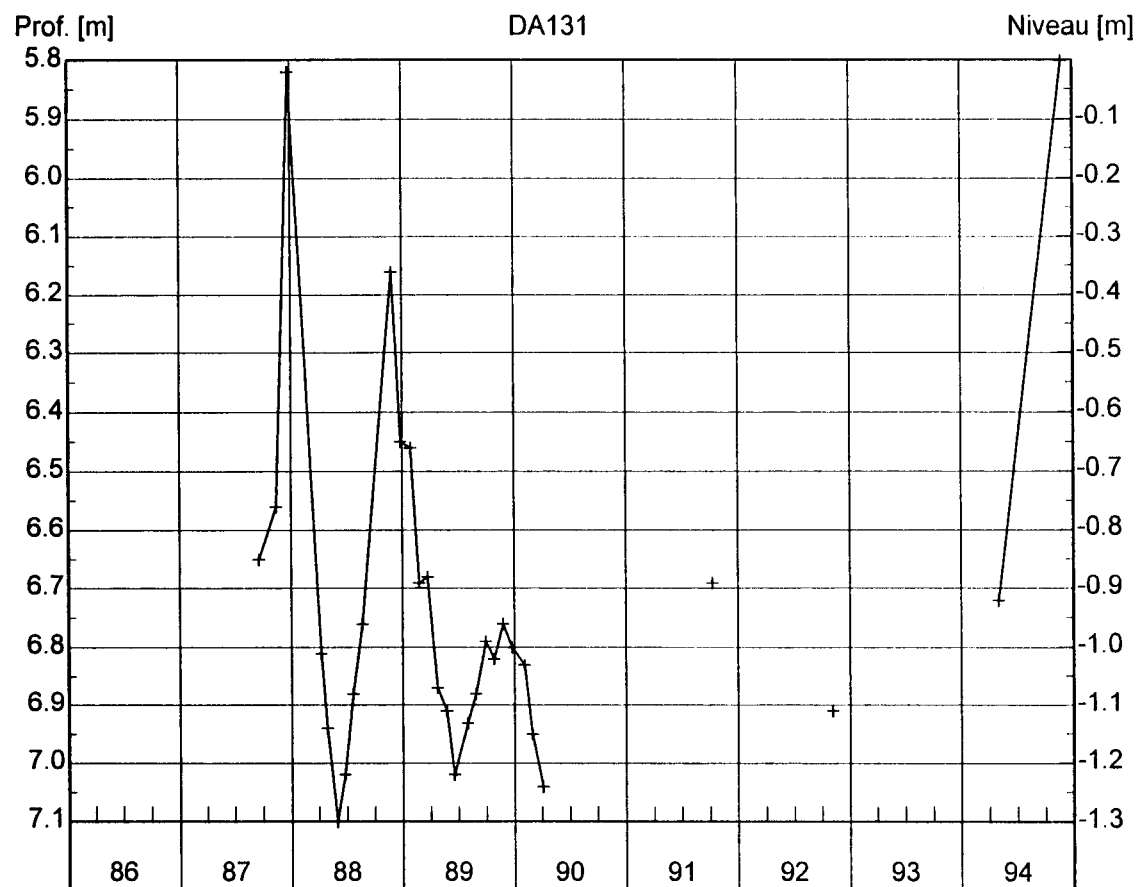


|                          |                     |
|--------------------------|---------------------|
| Prof<br>2127             | Annee<br>1987       |
| Fleuve<br>MARIGOT KOUNDI | Dist eau<br>1000    |
| Unite Geol<br>CT         | Unite Geom<br>M'    |
| Limnim<br>9              | Dist Limn<br>29.000 |
| Pluviom<br>16            | Dist Pluv<br>13.700 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 16 09 1987 | -0.96  | 29 07 1989 | -1.07  |      |        |
| 13 11 1987 | -0.91  | 24 08 1989 | -1.02  |      |        |
| 24 12 1987 | -1.00  | 25 09 1989 | -0.95  |      |        |
| 23 02 1988 | -0.92  | 23 10 1989 | -0.92  |      |        |
| 08 04 1988 | -0.94  | 21 11 1989 | -0.88  |      |        |
| 26 04 1988 | -1.07  | 23 12 1989 | -0.96  |      |        |
| 30 05 1988 | -1.05  | 31 01 1990 | -0.99  |      |        |
| 22 06 1988 | -1.06  | 24 02 1990 | -1.09  |      |        |
| 19 07 1988 | -0.95  | 31 03 1990 | -1.15  |      |        |
| 23 08 1988 | -0.89  | 3 11 1992  | -1.05  |      |        |
| 25 12 1988 | -0.89  | 19 04 1994 | -0.71  |      |        |
| 27 01 1989 | -0.84  | 25 11 1994 | -0.60  |      |        |
| 25 02 1989 | -0.90  |            |        |      |        |
| 23 03 1989 | -0.86  |            |        |      |        |
| 21 04 1989 | -0.98  |            |        |      |        |
| 25 05 1989 | -1.12  |            |        |      |        |
| 18 06 1989 | -1.15  |            |        |      |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                     |             |                    |                           |                   |                     |
|---------------------|-------------|--------------------|---------------------------|-------------------|---------------------|
| Piézomètre<br>DA131 |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : DAGANA 4B |
| X<br>486.6          | Y<br>1834.4 | Z<br>4.779         | Repère de mesure<br>5.799 |                   |                     |
|                     |             |                    |                           |                   | Coupe C3            |

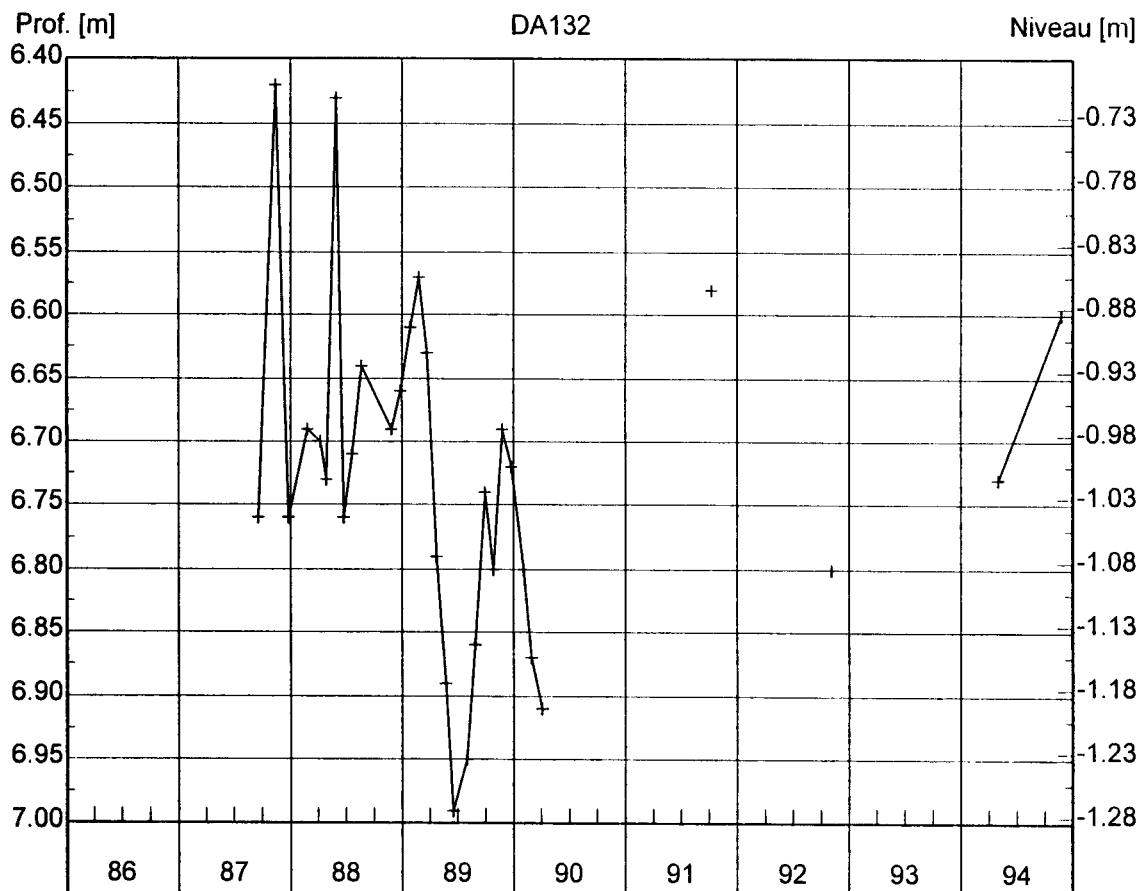


|                       |                     |
|-----------------------|---------------------|
| Prof<br>2250          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>1500    |
| Unite Geol<br>QT      | Unite Geom<br>M'    |
| Limnim<br>9           | Dist Limn<br>19.200 |
| Pluviom<br>18         | Dist Pluv<br>7.900  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 16/09/1987 | -0.85  | 31/07/1989 | -1.13  |      |        |
| 13/11/1987 | -0.76  | 27/08/1989 | -1.08  |      |        |
| 25/12/1987 | -0.02  | 28/09/1989 | -0.99  |      |        |
| 07/04/1988 | -1.01  | 26/10/1989 | -1.02  |      |        |
| 27/04/1988 | -1.14  | 25/11/1989 | -0.96  |      |        |
| 30/05/1988 | -1.30  | 24/12/1989 | -1.00  |      |        |
| 22/06/1988 | -1.22  | 03/02/1990 | -1.03  |      |        |
| 20/07/1988 | -1.08  | 26/02/1990 | -1.15  |      |        |
| 22/08/1988 | -0.96  | 03/04/1990 | -1.24  |      |        |
| 26/11/1988 | -0.36  | 08/10/1991 | -0.89  |      |        |
| 26/12/1988 | -0.65  | 05/11/1992 | -1.11  |      |        |
| 26/01/1989 | -0.66  | 30/04/1994 | -0.92  |      |        |
| 24/02/1989 | -0.89  | 25/11/1994 | -0.00  |      |        |
| 22/03/1989 | -0.88  |            |        |      |        |
| 23/04/1989 | -1.07  |            |        |      |        |
| 24/05/1989 | -1.11  |            |        |      |        |
| 17/06/1989 | -1.22  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

| Piézomètre<br>DA132 |             | Pays<br>Mauritanie | Communauté rurale         | Feuille : DAGANA 4B |
|---------------------|-------------|--------------------|---------------------------|---------------------|
| X<br>486.6          | Y<br>1834.4 | Z<br>4.750         | Repère de mesure<br>5.720 | Coupe C3            |

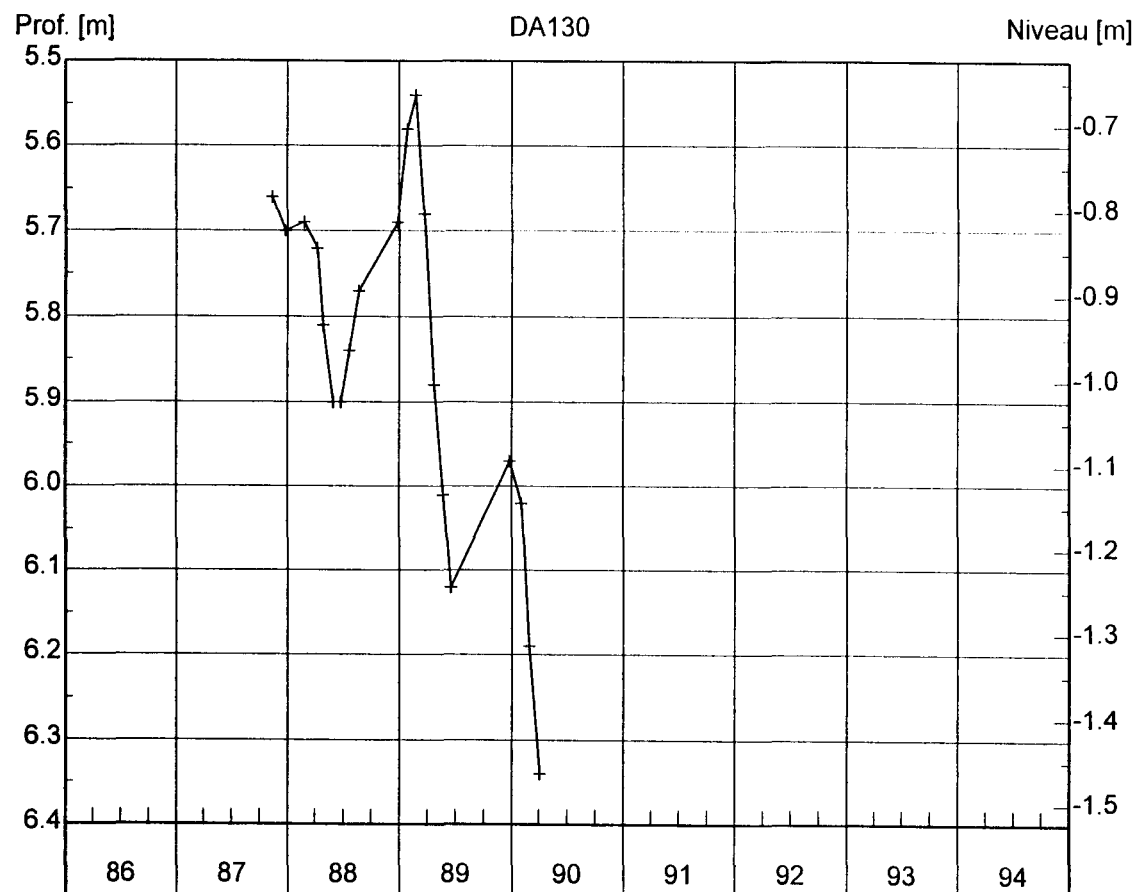


|                       |                     |
|-----------------------|---------------------|
| Prof<br>950           | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>1500    |
| Unite Geol<br>QT      | Unite Geom<br>M'    |
| Limnim<br>9           | Dist Limn<br>19.200 |
| Pluviom<br>18         | Dist Pluv<br>7.900  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 16 09 1987 | -1.04  | 17 06 1989 | -1.27  |      |        |
| 13 11 1987 | -0.70  | 31 07 1989 | -1.23  |      |        |
| 25 12 1987 | -1.04  | 27 08 1989 | -1.14  |      |        |
| 24 02 1988 | -0.97  | 28 09 1989 | -1.02  |      |        |
| 7 04 1988  | -0.98  | 26 10 1989 | -1.08  |      |        |
| 27 04 1988 | -1.01  | 25 11 1989 | -0.97  |      |        |
| 30 05 1988 | -0.71  | 24 12 1989 | -1.00  |      |        |
| 22 06 1988 | -1.04  | 3 02 1990  | -1.08  |      |        |
| 20 07 1988 | -0.99  | 26 02 1990 | -1.15  |      |        |
| 22 08 1988 | -0.92  | 3 04 1990  | -1.19  |      |        |
| 26 11 1988 | -0.97  | 8 10 1991  | -0.86  |      |        |
| 26 12 1988 | -0.94  | 5 11 1992  | -1.08  |      |        |
| 26 01 1989 | -0.89  | 30 04 1994 | -1.01  |      |        |
| 24 02 1989 | -0.85  | 25 11 1994 | -0.88  |      |        |
| 22 03 1989 | -0.91  |            |        |      |        |
| 23 04 1989 | -1.07  |            |        |      |        |
| 24 05 1989 | -1.17  |            |        |      |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                            |             |                    |                           |                   |                            |
|----------------------------|-------------|--------------------|---------------------------|-------------------|----------------------------|
| Piézomètre<br><b>DA130</b> |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : <b>DAGANA 4B</b> |
| X<br>486.7                 | Y<br>1836.3 | Z<br>3.906         | Repère de mesure<br>4.876 |                   | Coupe C3                   |

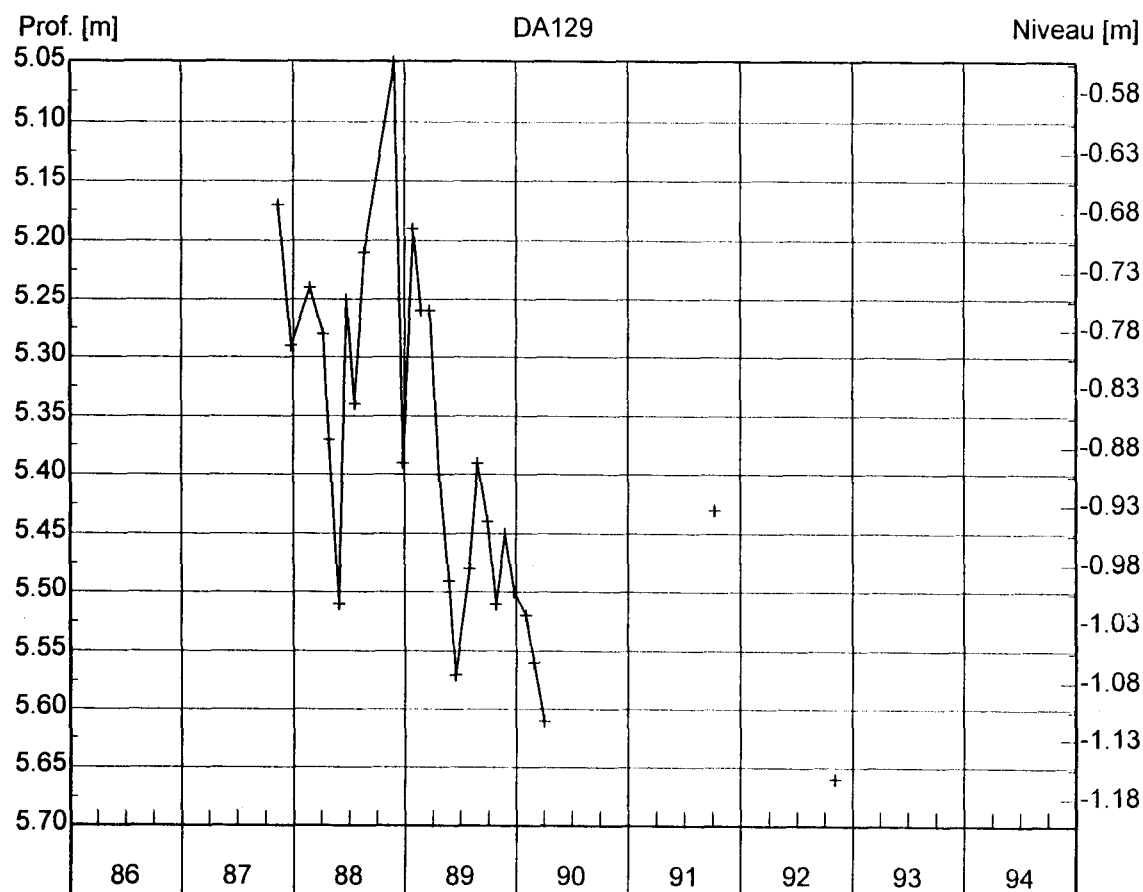


|                       |                     |
|-----------------------|---------------------|
| Prof<br>1450          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>2500    |
| Unite Geol<br>QT      | Unite Geom<br>A     |
| Limnim<br>9           | Dist Limn<br>13.300 |
| Pluviom<br>18         | Dist Pluv<br>9.700  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 13 11 1987 | -0.78  | 3 02 1990  | -1.14  |      |        |
| 25 12 1987 | -0.82  | 26 02 1990 | -1.31  |      |        |
| 24 02 1988 | -0.81  | 3 04 1990  | -1.46  |      |        |
| 7 04 1988  | -0.84  |            |        |      |        |
| 27 04 1988 | -0.93  |            |        |      |        |
| 30 05 1988 | -1.02  |            |        |      |        |
| 22 06 1988 | -1.02  |            |        |      |        |
| 20 07 1988 | -0.96  |            |        |      |        |
| 22 08 1988 | -0.89  |            |        |      |        |
| 26 12 1988 | -0.81  |            |        |      |        |
| 26 01 1989 | -0.70  |            |        |      |        |
| 24 02 1989 | -0.66  |            |        |      |        |
| 22 03 1989 | -0.80  |            |        |      |        |
| 23 04 1989 | -1.00  |            |        |      |        |
| 24 05 1989 | -1.13  |            |        |      |        |
| 17 06 1989 | -1.24  |            |        |      |        |
| 24 12 1989 | -1.09  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                     |             |                    |                           |                   |                     |
|---------------------|-------------|--------------------|---------------------------|-------------------|---------------------|
| Piézomètre<br>DA129 |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : DAGANA 4B |
| X<br>486.4          | Y<br>1838.3 | Z<br>3.522         | Repère de mesure<br>4.502 |                   |                     |
| Coupe C3            |             |                    |                           |                   |                     |

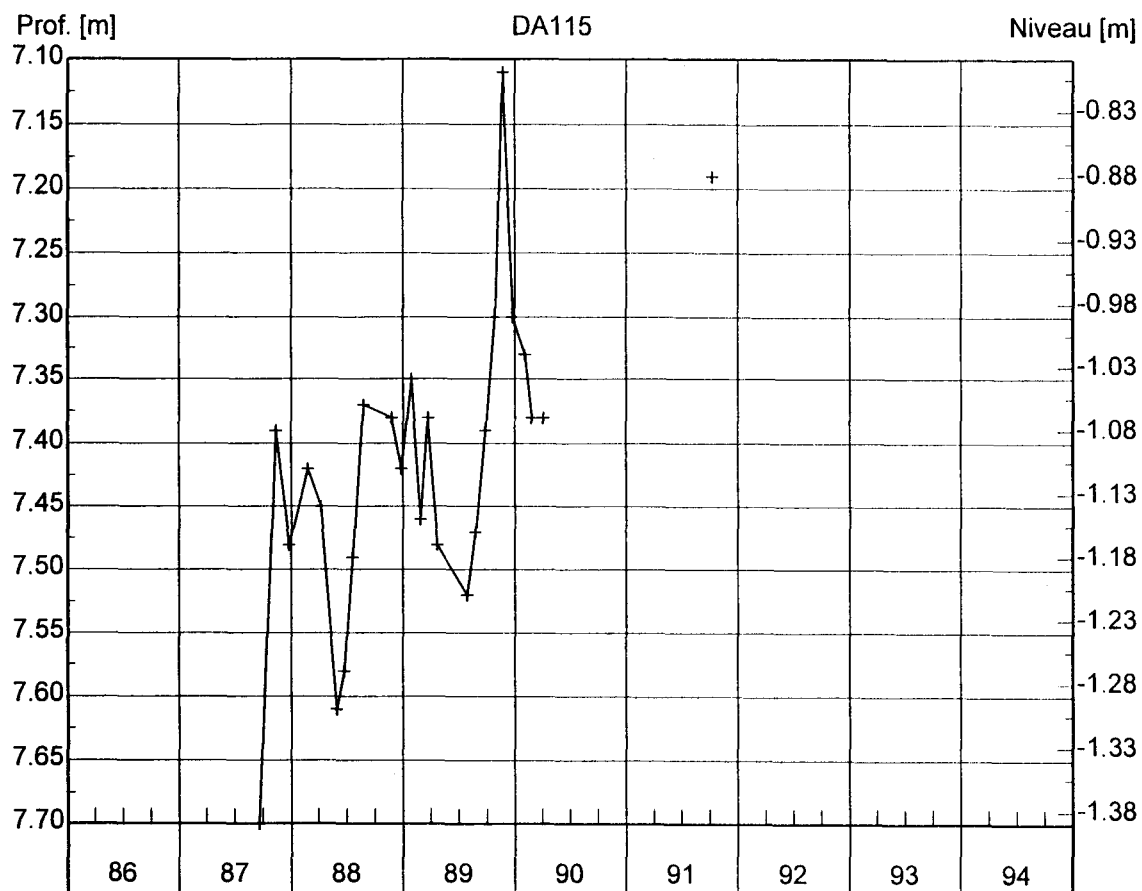


|                       |                     |
|-----------------------|---------------------|
| Prof<br>1850          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>1000    |
| Unite Geol<br>QT      | Unite Geom<br>M'    |
| Limnim<br>9           | Dist Limn<br>13.400 |
| Pluviom<br>18         | Dist Pluv<br>11.700 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 13 11 1987 | -0.67  | 30 07 1989 | -0.98  |      |        |
| 25 12 1987 | -0.79  | 27 08 1989 | -0.89  |      |        |
| 24 02 1988 | -0.74  | 28 09 1989 | -0.94  |      |        |
| 7 04 1988  | -0.78  | 26 10 1989 | -1.01  |      |        |
| 27 04 1988 | -0.87  | 25 11 1989 | -0.95  |      |        |
| 30 05 1988 | -1.01  | 24 12 1989 | -1.00  |      |        |
| 22 06 1988 | -0.75  | 3 02 1990  | -1.02  |      |        |
| 20 07 1988 | -0.84  | 26 02 1990 | -1.06  |      |        |
| 22 08 1988 | -0.71  | 3 04 1990  | -1.11  |      |        |
| 26 11 1988 | -0.55  | 3 10 1991  | -0.93  |      |        |
| 26 12 1988 | -0.89  | 5 11 1992  | -1.16  |      |        |
| 20 01 1989 | -0.69  |            |        |      |        |
| 24 02 1989 | -0.76  |            |        |      |        |
| 22 03 1989 | -0.76  |            |        |      |        |
| 23 04 1989 | -0.90  |            |        |      |        |
| 25 05 1989 | -0.99  |            |        |      |        |
| 17 06 1989 | -1.07  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                           |                            |
|----------------------------|-------------|--------------------|---------------------------|----------------------------|
| Piézomètre<br><b>DA115</b> |             | Pays<br>Mauritanie | Communauté rurale         | Feuille : <b>DAGANA 4B</b> |
| X<br>486.0                 | Y<br>1840.1 | Z<br>5.355         | Repère de mesure<br>6.315 | Coupe C3                   |

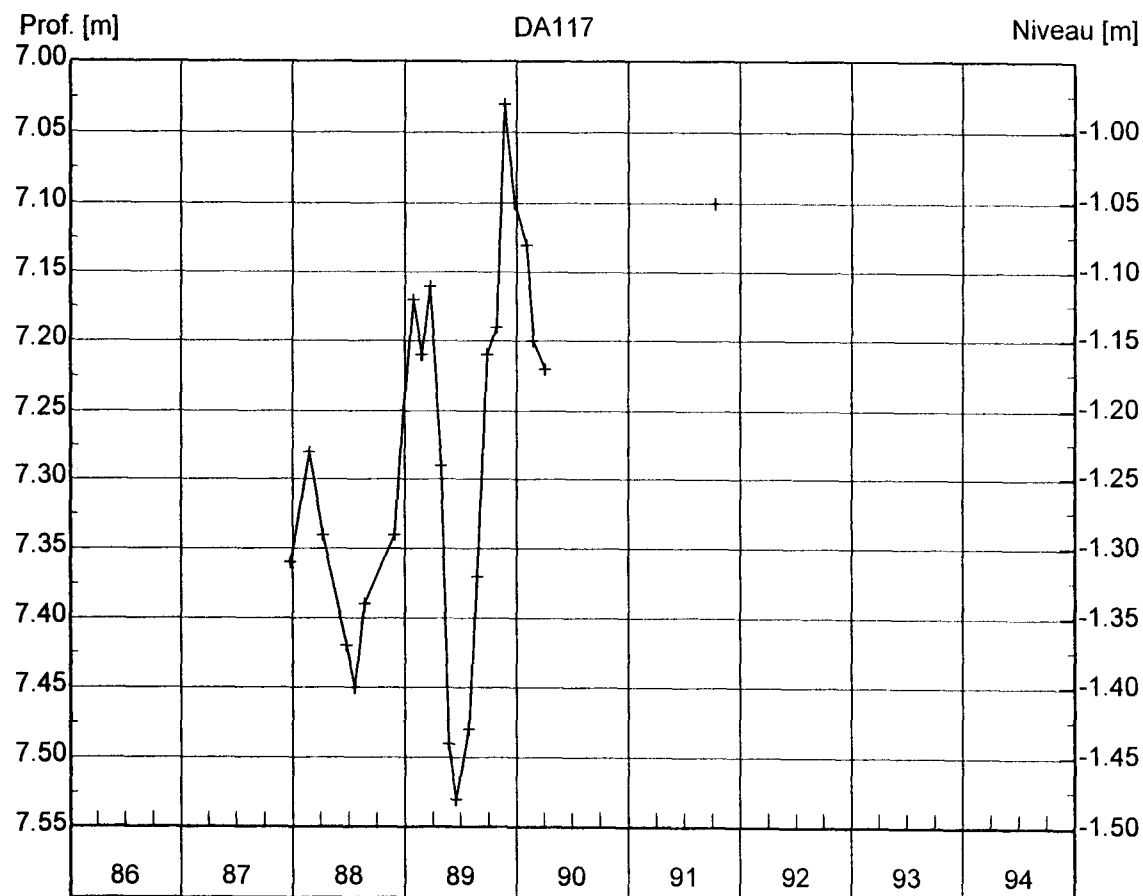


|                       |                     |
|-----------------------|---------------------|
| Prof<br>650           | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>900     |
| Unite Geol<br>QT      | Unite Geom<br>M'    |
| Limnim<br>9           | Dist Limn<br>19.500 |
| Pluviom<br>18         | Dist Pluv<br>13.600 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 16 09 1987 | -1.38  | 27 09 1989 | -1.07  |      |        |
| 13 11 1987 | -1.07  | 25 10 1989 | -0.99  |      |        |
| 24 12 1987 | -1.16  | 23 11 1989 | -0.80  |      |        |
| 24 02 1988 | -1.11  | 24 12 1989 | -0.99  |      |        |
| 7 04 1988  | -1.13  | 2 02 1990  | -1.01  |      |        |
| 30 05 1988 | -1.30  | 25 02 1990 | -1.07  |      |        |
| 22 06 1988 | -1.26  | 2 04 1990  | -1.07  |      |        |
| 20 07 1988 | -1.17  | 8 10 1991  | -0.88  |      |        |
| 23 08 1988 | -1.05  |            |        |      |        |
| 24 11 1988 | -1.07  |            |        |      |        |
| 25 12 1988 | -1.11  |            |        |      |        |
| 26 01 1989 | -1.03  |            |        |      |        |
| 25 02 1989 | -1.14  |            |        |      |        |
| 22 03 1989 | -1.07  |            |        |      |        |
| 22 04 1989 | -1.16  |            |        |      |        |
| 30 07 1989 | -1.20  |            |        |      |        |
| 26 08 1989 | -1.15  |            |        |      |        |

## VARIATION DU NIVEAU PIEZOMETRIQUE

|                            |             |                    |                           |                            |
|----------------------------|-------------|--------------------|---------------------------|----------------------------|
| Piézomètre<br><b>DA117</b> |             | Pays<br>Mauritanie | Communauté rurale         | <b>Feuille : DAGANA 4B</b> |
| X<br>486.5                 | Y<br>1845.0 | Z<br>5.069         | Repère de mesure<br>6.049 | Coupe C3                   |

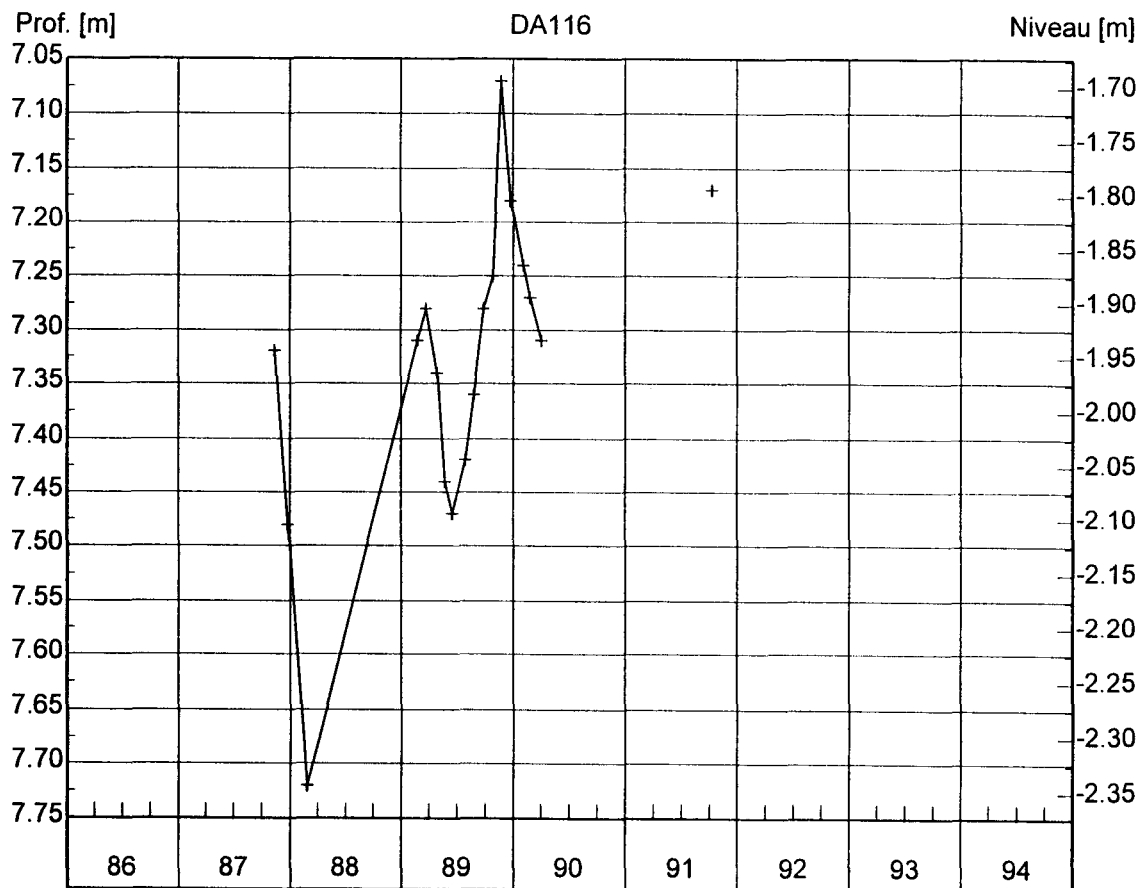


|                |            |
|----------------|------------|
| Prof           | Annee      |
| 650            | 1987       |
| Fluveu         | Dist eau   |
| MARIGOT KOUNDI | 1000       |
| Unite Geol     | Unite Geom |
| QT             | M          |
| Limnim         | Dist Limn  |
| 9              | 19.100     |
| Pluviom        | Dist Pluv  |
| 18             | 18.200     |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 25 12 1987 | -1.31  | 25 10 1989 | -1.14  |      |        |
| 24 02 1988 | -1.23  | 23 11 1989 | -0.98  |      |        |
| 7 04 1988  | -1.29  | 25 12 1989 | -1.05  |      |        |
| 22 06 1988 | -1.37  | 2 02 1990  | -1.08  |      |        |
| 20 07 1988 | -1.40  | 25 02 1990 | -1.15  |      |        |
| 22 08 1988 | -1.34  | 2 04 1990  | -1.17  |      |        |
| 26 11 1988 | -1.23  | 11 10 1991 | -1.05  |      |        |
| 26 12 1988 | -1.20  |            |        |      |        |
| 26 01 1989 | -1.12  |            |        |      |        |
| 24 02 1989 | -1.16  |            |        |      |        |
| 22 03 1989 | -1.11  |            |        |      |        |
| 29 04 1989 | -1.24  |            |        |      |        |
| 24 05 1989 | -1.44  |            |        |      |        |
| 17 06 1989 | -1.48  |            |        |      |        |
| 30 07 1989 | -1.43  |            |        |      |        |
| 26 08 1989 | -1.32  |            |        |      |        |
| 27 09 1989 | -1.16  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                     |             |                    |                           |                   |                     |
|---------------------|-------------|--------------------|---------------------------|-------------------|---------------------|
| Piézomètre<br>DA116 |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : DAGANA 4B |
| X<br>486.7          | Y<br>1843.8 | Z<br>4.396         | Repère de mesure<br>5.376 |                   |                     |
| Coupe C3            |             |                    |                           |                   |                     |



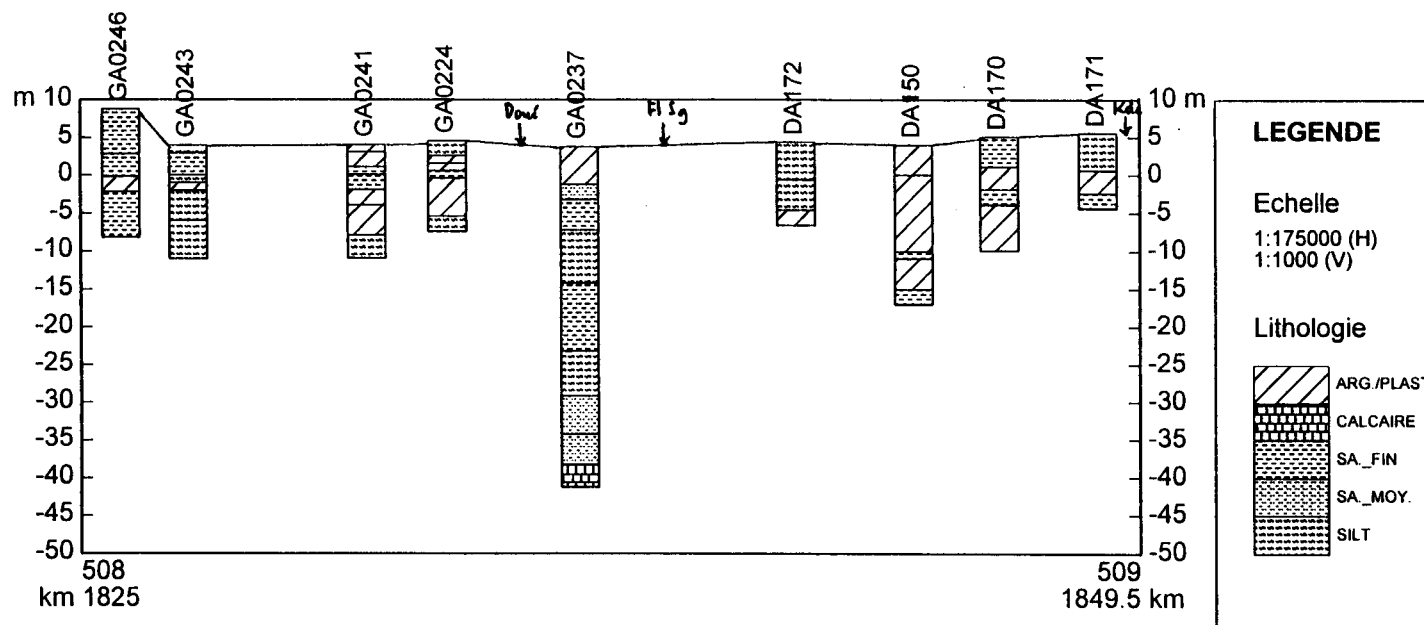
|                       |                     |
|-----------------------|---------------------|
| Prof<br>850           | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>1700    |
| Unite Geol<br>QT      | Unite Geom<br>M     |
| Limnim<br>9           | Dist Limn<br>19.600 |
| Pluviom<br>18         | Dist Pluv<br>16.400 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 13 11 1987 | -1.94  | 11 10 1991 | -1.79  |      |        |
| 25 12 1987 | -2.10  |            |        |      |        |
| 24 02 1988 | -2.34  |            |        |      |        |
| 24 02 1989 | -1.93  |            |        |      |        |
| 22 03 1989 | -1.90  |            |        |      |        |
| 29 04 1989 | -1.96  |            |        |      |        |
| 24 05 1989 | -2.06  |            |        |      |        |
| 17 06 1989 | -2.09  |            |        |      |        |
| 30 07 1989 | -2.04  |            |        |      |        |
| 26 08 1989 | -1.98  |            |        |      |        |
| 27 09 1989 | -1.90  |            |        |      |        |
| 25 10 1989 | -1.87  |            |        |      |        |
| 23 11 1989 | -1.69  |            |        |      |        |
| 25 12 1989 | -1.80  |            |        |      |        |
| 2 02 1990  | -1.86  |            |        |      |        |
| 25 02 1990 | -1.89  |            |        |      |        |
| 2 04 1990  | -1.93  |            |        |      |        |





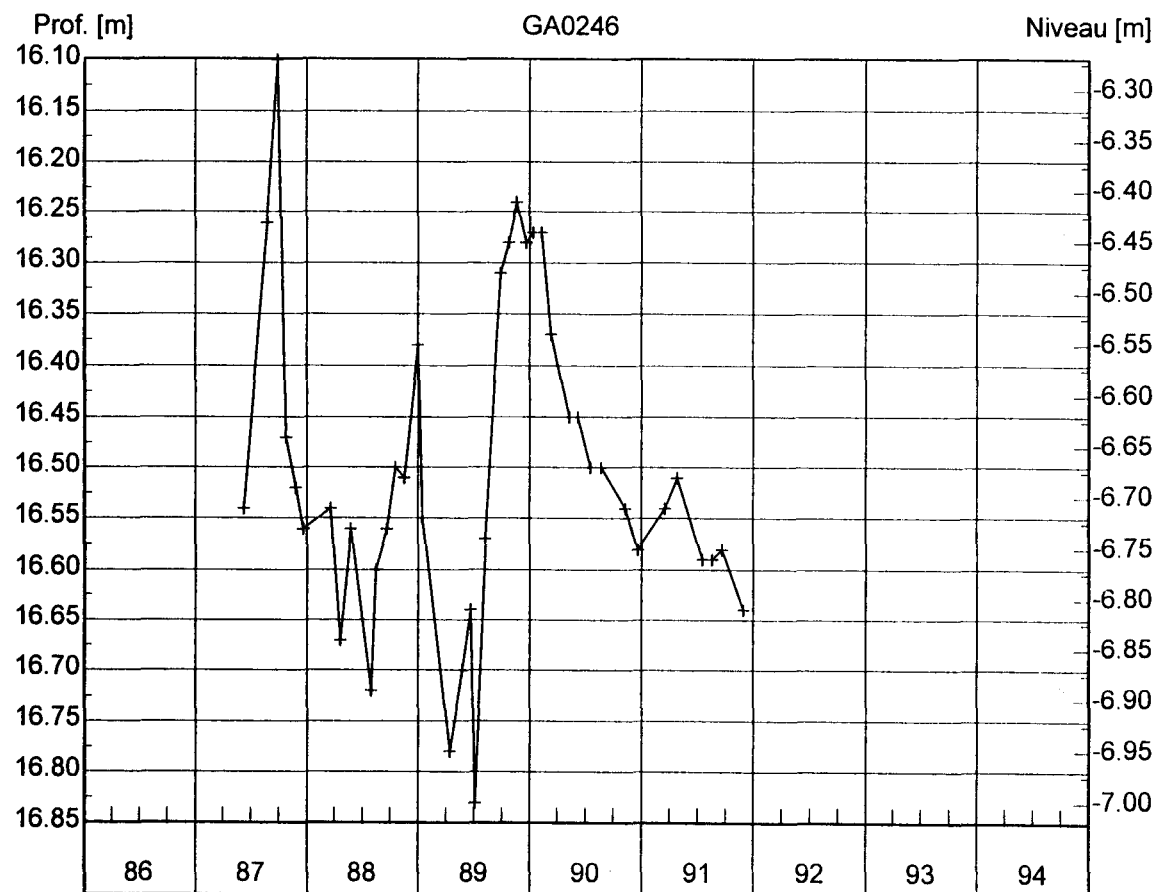
# **PROFIL LITHO-STRATIGRAPHIQUE C4 - PODOR 3A**



| idouv  | mtux  | mtuy   | z     | elrepign | profouv | geolid | geomid | lgcrep | profhcre | descstrat  |
|--------|-------|--------|-------|----------|---------|--------|--------|--------|----------|------------|
| DA150  | 508.2 | 1844.3 | 4.062 | 5.112    | 2060    | QT     | A      | 100    | 1910     | SABLE FIN  |
| DA170  | 508.2 | 1846.3 | 5.133 | 6.173    | 840     | QT     | O      | 100    | 690      | SABLE FIN  |
| DA171  | 507.7 | 1848.6 | 5.677 | 6.717    | 960     | QT     | M      | 100    | 810      | SABLE FIN  |
| DA172  | 507.6 | 1841.6 | 4.451 | 5.471    | 950     | QT     | A      | 100    | 800      | SILT       |
| GA0224 | 505.6 | 1833.6 | 4.671 | 5.671    | 1146    | QT     | A      | 100    | 996      | SILT       |
| GA0237 | 507.2 | 1836.6 | 3.893 | 4.893    | 4420    | QT     | M      | 100    | 4220     | SABLE MOY. |
| GA0241 | 506.9 | 1831.7 | 4.168 | 5.218    | 1460    | QT     | A      | 100    | 1310     | SILT       |
| GA0243 | 508.2 | 1827.5 | 4.097 | 5.107    | 1462    | QT     | N      | 100    | 1312     | SILT       |
| GA0246 | 509.4 | 1825.9 | 8.82  | 9.83     | 1658    | QT     | X      | 100    | 1508     | SABLE FIN  |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                      |             |                 |                           |                   |                    |
|----------------------|-------------|-----------------|---------------------------|-------------------|--------------------|
| Piézomètre<br>GA0246 |             | Pays<br>Sénégal |                           | Communauté rurale | Feuille : PODOR 3A |
| X<br>509.4           | Y<br>1825.9 | Z<br>8.820      | Repère de mesure<br>9.830 |                   | Coupe C4           |

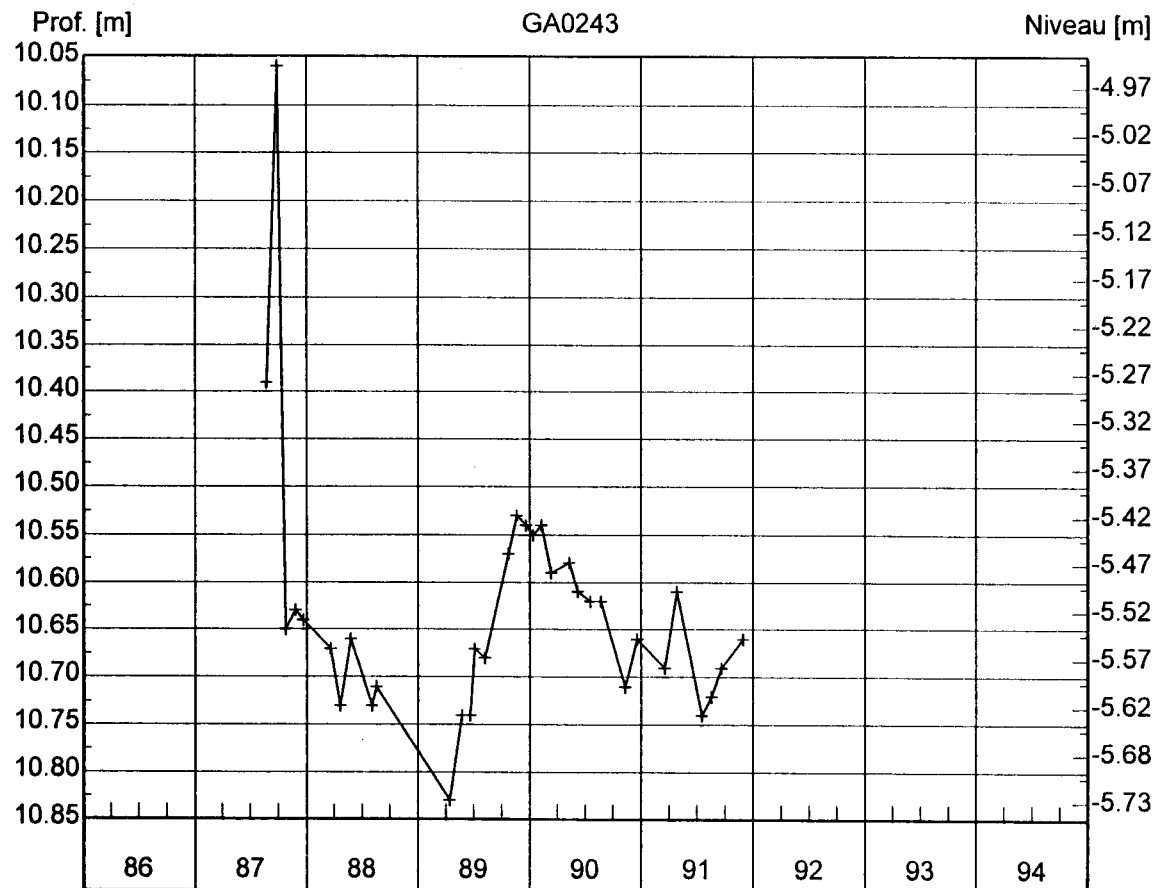


|                    |                     |
|--------------------|---------------------|
| Prof<br>1658       | Annee<br>1987       |
| Fleuve<br>NGALENKA | Dist eau<br>100     |
| Unite Geol<br>QT   | Unite Geom<br>X     |
| Limnim<br>11       | Dist Limn<br>17.000 |
| Pluviom<br>19      | Dist Pluv<br>16.600 |

| Date       | Niveau | Date       | Niveau | Date       | Niveau |
|------------|--------|------------|--------|------------|--------|
| 8 06 1987  | -6.71  | 22 05 1989 | -6.87  | 16 03 1991 | -6.71  |
| 23 08 1987 | -6.43  | 19 06 1989 | -6.81  | 25 04 1991 | -6.68  |
| 28 09 1987 | -6.27  | 3 07 1989  | -7.00  | 16 07 1991 | -6.76  |
| 25 10 1987 | -6.64  | 8 08 1989  | -6.74  | 16 08 1991 | -6.76  |
| 25 11 1987 | -6.69  | 27 09 1989 | -6.48  | 19 09 1991 | -6.75  |
| 20 12 1987 | -6.73  | 24 10 1989 | -6.45  | 30 11 1991 | -6.81  |
| 18 03 1988 | -6.71  | 19 11 1989 | -6.41  |            |        |
| 20 04 1988 | -6.84  | 20 12 1989 | -6.45  |            |        |
| 23 05 1988 | -6.73  | 11 01 1990 | -6.44  |            |        |
| 30 07 1988 | -6.89  | 8 02 1990  | -6.44  |            |        |
| 13 08 1988 | -6.77  | 11 03 1990 | -6.54  |            |        |
| 19 09 1988 | -6.73  | 8 05 1990  | -6.62  |            |        |
| 18 10 1988 | -6.67  | 6 06 1990  | -6.62  |            |        |
| 15 11 1988 | -6.68  | 17 07 1990 | -6.67  |            |        |
| 31 12 1988 | -6.55  | 20 08 1990 | -6.67  |            |        |
| 15 01 1989 | -6.72  | 8 11 1990  | -6.71  |            |        |
| 13 04 1989 | -6.95  | 19 12 1990 | -6.75  |            |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                      |             |                 |                           |                   |                    |
|----------------------|-------------|-----------------|---------------------------|-------------------|--------------------|
| Piézomètre<br>GA0243 |             | Pays<br>Sénégal |                           | Communauté rurale | Feuille : PODOR 3A |
| X<br>508.2           | Y<br>1827.5 | Z<br>4.097      | Repère de mesure<br>5.107 |                   |                    |
| Coupe C4             |             |                 |                           |                   |                    |

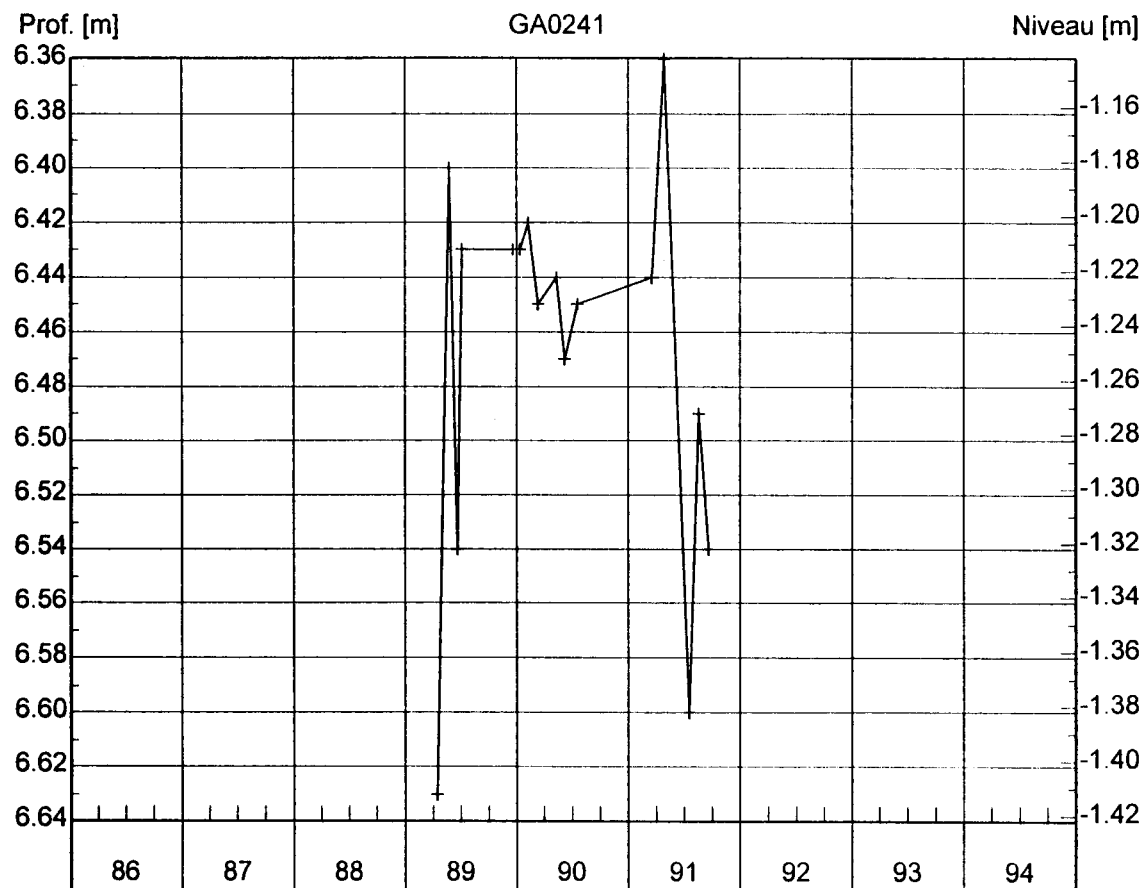


|                    |                     |
|--------------------|---------------------|
| Prof<br>1462       | Annee<br>1987       |
| Fleuve<br>NGALENKA | Dist eau<br>400     |
| Unite Geol<br>QT   | Unite Geom<br>N     |
| Limnim<br>11       | Dist Limn<br>17.700 |
| Pluviom<br>19      | Dist Pluv<br>14.500 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 23 08 1987 | -5.28  | 20 12 1989 | -5.43  |      |        |
| 28 09 1987 | -4.95  | 11 01 1990 | -5.44  |      |        |
| 25 10 1987 | -5.54  | 8 02 1990  | -5.43  |      |        |
| 25 11 1987 | -5.52  | 11 03 1990 | -5.48  |      |        |
| 20 12 1987 | -5.53  | 9 05 1990  | -5.47  |      |        |
| 18 03 1988 | -5.56  | 6 06 1990  | -5.50  |      |        |
| 20 04 1988 | -5.62  | 17 07 1990 | -5.51  |      |        |
| 23 05 1988 | -5.55  | 20 08 1990 | -5.51  |      |        |
| 1 08 1988  | -5.62  | 8 11 1990  | -5.60  |      |        |
| 16 08 1988 | -5.60  | 19 12 1990 | -5.55  |      |        |
| 13 04 1989 | -5.72  | 16 03 1991 | -5.58  |      |        |
| 22 05 1989 | -5.63  | 25 04 1991 | -5.50  |      |        |
| 19 06 1989 | -5.63  | 16 07 1991 | -5.63  |      |        |
| 3 07 1989  | -5.56  | 16 08 1991 | -5.61  |      |        |
| 8 08 1989  | -5.57  | 19 09 1991 | -5.58  |      |        |
| 24 10 1989 | -5.46  | 30 11 1991 | -5.55  |      |        |
| 19 11 1989 | -5.42  |            |        |      |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                             |             |                 |                           |                   |                    |
|-----------------------------|-------------|-----------------|---------------------------|-------------------|--------------------|
| Piézomètre<br><b>GA0241</b> |             | Pays<br>Sénégal |                           | Communauté rurale | Feuille : PODOR 3A |
| X<br>506.9                  | Y<br>1831.7 | Z<br>4.168      | Repère de mesure<br>5.218 |                   | Coupe C4           |

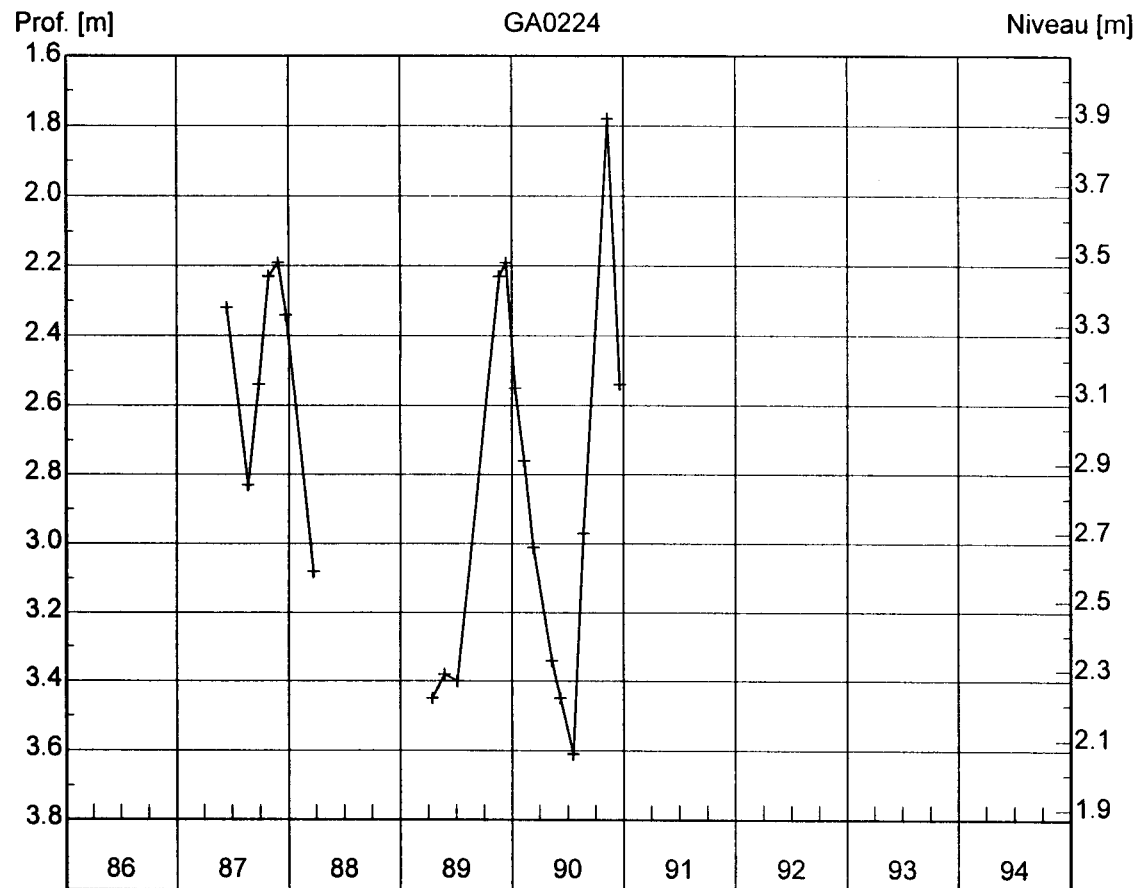


|                        |                     |
|------------------------|---------------------|
| Prof<br>1460           | Annee<br>1987       |
| Fleuve<br>MARIGOT DOUE | Dist eau<br>2900    |
| Unite Geol<br>QT       | Unite Geom<br>A     |
| Limnim<br>11           | Dist Limn<br>19.100 |
| Pluviom<br>19          | Dist Pluv<br>10.100 |

| Date       | Niveau | Date | Niveau | Date | Niveau |
|------------|--------|------|--------|------|--------|
| 13 04 1989 | -1.41  |      |        |      |        |
| 22 05 1989 | -1.18  |      |        |      |        |
| 19 06 1989 | -1.32  |      |        |      |        |
| 03 07 1989 | -1.21  |      |        |      |        |
| 20 12 1989 | -1.21  |      |        |      |        |
| 11 01 1990 | -1.21  |      |        |      |        |
| 08 02 1990 | -1.20  |      |        |      |        |
| 11 03 1990 | -1.23  |      |        |      |        |
| 09 05 1990 | -1.22  |      |        |      |        |
| 06 06 1990 | -1.25  |      |        |      |        |
| 17 07 1990 | -1.23  |      |        |      |        |
| 16 03 1991 | -1.22  |      |        |      |        |
| 25 04 1991 | -1.14  |      |        |      |        |
| 16 07 1991 | -1.38  |      |        |      |        |
| 16 08 1991 | -1.27  |      |        |      |        |
| 19 09 1991 | -1.32  |      |        |      |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                      |             |                 |                           |                   |                    |
|----------------------|-------------|-----------------|---------------------------|-------------------|--------------------|
| Piézomètre<br>GA0224 |             | Pays<br>Sénégal |                           | Communauté rurale | Feuille : PODOR 3A |
| X<br>505.6           | Y<br>1833.6 | Z<br>4.671      | Repère de mesure<br>5.671 |                   | Coupe C4           |

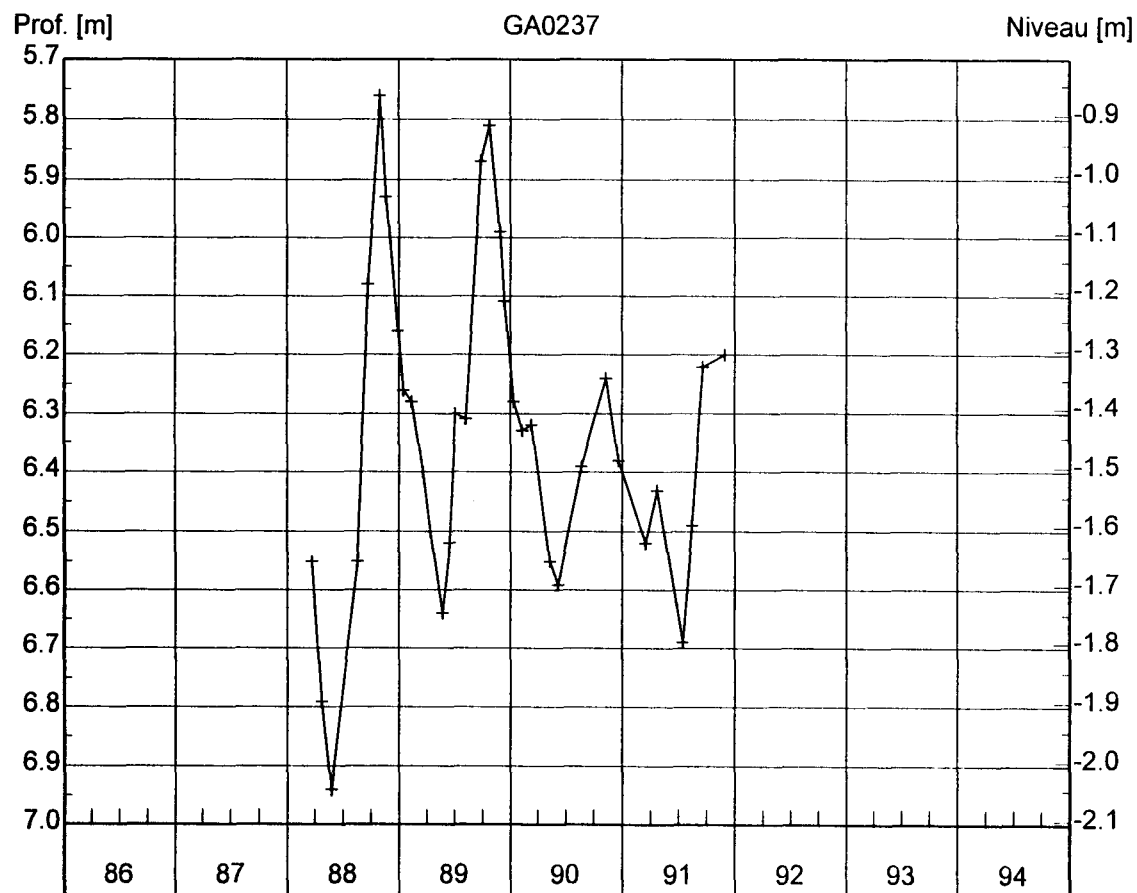


|                        |                     |
|------------------------|---------------------|
| Prof<br>1146           | Annee<br>1987       |
| Fleuve<br>MARIGOT DOUE | Dist eau<br>800     |
| Unite Geol<br>QT       | Unite Geom<br>A     |
| Limnim<br>11           | Dist Limn<br>20.500 |
| Pluviom<br>19          | Dist Pluv<br>8.000  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 13 06 1987 | 3.35   | 17 07 1990 | 2.06   |      |        |
| 20 08 1987 | 2.84   | 20 08 1990 | 2.70   |      |        |
| 25 09 1987 | 3.13   | 7 11 1990  | 3.89   |      |        |
| 28 10 1987 | 3.44   | 19 12 1990 | 3.13   |      |        |
| 28 11 1987 | 3.48   |            |        |      |        |
| 23 12 1987 | 3.33   |            |        |      |        |
| 21 03 1988 | 2.59   |            |        |      |        |
| 13 04 1989 | 2.22   |            |        |      |        |
| 22 05 1989 | 2.29   |            |        |      |        |
| 3 07 1989  | 2.27   |            |        |      |        |
| 19 11 1989 | 3.44   |            |        |      |        |
| 13 12 1989 | 3.48   |            |        |      |        |
| 11 01 1990 | 3.12   |            |        |      |        |
| 8 02 1990  | 2.91   |            |        |      |        |
| 11 03 1990 | 2.66   |            |        |      |        |
| 9 05 1990  | 2.33   |            |        |      |        |
| 6 06 1990  | 2.22   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                           |                   |                           |
|-----------------------------|-------------|-----------------|---------------------------|-------------------|---------------------------|
| Piézomètre<br><b>GA0237</b> |             | Pays<br>Sénégal |                           | Communauté rurale | Feuille : <b>PODOR 3A</b> |
| X<br>507.2                  | Y<br>1836.6 | Z<br>3.893      | Repère de mesure<br>4.893 |                   | Coupe C4                  |

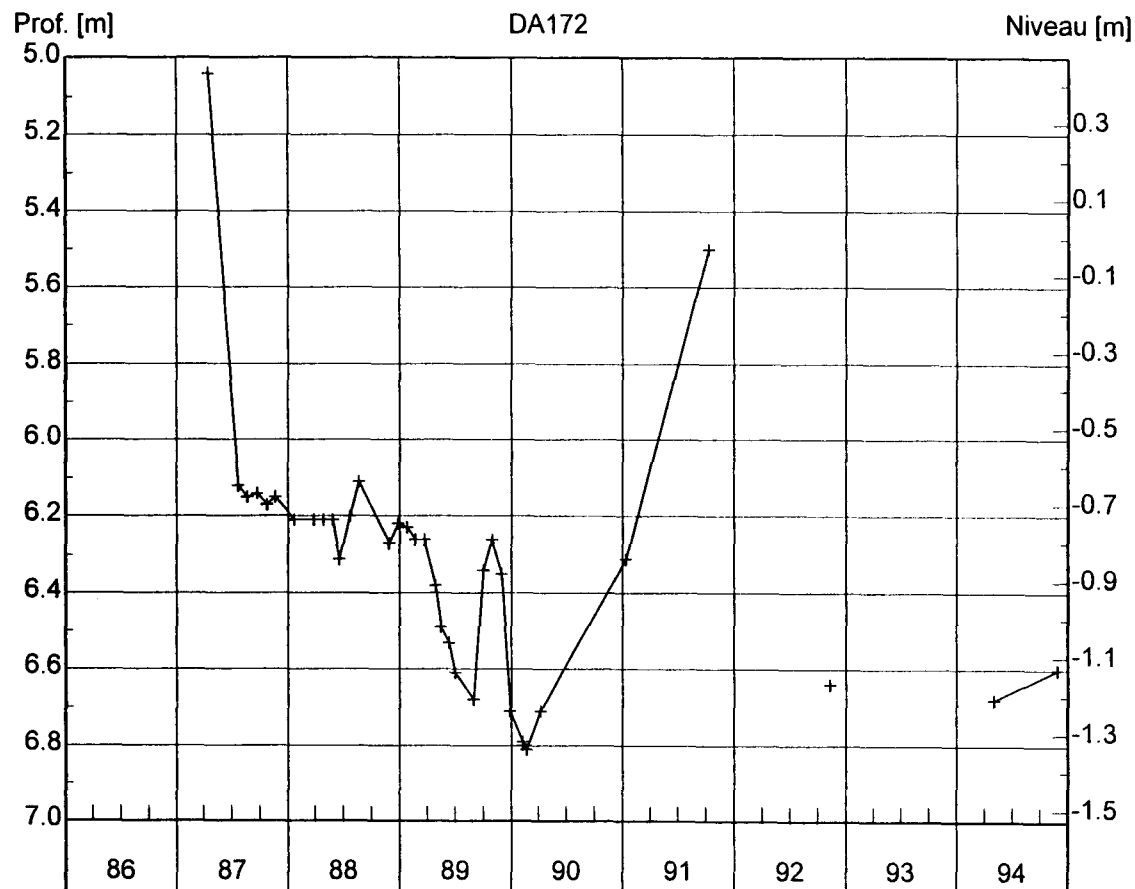


|                        |  |                     |  |
|------------------------|--|---------------------|--|
| Prof<br>4420           |  | Annee<br>1987       |  |
| Fleuve<br>MARIGOT DOUE |  | Dist eau<br>800     |  |
| Unite Geol<br>QT'      |  | Unite Geom<br>M     |  |
| Limnim<br>11           |  | Dist Limn<br>20.000 |  |
| Pluviom<br>19          |  | Dist Pluv<br>5.600  |  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 21 03 1988 | -1.66  | 24 10 1989 | -0.92  |      |        |
| 23 04 1988 | -1.90  | 26 11 1989 | -1.10  |      |        |
| 25 05 1988 | -2.05  | 13 12 1989 | -1.22  |      |        |
| 17 08 1988 | -1.66  | 11 01 1990 | -1.39  |      |        |
| 21 09 1988 | -1.19  | 8 02 1990  | -1.44  |      |        |
| 30 10 1988 | -0.87  | 11 03 1990 | -1.43  |      |        |
| 17 11 1988 | -1.04  | 9 05 1990  | -1.66  |      |        |
| 29 12 1988 | -1.27  | 6 06 1990  | -1.70  |      |        |
| 14 01 1989 | -1.37  | 20 08 1990 | -1.50  |      |        |
| 9 02 1989  | -1.39  | 7 11 1990  | -1.35  |      |        |
| 20 03 1989 | -1.51  | 18 12 1990 | -1.49  |      |        |
| 13 04 1989 | -1.61  | 16 03 1991 | -1.63  |      |        |
| 22 05 1989 | -1.75  | 24 04 1991 | -1.54  |      |        |
| 17 06 1989 | -1.63  | 16 07 1991 | -1.80  |      |        |
| 4 07 1989  | -1.41  | 16 08 1991 | -1.60  |      |        |
| 7 08 1989  | -1.42  | 19 09 1991 | -1.33  |      |        |
| 27 09 1989 | -0.98  | 30 11 1991 | -1.31  |      |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                            |             |                    |                           |                   |                           |
|----------------------------|-------------|--------------------|---------------------------|-------------------|---------------------------|
| Piézomètre<br><b>DA172</b> |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : <b>PODOR 3A</b> |
| X<br>507.6                 | Y<br>1841.6 | Z<br>4.451         | Repère de mesure<br>5.471 |                   | Coupe C4                  |



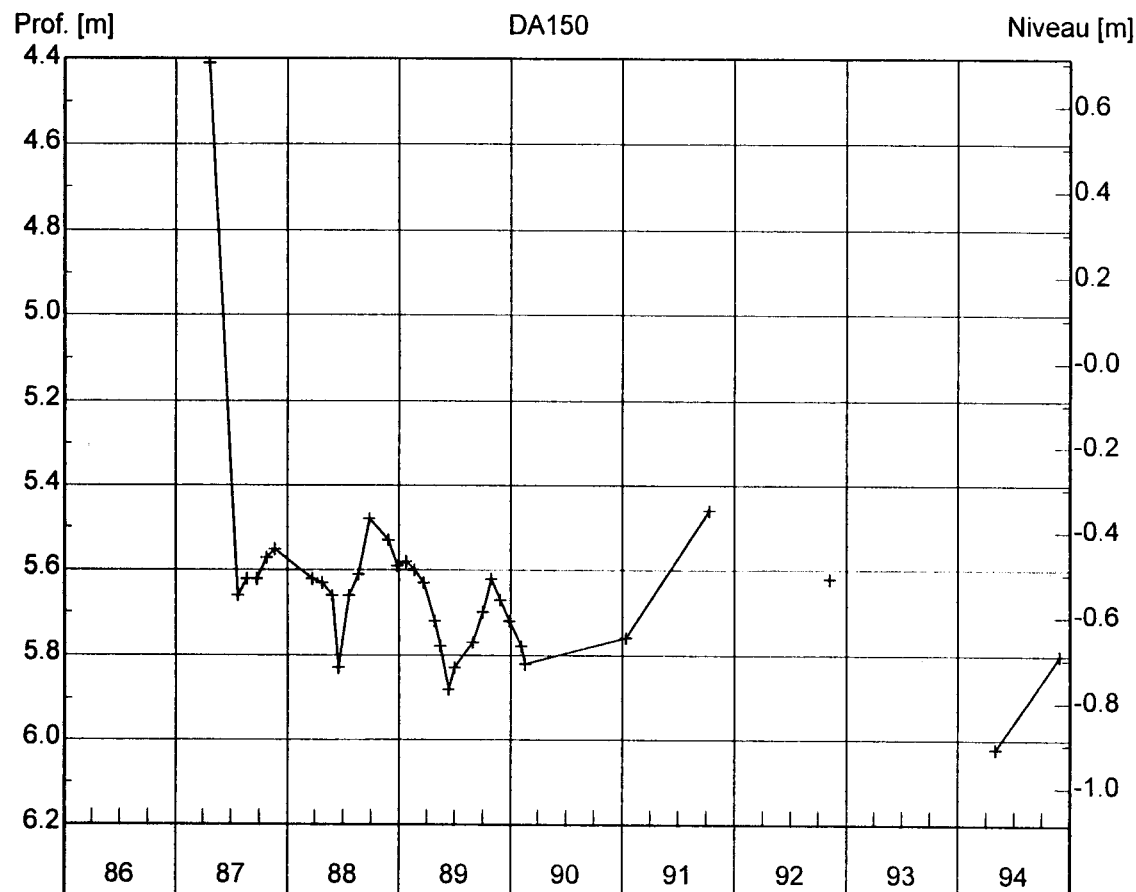
|                       |                    |
|-----------------------|--------------------|
| Prof<br>950           | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>1700   |
| Unite Geol<br>QT      | Unite Geom<br>A    |
| Limnim<br>9           | Dist Limn<br>2.800 |
| Pluviom<br>19         | Dist Pluv<br>2.800 |

| Date       | Niveau | Date       | Niveau | Date       | Niveau |
|------------|--------|------------|--------|------------|--------|
| 18 04 1987 | 0.43   | 21 03 1989 | -0.79  | 26 11 1994 | -1.13  |
| 22 07 1987 | -0.65  | 27 04 1989 | -0.91  |            |        |
| 20 08 1987 | -0.68  | 16 05 1989 | -1.02  |            |        |
| 23 09 1987 | -0.67  | 13 06 1989 | -1.06  |            |        |
| 25 10 1987 | -0.70  | 2 07 1989  | -1.14  |            |        |
| 20 11 1987 | -0.68  | 29 08 1989 | -1.21  |            |        |
| 22 01 1988 | -0.74  | 10 09 1989 | -0.87  |            |        |
| 25 03 1988 | -0.74  | 28 10 1989 | -0.79  |            |        |
| 27 04 1988 | -0.74  | 29 11 1989 | -0.88  |            |        |
| 27 05 1988 | -0.74  | 28 12 1989 | -1.24  |            |        |
| 18 06 1988 | -0.84  | 6 02 1990  | -1.32  |            |        |
| 22 07 1988 | -0.73  | 18 02 1990 | -1.34  |            |        |
| 20 08 1988 | -0.64  | 6 04 1990  | -1.24  |            |        |
| 26 11 1988 | -0.80  | 12 01 1991 | -0.84  |            |        |
| 26 12 1988 | -0.75  | 12 10 1991 | -0.03  |            |        |
| 25 01 1989 | -0.76  | 9 11 1992  | -1.17  |            |        |
| 21 02 1989 | -0.79  | 1 05 1994  | -1.21  |            |        |



# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                     |             |                    |                           |                   |                    |
|---------------------|-------------|--------------------|---------------------------|-------------------|--------------------|
| Piézomètre<br>DA150 |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : PODOR 3A |
| X<br>508.2          | Y<br>1844.3 | Z<br>4.062         | Repère de mesure<br>5.112 | Coupe C4          |                    |

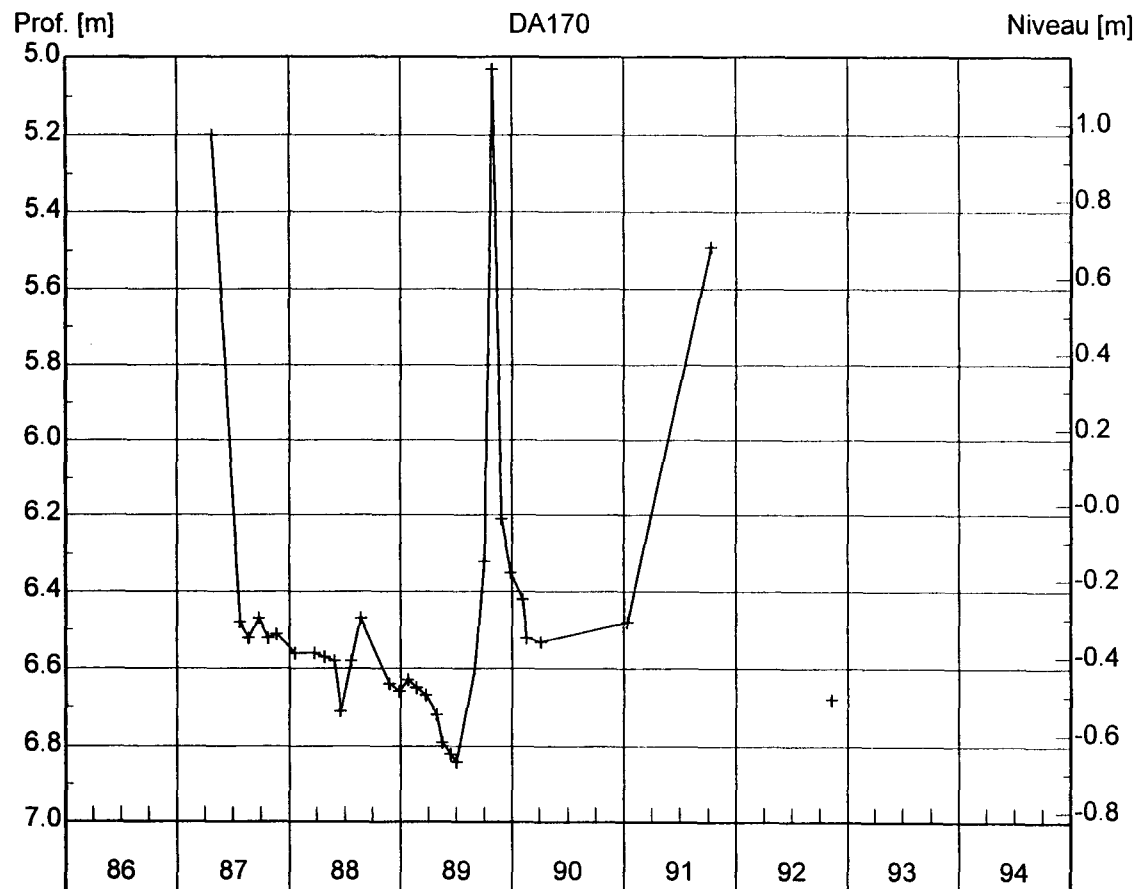


|                        |                    |
|------------------------|--------------------|
| Prof<br>2060           | Annee<br>1987      |
| Fleuve<br>FL . SENEGAL | Dist eau<br>2900   |
| Unite Geol<br>QT       | Unite Geom<br>A    |
| Limnim<br>9            | Dist Limn<br>4.000 |
| Pluviom<br>19          | Dist Pluv<br>4.000 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 22 04 1987 | -0.70  | 21 03 1989 | -0.52  |      |        |
| 23 07 1987 | -0.55  | 28 04 1989 | -0.61  |      |        |
| 20 08 1987 | -0.51  | 15 05 1989 | -0.67  |      |        |
| 23 09 1987 | -0.51  | 12 06 1989 | -0.77  |      |        |
| 25 10 1987 | -0.46  | 2 07 1989  | -0.72  |      |        |
| 20 11 1987 | -0.44  | 29 08 1989 | -0.66  |      |        |
| 24 03 1988 | -0.51  | 30 09 1989 | -0.59  |      |        |
| 25 04 1988 | -0.52  | 28 10 1989 | -0.51  |      |        |
| 27 05 1988 | -0.55  | 28 11 1989 | -0.56  |      |        |
| 16 06 1988 | -0.72  | 27 12 1989 | -0.61  |      |        |
| 21 07 1988 | -0.55  | 5 02 1990  | -0.67  |      |        |
| 21 08 1988 | -0.50  | 17 02 1990 | -0.71  |      |        |
| 25 09 1988 | -0.37  | 12 01 1991 | -0.65  |      |        |
| 26 11 1988 | -0.42  | 11 10 1991 | -0.35  |      |        |
| 26 12 1988 | -0.48  | 8 11 1992  | -0.51  |      |        |
| 25 01 1989 | -0.47  | 1 05 1994  | -0.91  |      |        |
| 19 02 1989 | -0.49  | 26 11 1994 | -0.69  |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                           |                   |                           |
|----------------------------|-------------|--------------------|---------------------------|-------------------|---------------------------|
| Piézomètre<br><b>DA170</b> |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : <b>PODOR 3A</b> |
| X<br>508.2                 | Y<br>1846.3 | Z<br>5.133         | Repère de mesure<br>6.173 |                   | Coupe C4                  |

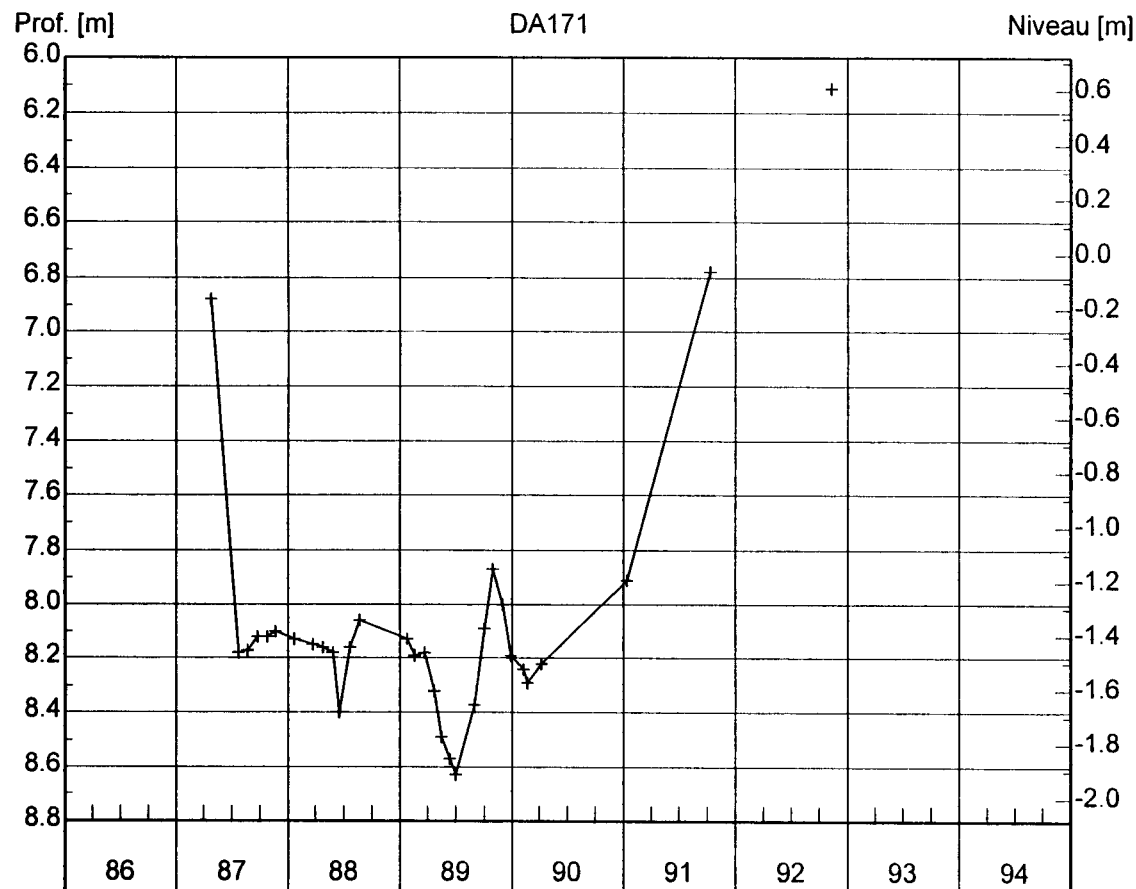


|                          |                    |
|--------------------------|--------------------|
| Prof<br>840              | Annee<br>1987      |
| Fleuve<br>MARIGOT KOUNDI | Dist eau<br>2500   |
| Unite Geol<br>QT         | Unite Geom<br>O    |
| Limnim<br>9              | Dist Limn<br>5.300 |
| Pluviom<br>19            | Dist Pluv<br>5.300 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 25 04 1987 | -0.97  | 21 03 1989 | -0.50  |      |        |
| 23 07 1987 | -0.31  | 27 04 1989 | -0.55  |      |        |
| 20 08 1987 | -0.35  | 15 05 1989 | -0.62  |      |        |
| 23 09 1987 | -0.30  | 12 06 1989 | -0.65  |      |        |
| 25 10 1987 | -0.35  | 2 07 1989  | -0.67  |      |        |
| 20 11 1987 | -0.34  | 29 08 1989 | -0.43  |      |        |
| 20 01 1988 | -0.39  | 30 09 1989 | -0.15  |      |        |
| 24 03 1988 | -0.39  | 28 10 1989 | 1.14   |      |        |
| 25 04 1988 | -0.40  | 28 11 1989 | -0.04  |      |        |
| 27 05 1988 | -0.41  | 27 12 1989 | -0.18  |      |        |
| 16 06 1988 | -0.54  | 5 02 1990  | -0.25  |      |        |
| 21 07 1988 | -0.41  | 17 02 1990 | -0.35  |      |        |
| 21 08 1988 | -0.30  | 5 04 1990  | -0.36  |      |        |
| 24 11 1988 | -0.47  | 12 01 1991 | -0.31  |      |        |
| 26 12 1988 | -0.49  | 11 10 1991 | 0.68   |      |        |
| 25 01 1989 | -0.46  | 8 11 1992  | -0.51  |      |        |
| 19 02 1989 | -0.48  |            |        |      |        |

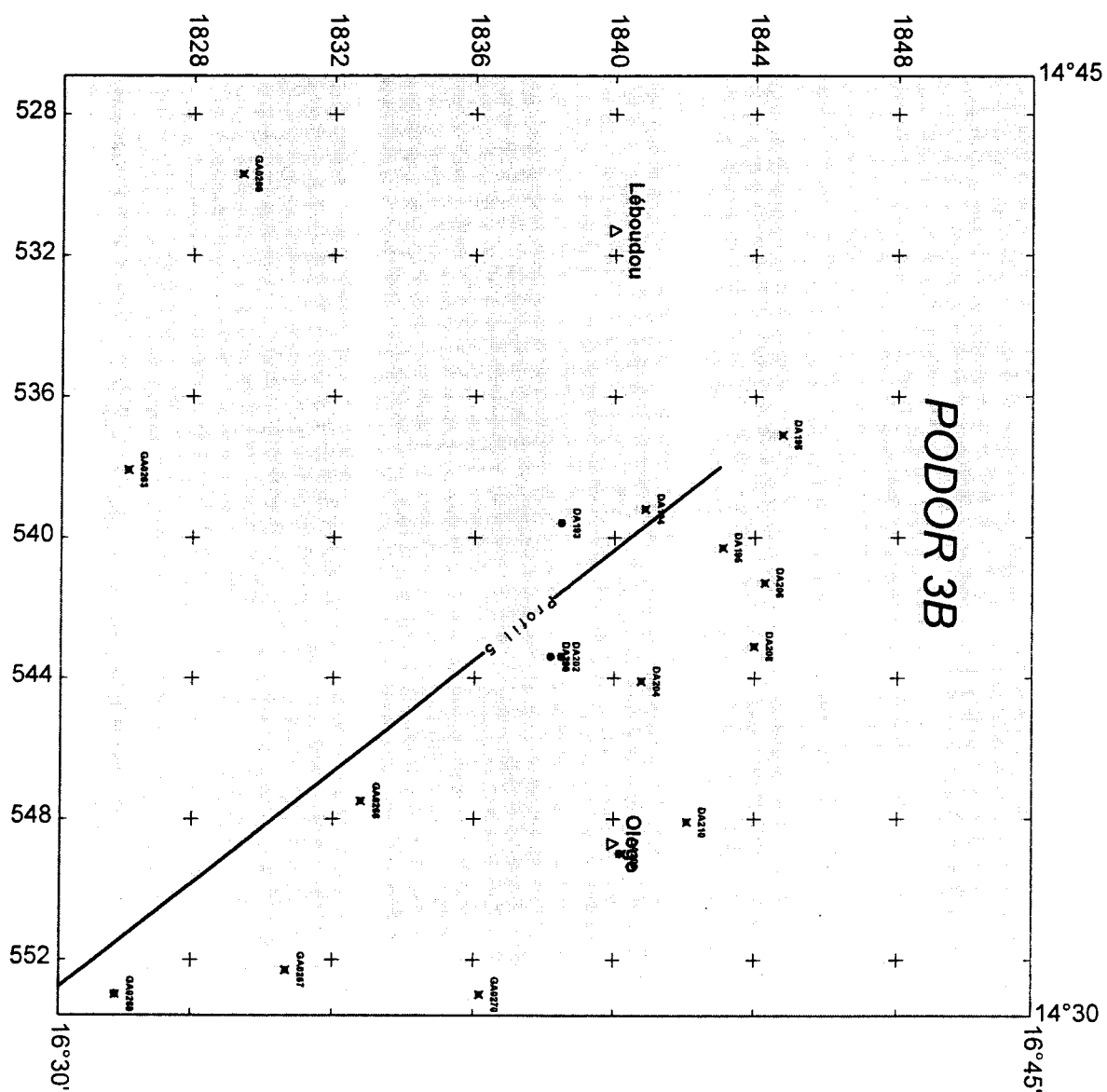
# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                           |                   |                           |
|----------------------------|-------------|--------------------|---------------------------|-------------------|---------------------------|
| Piézomètre<br><b>DA171</b> |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : <b>PODOR 3A</b> |
| X<br>507.7                 | Y<br>1848.6 | Z<br>5.677         | Repère de mesure<br>6.717 |                   | Coupe C4                  |

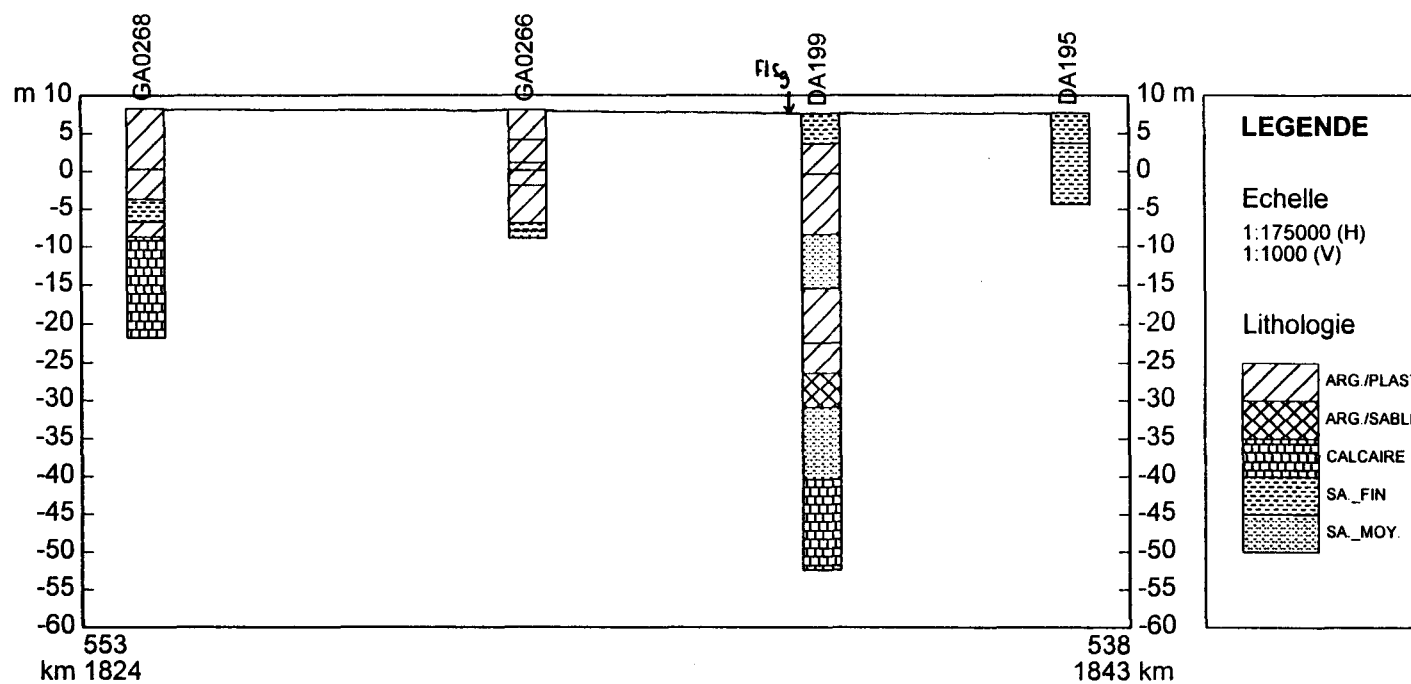


|                          |                    |
|--------------------------|--------------------|
| Prof<br>960              | Annee<br>1987      |
| Fleuve<br>MARIGOT KOUNDI | Dist eau<br>200    |
| Unite Geol<br>QT         | Unite Geom<br>M    |
| Limnim<br>9              | Dist Limn<br>7.100 |
| Pluviom<br>19            | Dist Pluv<br>7.100 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 26 04 1987 | -0.16  | 15 05 1989 | -1.77  |      |        |
| 23 07 1987 | -1.46  | 12 06 1989 | -1.85  |      |        |
| 20 08 1987 | -1.45  | 2 07 1989  | -1.91  |      |        |
| 23 09 1987 | -1.40  | 29 08 1989 | -1.65  |      |        |
| 25 10 1987 | -1.40  | 30 09 1989 | -1.37  |      |        |
| 20 11 1987 | -1.38  | 28 10 1989 | -1.15  |      |        |
| 22 01 1988 | -1.41  | 29 11 1989 | -1.28  |      |        |
| 24 03 1988 | -1.43  | 28 12 1989 | -1.47  |      |        |
| 25 04 1988 | -1.44  | 6 02 1990  | -1.52  |      |        |
| 26 05 1988 | -1.46  | 18 02 1990 | -1.57  |      |        |
| 16 06 1988 | -1.68  | 6 04 1990  | -1.50  |      |        |
| 21 07 1988 | -1.44  | 12 01 1991 | -1.19  |      |        |
| 21 08 1988 | -1.34  | 12 10 1991 | -0.06  |      |        |
| 25 01 1989 | -1.41  | 9 11 1992  | 0.61   |      |        |
| 19 02 1989 | -1.47  |            |        |      |        |
| 21 03 1989 | -1.46  |            |        |      |        |
| 23 04 1989 | -1.60  |            |        |      |        |



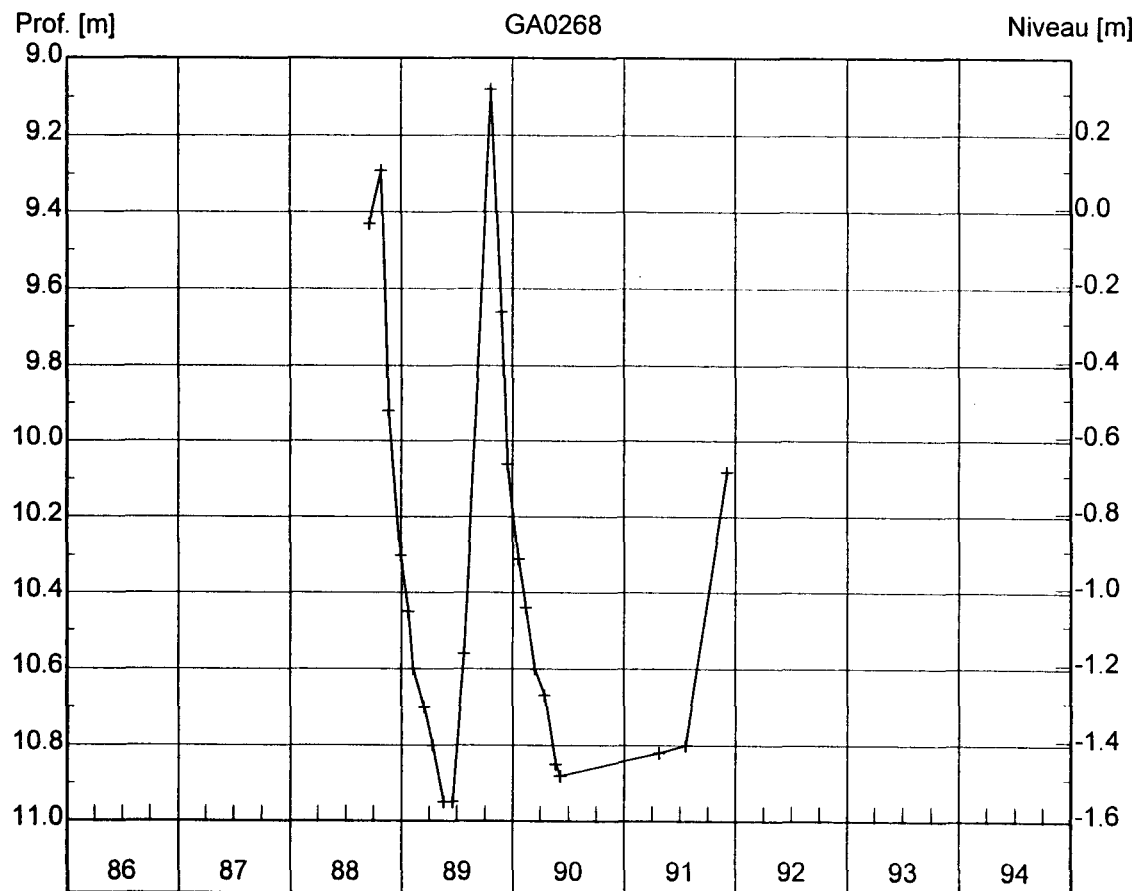
# **PROFIL LITHO-STRATIGRAPHIQUE C5 - PODOR 3B**



| idouv  | mtux  | mtuy   | z     | elreign | profouv | geolid | geomid | lgcrep | profhcre | descstrat  |
|--------|-------|--------|-------|---------|---------|--------|--------|--------|----------|------------|
| DA195  | 540.3 | 1843.1 | 7.755 | 8.815   | 1150    | QT     | M'     | 100    | 1000     | SABLE FIN  |
| DA199  | 543.4 | 1838.2 | 7.636 | 8.666   | 4750    | QT     | N      | 1000   | 3700     | SABLE MOY. |
| GA0266 | 547.5 | 1832.8 | 8.148 | 9.068   | 1650    | QT     | M      | 100    | 1500     | SABLE FIN  |
| GA0268 | 553   | 1825.9 | 8.37  | 9.39    | 2945    | EM     | M      | 100    | 2795     | CALCAIRE   |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                      |             |                 |                           |                   |                    |
|----------------------|-------------|-----------------|---------------------------|-------------------|--------------------|
| Piézomètre<br>GA0268 |             | Pays<br>Sénégal |                           | Communauté rurale | Feuille : PODOR 3B |
| X<br>553.0           | Y<br>1825.9 | Z<br>8.370      | Repère de mesure<br>9.390 |                   | Coupe C5           |

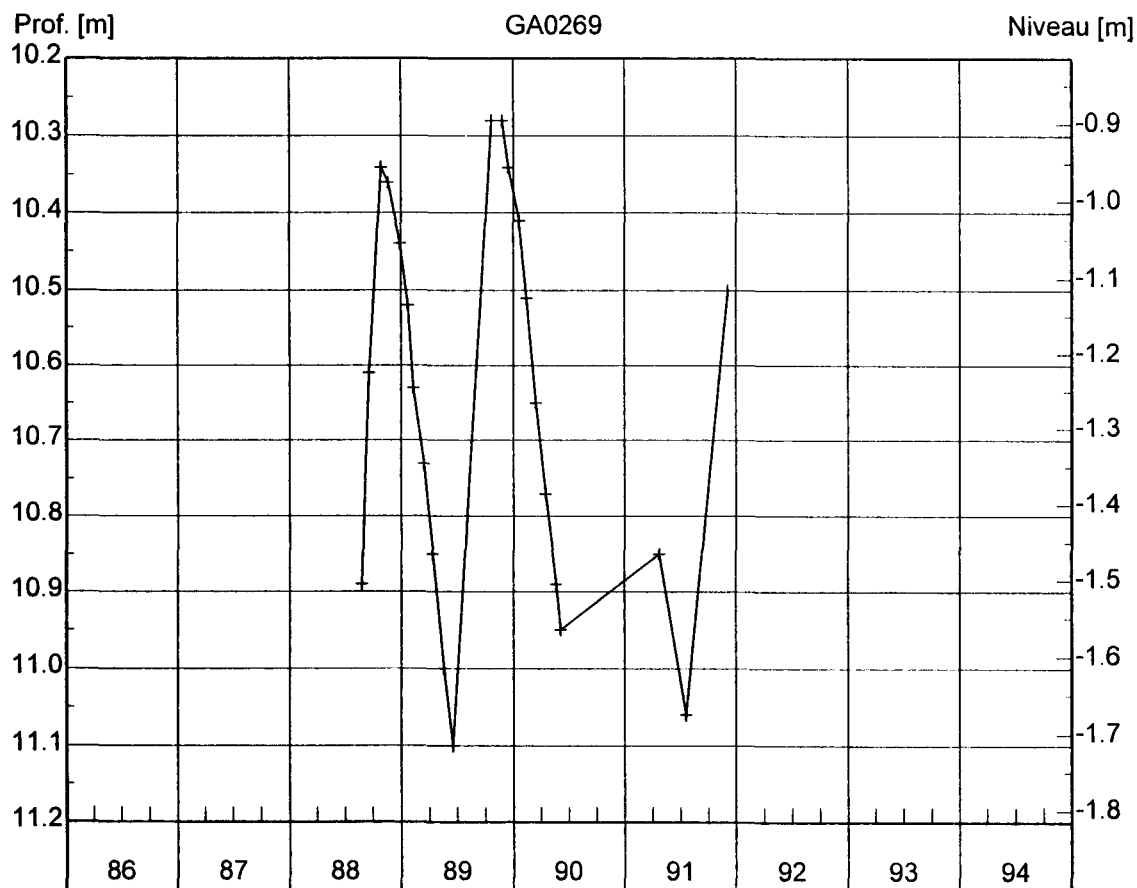


|                        |                     |
|------------------------|---------------------|
| Prof<br>2945           | Annee<br>1987       |
| Fleuve<br>MARIGOT DOUE | Dist eau<br>95      |
| Unite Geol<br>EM       | Unite Geom<br>M     |
| Limnim<br>11           | Dist Limn<br>26.900 |
| Pluviom<br>21          | Dist Pluv<br>14.500 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 17 09 1988 | -0.04  | 14 04 1990 | -1.28  |      |        |
| 28 10 1988 | 0.10   | 19 05 1990 | -1.46  |      |        |
| 18 11 1988 | -0.53  | 2 06 1990  | -1.49  |      |        |
| 27 12 1988 | -0.91  | 24 04 1991 | -1.43  |      |        |
| 21 01 1989 | -1.06  | 20 07 1991 | -1.41  |      |        |
| 9 02 1989  | -1.21  | 4 12 1991  | -0.69  |      |        |
| 15 03 1989 | -1.31  |            |        |      |        |
| 12 04 1989 | -1.41  |            |        |      |        |
| 17 05 1989 | -1.56  |            |        |      |        |
| 16 06 1989 | -1.56  |            |        |      |        |
| 24 07 1989 | -1.17  |            |        |      |        |
| 22 10 1989 | 0.31   |            |        |      |        |
| 25 11 1989 | -0.27  |            |        |      |        |
| 14 12 1989 | 0.67   |            |        |      |        |
| 18 01 1990 | 0.92   |            |        |      |        |
| 11 02 1990 | -1.05  |            |        |      |        |
| 13 03 1990 | -1.21  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                           |                           |
|-----------------------------|-------------|-----------------|---------------------------|---------------------------|
| Piézomètre<br><b>GA0269</b> |             | Pays<br>Sénégal | Communauté rurale         | Feuille : <b>PODOR 3B</b> |
| X<br>553.0                  | Y<br>1825.9 | Z<br>8.405      | Repère de mesure<br>9.385 | Coupe C5                  |

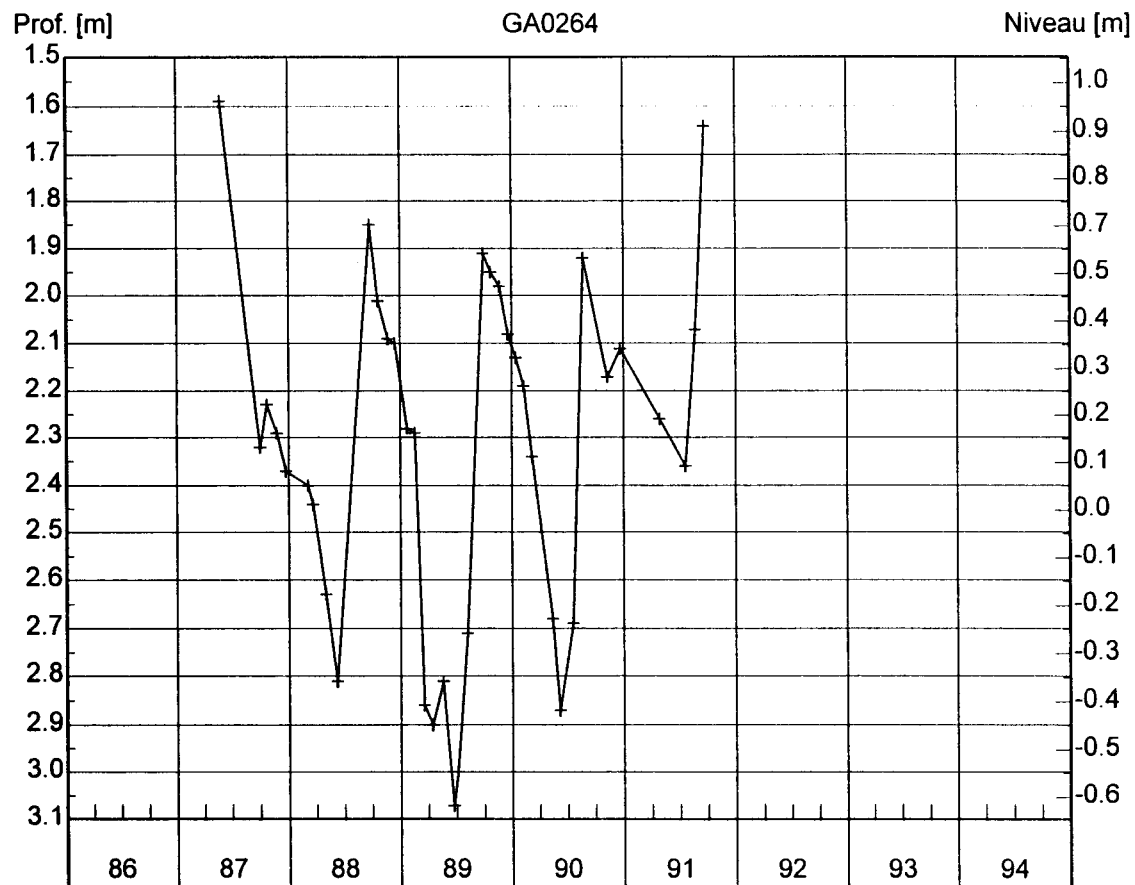


|                        |                     |
|------------------------|---------------------|
| Prof<br>1440           | Annee<br>1987       |
| Fleuve<br>MARIGOT DOUE | Dist eau<br>93      |
| Unite Geol<br>QT       | Unite Geom<br>M     |
| Limnim<br>11           | Dist Limn<br>26.900 |
| Pluviom<br>21          | Dist Pluv<br>14.500 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 24 08 1988 | -1.51  | 14 04 1990 | -1.39  |      |        |
| 17 09 1988 | -1.22  | 19 05 1990 | -1.51  |      |        |
| 28 10 1988 | -0.95  | 2 06 1990  | -1.56  |      |        |
| 18 11 1988 | -0.97  | 24 04 1991 | -1.47  |      |        |
| 27 12 1988 | -1.05  | 20 07 1991 | -1.68  |      |        |
| 21 01 1989 | -1.14  | 4 12 1991  | -1.11  |      |        |
| 9 02 1989  | -1.24  |            |        |      |        |
| 15 03 1989 | -1.34  |            |        |      |        |
| 12 04 1989 | -1.47  |            |        |      |        |
| 17 05 1989 | -1.61  |            |        |      |        |
| 16 06 1989 | -1.72  |            |        |      |        |
| 22 10 1989 | -0.89  |            |        |      |        |
| 25 11 1989 | -0.89  |            |        |      |        |
| 14 12 1989 | -0.95  |            |        |      |        |
| 18 01 1990 | -1.02  |            |        |      |        |
| 11 02 1990 | -1.13  |            |        |      |        |
| 13 03 1990 | -1.26  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                           |                           |
|-----------------------------|-------------|-----------------|---------------------------|---------------------------|
| Piézomètre<br><b>GA0264</b> |             | Pays<br>Sénégal | Communauté rurale         | Feuille : <b>PODOR 3B</b> |
| X<br>447.8                  | Y<br>1807.7 | Z<br>1.443      | Repère de mesure<br>2.503 | Coupe C5                  |



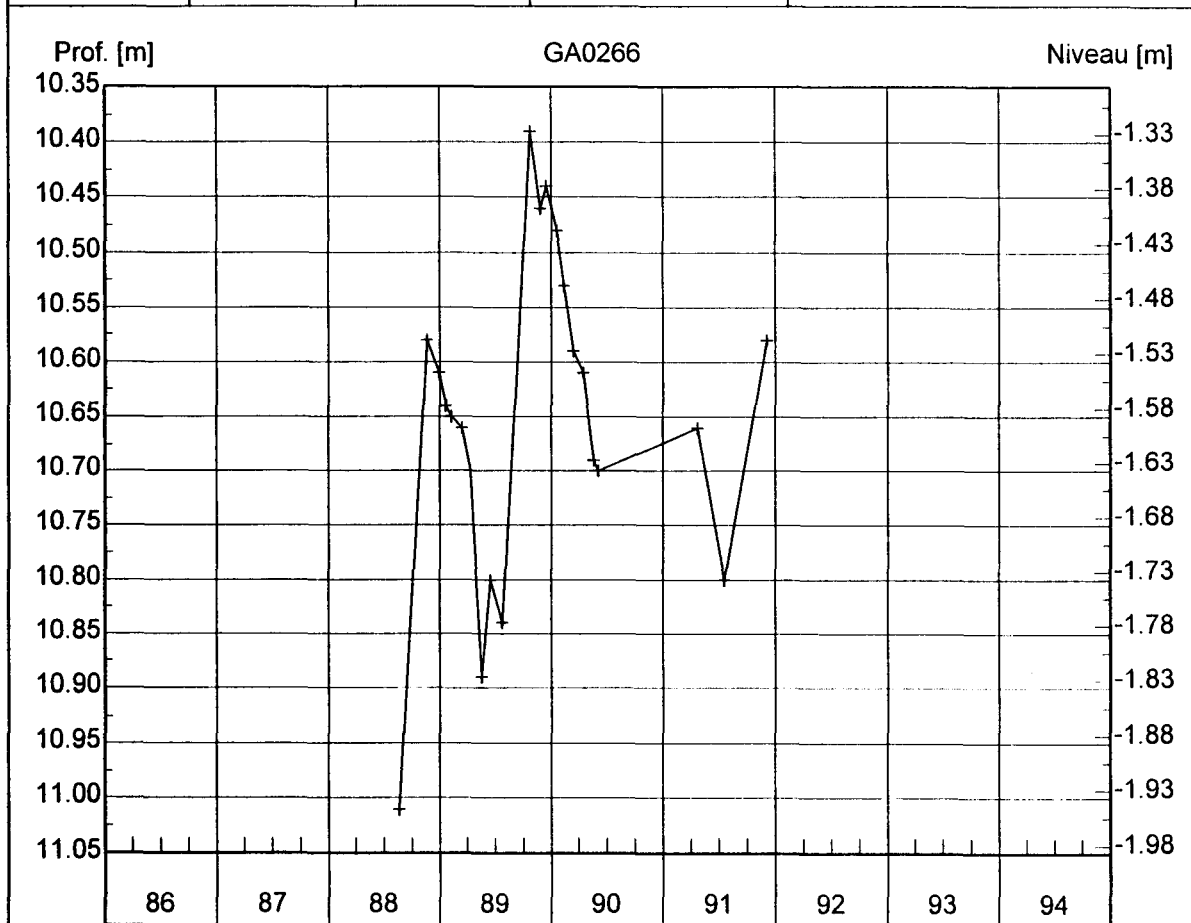
|                        |                     |
|------------------------|---------------------|
| Prof<br>1745           | Annee<br>1987       |
| Fleuve<br>MARIGOT GAYO | Dist eau<br>85      |
| Unite Geol<br>EC       | Unite Geom<br>M     |
| Limnim<br>11           | Dist Limn<br>21.600 |
| Pluviom<br>21          | Dist Pluv<br>11.200 |

| Date       | Niveau | Date       | Niveau | Date       | Niveau |
|------------|--------|------------|--------|------------|--------|
| 24 05 1987 | 0.91   | 19 05 1989 | -0.31  | 26 04 1991 | 0.24   |
| 29 09 1987 | 0.18   | 21 06 1989 | -0.57  | 18 07 1991 | 0.14   |
| 21 10 1987 | 0.27   | 5 07 1989  | -0.50  | 19 08 1991 | 0.43   |
| 22 11 1987 | 0.21   | 6 08 1989  | -0.21  | 22 09 1991 | 0.86   |
| 23 12 1987 | 0.13   | 29 09 1989 | 0.59   |            |        |
| 3 03 1988  | 0.10   | 23 10 1989 | 0.55   |            |        |
| 18 03 1988 | 0.06   | 21 11 1989 | 0.52   |            |        |
| 30 04 1988 | -0.13  | 18 12 1989 | 0.42   |            |        |
| 6 06 1988  | -0.31  | 12 01 1990 | 0.37   |            |        |
| 22 09 1988 | 0.65   | 6 02 1990  | 0.31   |            |        |
| 19 10 1988 | 0.49   | 7 03 1990  | 0.16   |            |        |
| 21 11 1988 | 0.41   | 11 05 1990 | -0.18  |            |        |
| 14 12 1988 | 0.40   | 2 06 1990  | -0.37  |            |        |
| 22 01 1989 | 0.22   | 18 07 1990 | -0.19  |            |        |
| 16 02 1989 | 0.21   | 22 08 1990 | 0.58   |            |        |
| 16 03 1989 | -0.36  | 9 11 1990  | 0.33   |            |        |
| 14 04 1989 | -0.40  | 20 12 1990 | 0.39   |            |        |



# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                           |                           |
|-----------------------------|-------------|-----------------|---------------------------|---------------------------|
| Piézomètre<br><b>GA0266</b> |             | Pays<br>Sénégal | Communauté rurale         | Feuille : <b>PODOR 3B</b> |
| X<br>547.5                  | Y<br>1832.8 | Z<br>8.148      | Repère de mesure<br>9.068 | Coupe C5                  |

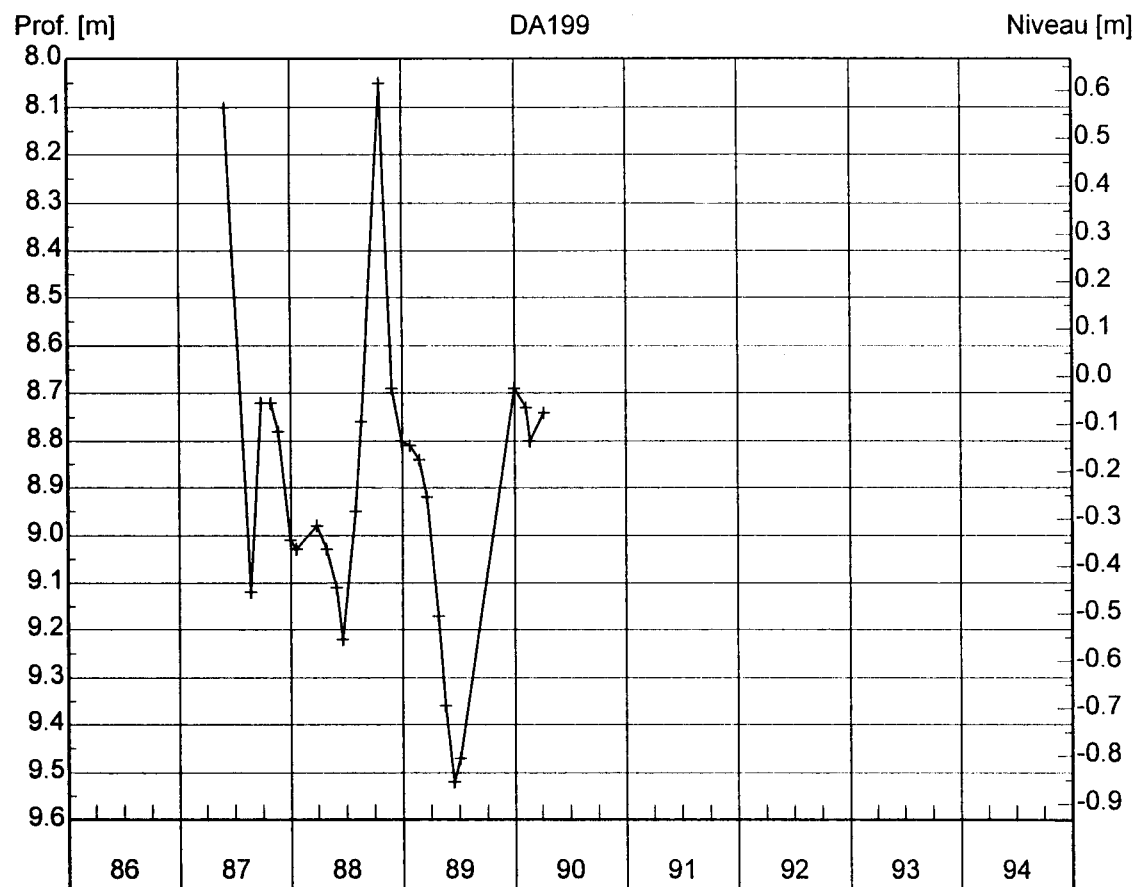


|                        |                     |
|------------------------|---------------------|
| Prof<br>1650           | Annee<br>1987       |
| Fleuve<br>MARIGOT GAYO | Dist eau<br>550     |
| Unite Geol<br>QT'      | Unite Geom<br>M     |
| Limnim<br>11           | Dist Limn<br>21.600 |
| Pluviom<br>21          | Dist Pluv<br>11.200 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 18 08 1988 | -1.94  | 19 05 1990 | -1.62  |      |        |
| 18 11 1988 | -1.51  | 2 06 1990  | -1.63  |      |        |
| 27 12 1988 | -1.54  | 24 04 1991 | -1.59  |      |        |
| 18 01 1989 | -1.57  | 20 07 1991 | -1.73  |      |        |
| 9 02 1989  | -1.58  | 4 12 1991  | -1.51  |      |        |
| 15 03 1989 | -1.59  |            |        |      |        |
| 12 04 1989 | -1.63  |            |        |      |        |
| 17 05 1989 | -1.82  |            |        |      |        |
| 17 06 1989 | -1.73  |            |        |      |        |
| 24 07 1989 | -1.77  |            |        |      |        |
| 22 10 1989 | -1.32  |            |        |      |        |
| 25 11 1989 | -1.39  |            |        |      |        |
| 14 12 1989 | -1.37  |            |        |      |        |
| 18 01 1990 | -1.41  |            |        |      |        |
| 11 02 1990 | -1.46  |            |        |      |        |
| 13 03 1990 | -1.52  |            |        |      |        |
| 14 04 1990 | -1.54  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                           |                           |
|----------------------------|-------------|--------------------|---------------------------|---------------------------|
| Piézomètre<br><b>DA199</b> |             | Pays<br>Mauritanie | Communauté rurale         | Feuille : <b>PODOR 3B</b> |
| X<br>543.4                 | Y<br>1838.2 | Z<br>7.636         | Repère de mesure<br>8.666 | Coupe C5                  |

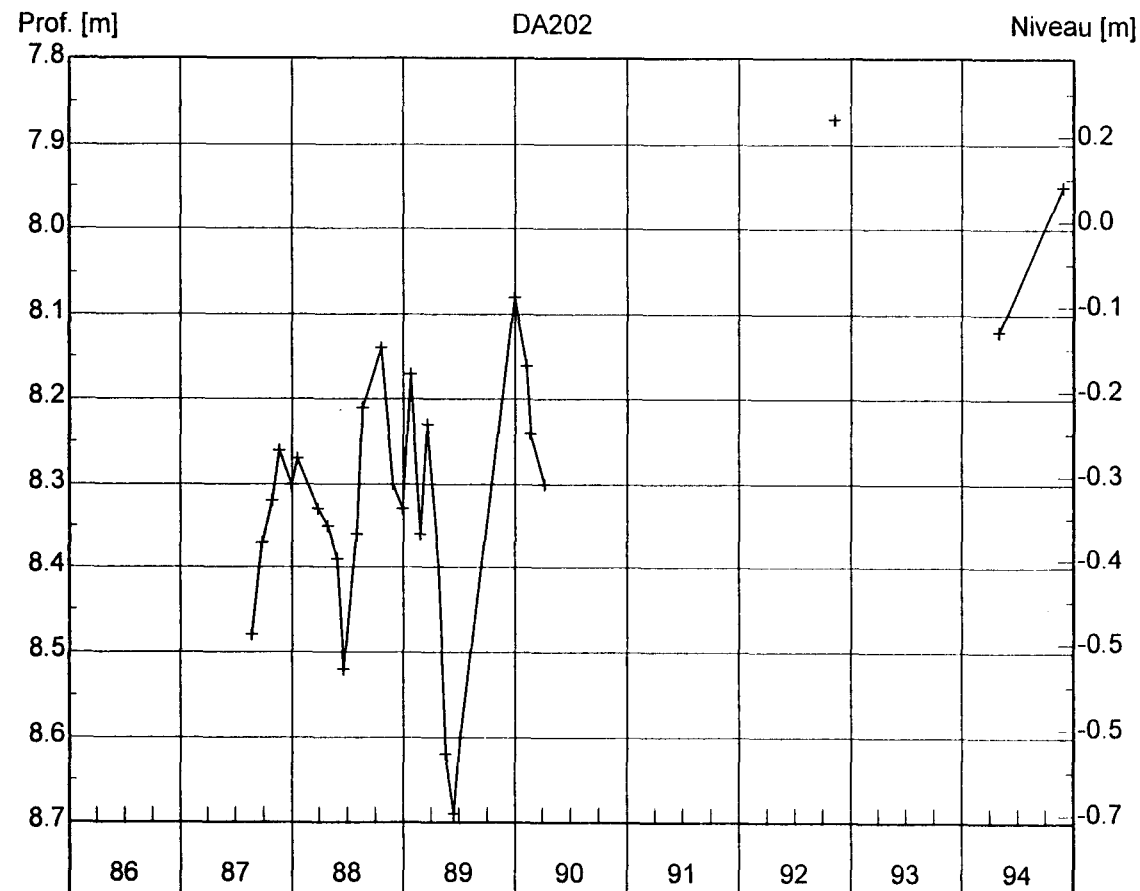


|                       |                     |
|-----------------------|---------------------|
| Prof<br>4750          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>300     |
| Unite Geol<br>QT      | Unite Geom<br>N     |
| Limnim<br>9           | Dist Limn<br>39.000 |
| Pluviom<br>21         | Dist Pluv<br>12.700 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 2 06 1987  | 0.57   | 22 02 1989 | -0.17  |      |        |
| 21 08 1987 | -0.45  | 19 03 1989 | -0.25  |      |        |
| 24 09 1987 | -0.05  | 25 04 1989 | -0.50  |      |        |
| 26 10 1987 | -0.05  | 17 05 1989 | -0.69  |      |        |
| 21 11 1987 | -0.11  | 14 06 1989 | -0.85  |      |        |
| 31 12 1987 | -0.34  | 4 07 1989  | -0.80  |      |        |
| 19 01 1988 | -0.36  | 29 12 1989 | -0.02  |      |        |
| 26 03 1988 | -0.31  | 7 02 1990  | -0.06  |      |        |
| 27 04 1988 | -0.36  | 19 02 1990 | -0.13  |      |        |
| 28 05 1988 | -0.44  | 7 04 1990  | -0.07  |      |        |
| 19 06 1988 | -0.55  |            |        |      |        |
| 30 07 1988 | -0.28  |            |        |      |        |
| 19 08 1988 | -0.09  |            |        |      |        |
| 19 10 1988 | 0.62   |            |        |      |        |
| 25 11 1988 | -0.02  |            |        |      |        |
| 27 12 1988 | -0.13  |            |        |      |        |
| 24 01 1989 | -0.14  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                     |             |                    |                           |                   |                    |
|---------------------|-------------|--------------------|---------------------------|-------------------|--------------------|
| Piézomètre<br>DA202 |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : PODOR 3B |
| X<br>543.4          | Y<br>1838.5 | Z<br>7.021         | Repère de mesure<br>8.041 |                   |                    |
| Coupe C5            |             |                    |                           |                   |                    |

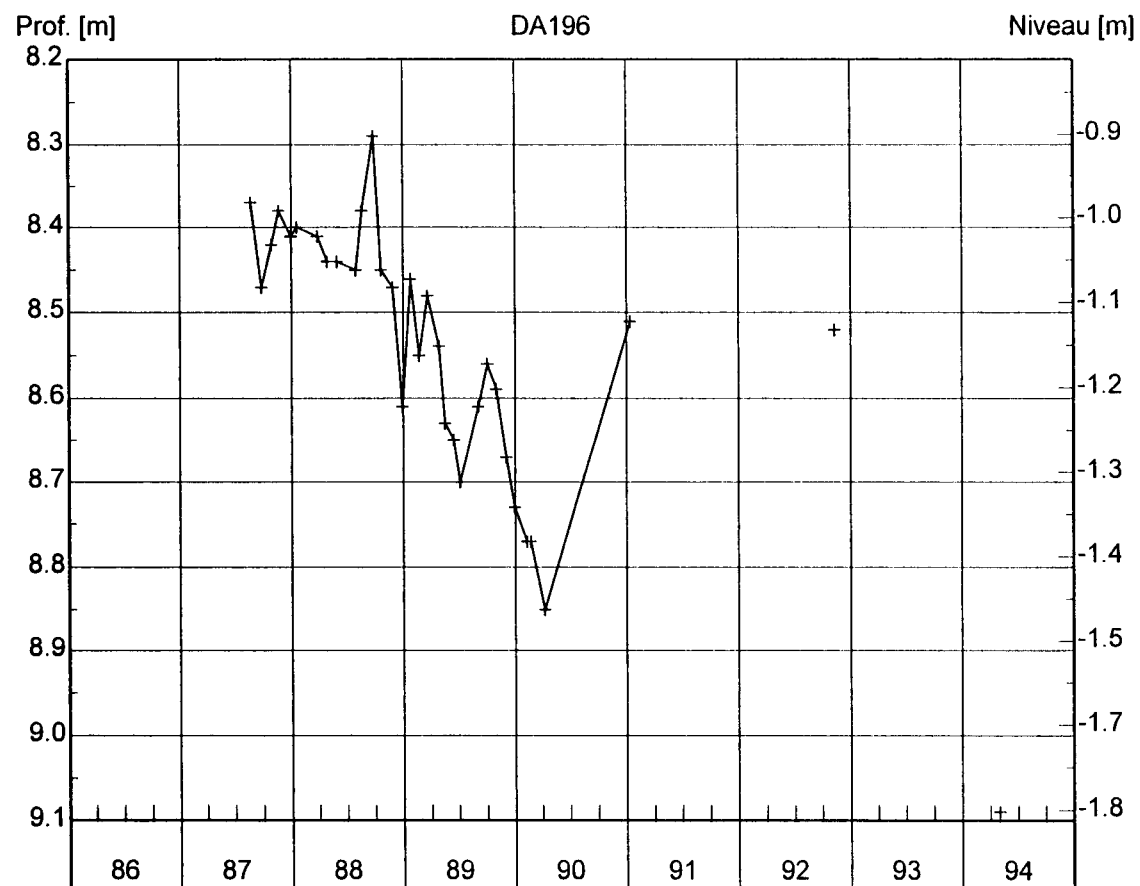


|                       |                     |
|-----------------------|---------------------|
| Prof<br>1250          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>500     |
| Unite Geol<br>QT      | Unite Geom<br>N     |
| Limnim<br>9           | Dist Limn<br>38.900 |
| Pluviom<br>21         | Dist Pluv<br>12.900 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 21 08 1987 | -0.44  | 19 03 1989 | -0.19  |      |        |
| 24 09 1987 | -0.33  | 25 04 1989 | -0.36  |      |        |
| 26 10 1987 | -0.28  | 17 05 1989 | -0.58  |      |        |
| 21 11 1987 | 0.22   | 14 06 1989 | -0.65  |      |        |
| 31 12 1987 | -0.26  | 4 07 1989  | -0.56  |      |        |
| 19 01 1988 | -0.23  | 29 12 1989 | -0.04  |      |        |
| 26 03 1988 | -0.29  | 7 02 1990  | -0.12  |      |        |
| 27 04 1988 | -0.31  | 19 02 1990 | -0.20  |      |        |
| 28 05 1988 | -0.35  | 7 04 1990  | -0.26  |      |        |
| 19 06 1988 | -0.48  | 10 11 1992 | 0.17   |      |        |
| 30 07 1988 | -0.32  | 2 05 1994  | -0.08  |      |        |
| 19 08 1988 | -0.17  | 26 11 1994 | 0.09   |      |        |
| 19 10 1988 | -0.10  |            |        |      |        |
| 25 11 1988 | -0.26  |            |        |      |        |
| 27 12 1988 | -0.29  |            |        |      |        |
| 24 01 1989 | -0.13  |            |        |      |        |
| 22 02 1989 | -0.32  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                     |             |                    |                           |                   |                    |
|---------------------|-------------|--------------------|---------------------------|-------------------|--------------------|
| Piézomètre<br>DA196 |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : PODOR 3B |
| X<br>537.1          | Y<br>1844.8 | Z<br>6.278         | Repère de mesure<br>7.338 |                   |                    |
| Coupe C5            |             |                    |                           |                   |                    |

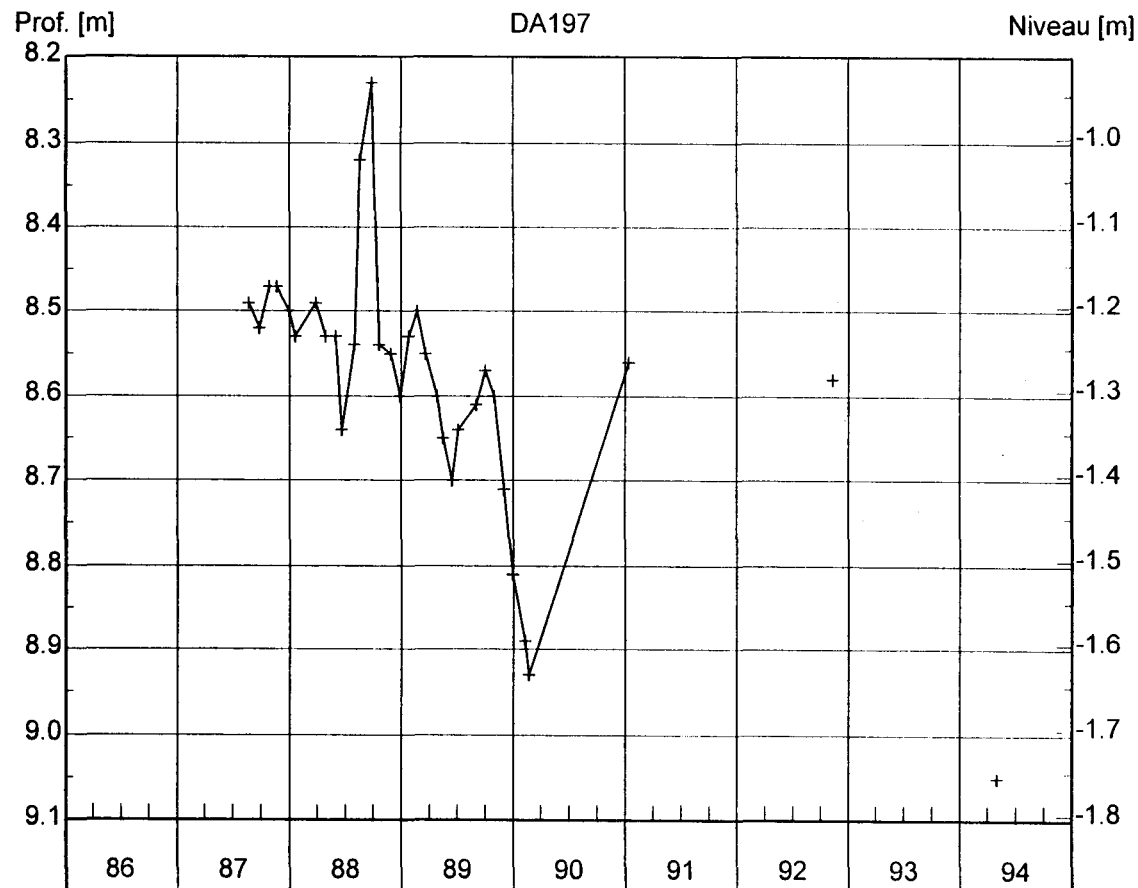


|                          |                     |
|--------------------------|---------------------|
| Prof<br>2950             | Annee<br>1987       |
| Fleuve<br>MARIGOT KOUNDI | Dist eau<br>1500    |
| Unite Geol<br>EM         | Unite Geom<br>M'    |
| Limnim<br>9              | Dist Limn<br>32.500 |
| Pluviom<br>21            | Dist Pluv<br>18.200 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 21 08 1987 | -1.03  | 20 03 1989 | -1.14  |      |        |
| 24 09 1987 | -1.13  | 25 04 1989 | -1.20  |      |        |
| 26 10 1987 | -1.08  | 16 05 1989 | -1.29  |      |        |
| 20 11 1987 | -1.04  | 13 06 1989 | -1.31  |      |        |
| 31 12 1987 | -1.07  | 4 07 1989  | -1.36  |      |        |
| 19 01 1988 | -1.06  | 1 09 1989  | -1.27  |      |        |
| 25 03 1988 | -1.07  | 2 10 1989  | -1.22  |      |        |
| 26 04 1988 | -1.10  | 31 10 1989 | -1.25  |      |        |
| 28 05 1988 | -1.10  | 1 12 1989  | -1.33  |      |        |
| 29 07 1988 | -1.11  | 30 12 1989 | -1.39  |      |        |
| 18 08 1988 | -1.04  | 8 02 1990  | -1.43  |      |        |
| 24 09 1988 | -0.95  | 19 02 1990 | -1.43  |      |        |
| 19 10 1988 | -1.11  | 8 04 1990  | -1.51  |      |        |
| 25 11 1988 | -1.13  | 12 01 1991 | -1.17  |      |        |
| 27 12 1988 | -1.27  | 11 11 1992 | -1.18  |      |        |
| 24 01 1989 | -1.12  | 2 05 1994  | -1.75  |      |        |
| 21 02 1989 | -1.21  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                     |             |                    |                           |                   |                    |
|---------------------|-------------|--------------------|---------------------------|-------------------|--------------------|
| Piézomètre<br>DA197 |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : PODOR 3B |
| X<br>537.1          | Y<br>1844.8 | Z<br>6.254         | Repère de mesure<br>7.294 |                   |                    |
| Coupe C5            |             |                    |                           |                   |                    |

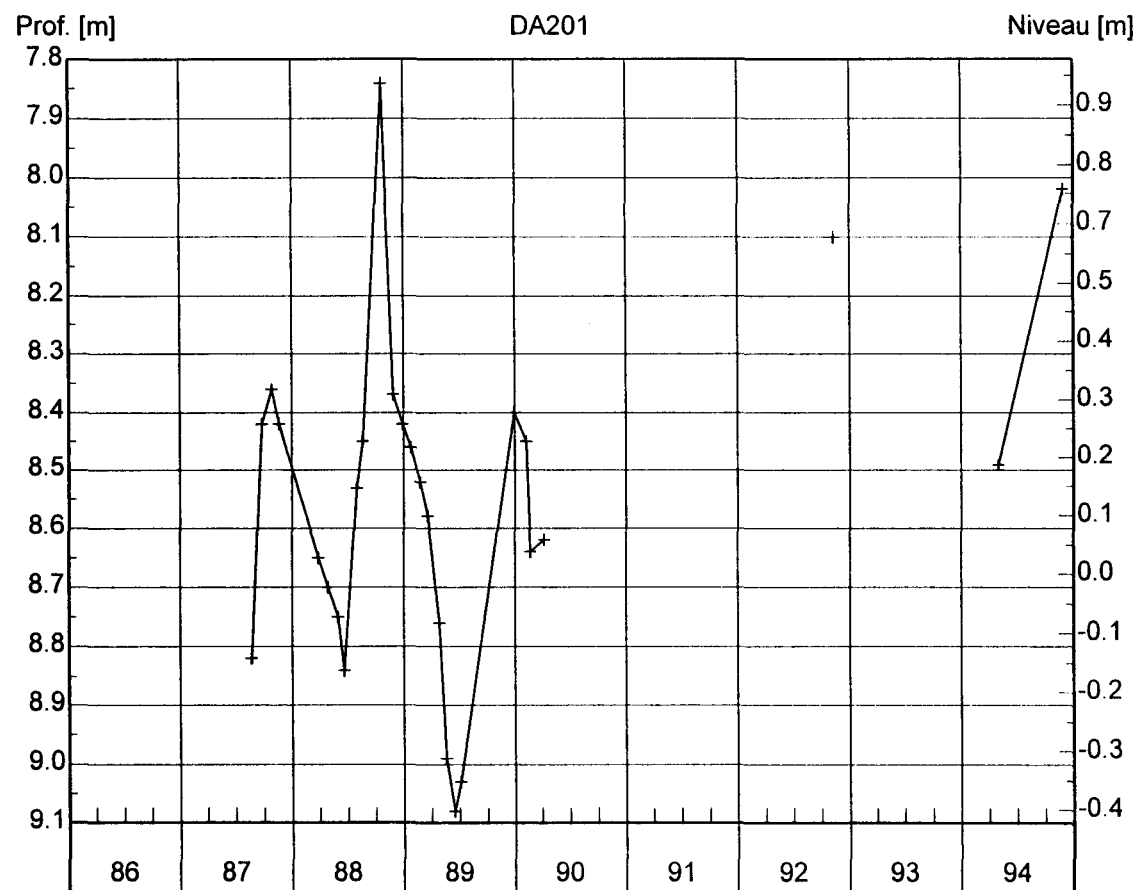


|                          |                     |
|--------------------------|---------------------|
| Prof<br>1330             | Annee<br>1987       |
| Fleuve<br>MARIGOT KOUNDI | Dist eau<br>1500    |
| Unite Geol<br>QT         | Unite Geom<br>M'    |
| Limnim<br>9              | Dist Limn<br>32.500 |
| Pluviom<br>21            | Dist Pluv<br>18.200 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 21 08 1987 | -1.20  | 21 02 1989 | -1.21  |      |        |
| 24 09 1987 | -1.23  | 20 03 1989 | -1.26  |      |        |
| 26 10 1987 | -1.18  | 25 04 1989 | -1.31  |      |        |
| 20 11 1987 | -1.18  | 16 05 1989 | -1.36  |      |        |
| 31 12 1987 | -1.21  | 13 06 1989 | -1.41  |      |        |
| 19 01 1988 | -1.24  | 4 07 1989  | -1.35  |      |        |
| 25 03 1988 | -1.20  | 1 09 1989  | -1.32  |      |        |
| 26 04 1988 | -1.24  | 2 10 1989  | -1.28  |      |        |
| 28 05 1988 | -1.24  | 31 10 1989 | -1.31  |      |        |
| 18 06 1988 | -1.35  | 1 12 1989  | -1.42  |      |        |
| 29 07 1988 | -1.25  | 30 12 1989 | -1.52  |      |        |
| 18 08 1988 | -1.03  | 8 02 1990  | -1.60  |      |        |
| 24 09 1988 | -0.94  | 19 02 1990 | -1.64  |      |        |
| 19 10 1988 | -1.25  | 12 01 1991 | -1.27  |      |        |
| 25 11 1988 | -1.26  | 11 11 1992 | -1.29  |      |        |
| 27 12 1988 | -1.31  | 2 05 1994  | -1.76  |      |        |
| 24 01 1989 | -1.24  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                     |             |                    |                           |                   |                    |
|---------------------|-------------|--------------------|---------------------------|-------------------|--------------------|
| Piézomètre<br>DA201 |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : PODOR 3B |
| X<br>543.4          | Y<br>1838.2 | Z<br>7.688         | Repère de mesure<br>8.728 | Coupe C5          |                    |

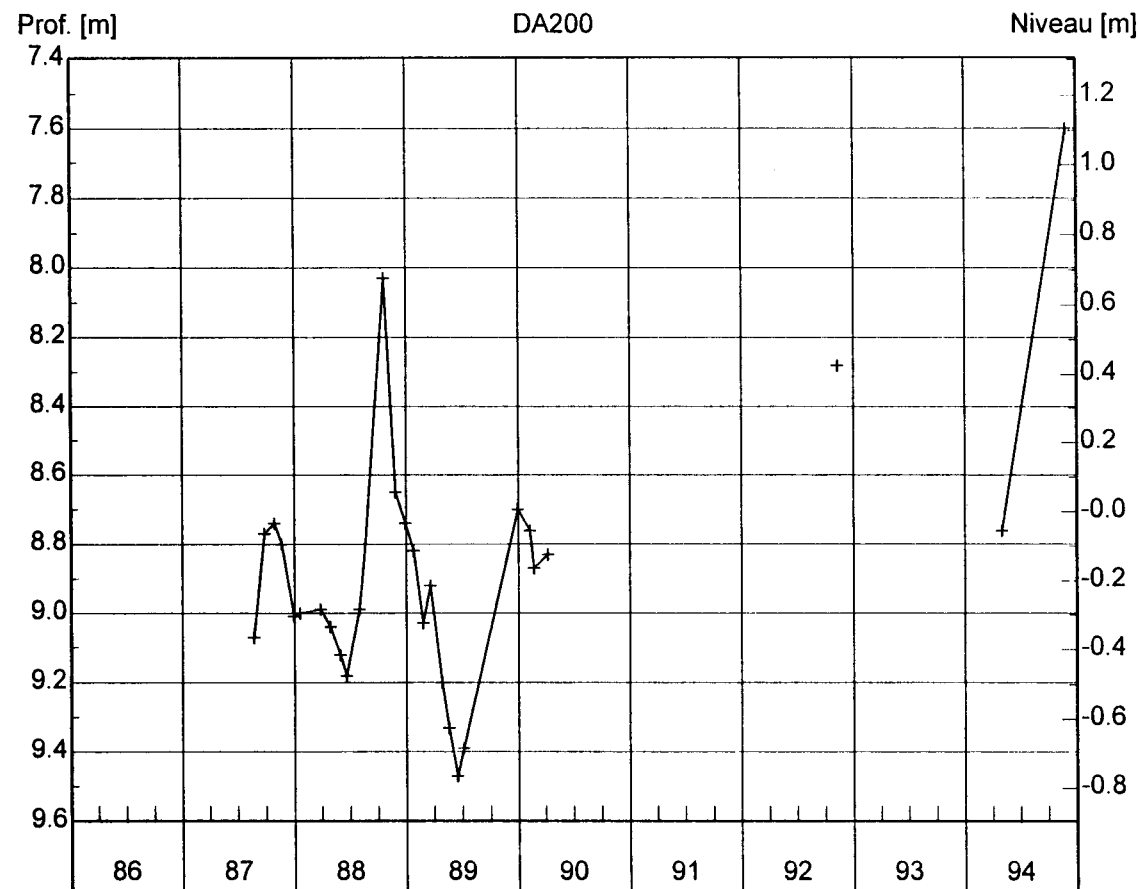


|                        |                     |
|------------------------|---------------------|
| Prof<br>1950           | Annee<br>1987       |
| Fleuve<br>FL . SENEGAL | Dist eau<br>300     |
| Unite Geol<br>QT       | Unite Geom<br>N     |
| Limnim<br>9            | Dist Limn<br>39.000 |
| Pluviom<br>21          | Dist Pluv<br>12.700 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 21 08 1987 | -0.09  | 17 05 1989 | -0.26  |      |        |
| 24 09 1987 | 0.31   | 14 06 1989 | -0.35  |      |        |
| 26 10 1987 | 0.37   | 4 07 1989  | -0.30  |      |        |
| 21 11 1987 | 0.31   | 29 12 1989 | 0.33   |      |        |
| 26 03 1988 | 0.08   | 7 02 1990  | 0.28   |      |        |
| 27 04 1988 | 0.03   | 19 02 1990 | 0.09   |      |        |
| 28 05 1988 | -0.02  | 7 04 1990  | 0.11   |      |        |
| 19 06 1988 | -0.11  | 10 11 1992 | 0.63   |      |        |
| 30 07 1988 | 0.20   | 2 05 1994  | 0.24   |      |        |
| 19 08 1988 | 0.28   | 26 11 1994 | 0.71   |      |        |
| 19 10 1988 | 0.89   |            |        |      |        |
| 25 11 1988 | 0.36   |            |        |      |        |
| 27 12 1988 | 0.31   |            |        |      |        |
| 24 01 1989 | 0.27   |            |        |      |        |
| 22 02 1989 | 0.21   |            |        |      |        |
| 19 03 1989 | 0.15   |            |        |      |        |
| 25 04 1989 | -0.03  |            |        |      |        |

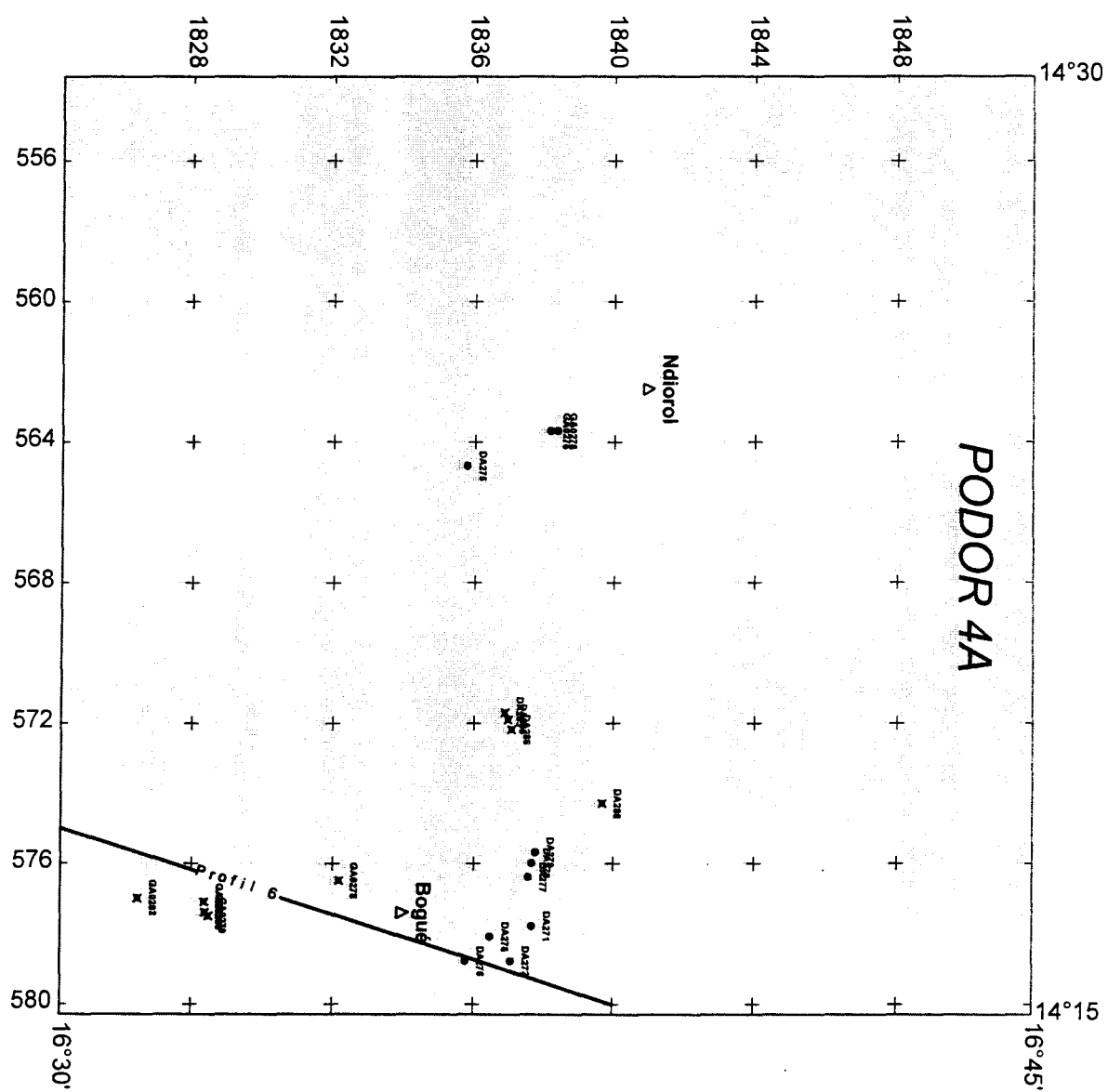
# VARIATION DU NIVEAU PIEZOMETRIQUE

|                     |             |                    |                           |                   |                    |
|---------------------|-------------|--------------------|---------------------------|-------------------|--------------------|
| Piézomètre<br>DA200 |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : PODOR 3B |
| X<br>543.4          | Y<br>1838.2 | Z<br>7.636         | Repère de mesure<br>8.706 |                   |                    |
| Coupe C5            |             |                    |                           |                   |                    |

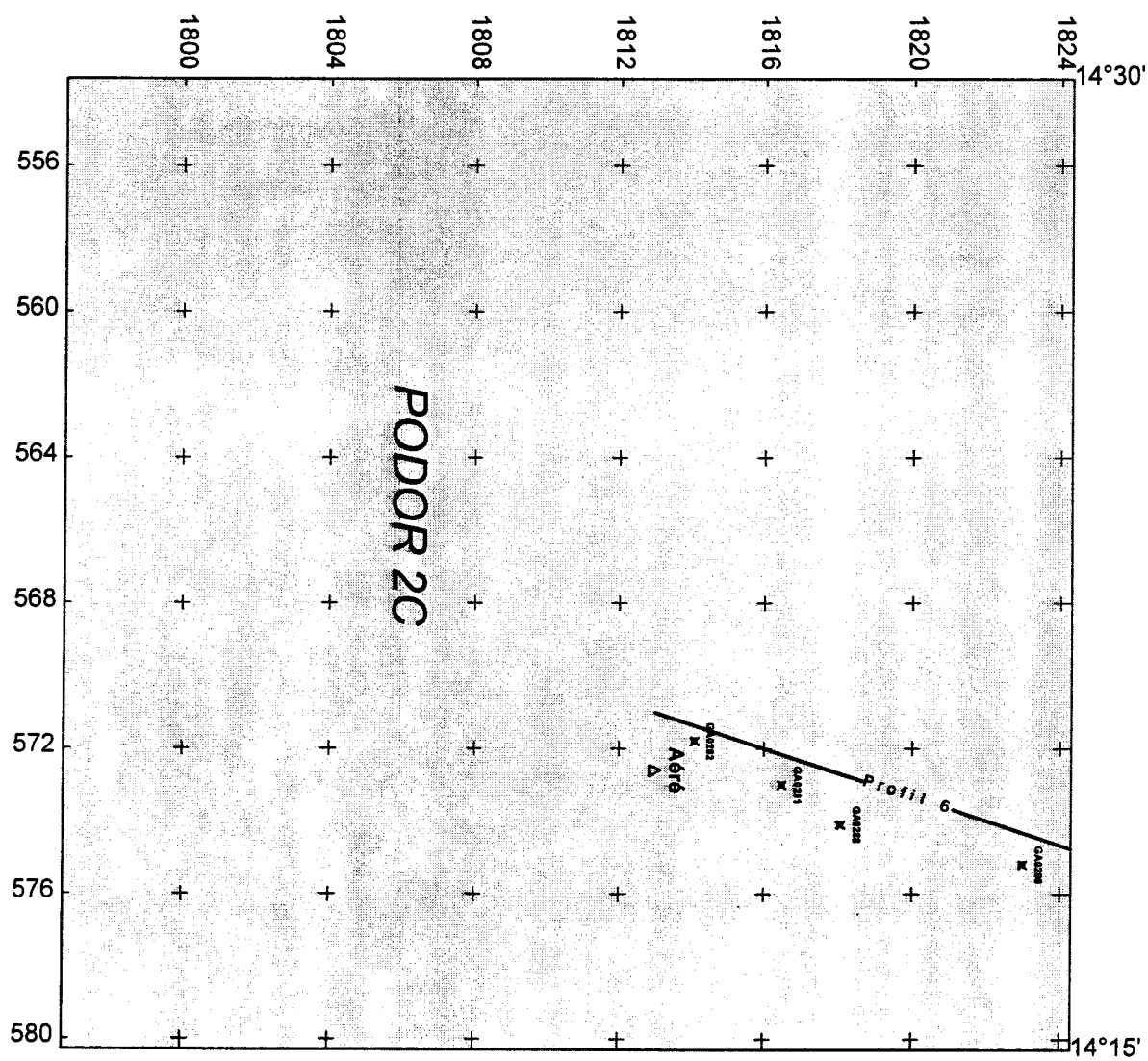


|                       |                     |
|-----------------------|---------------------|
| Prof<br>3550          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>300     |
| Unite Geol<br>QT      | Unite Geom<br>N     |
| Limnim<br>9           | Dist Limn<br>39.000 |
| Pluviom<br>21         | Dist Pluv<br>12.700 |

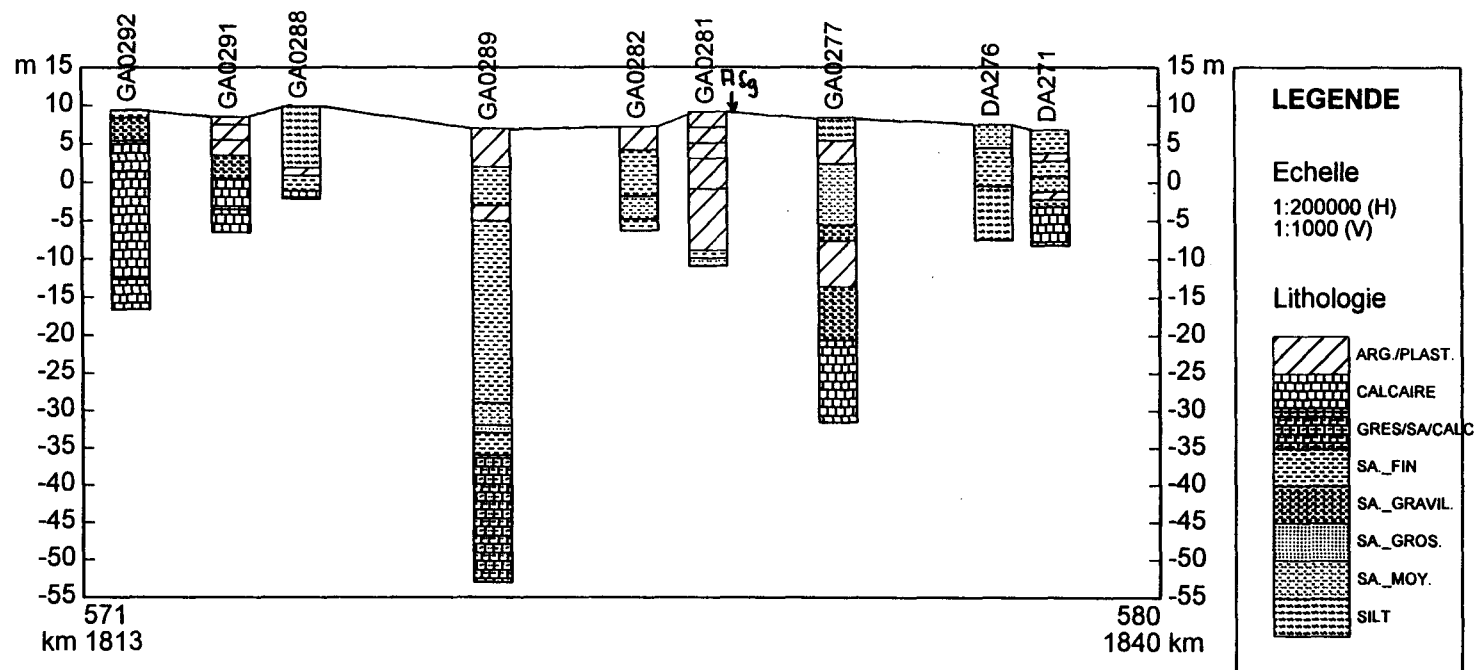
| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 21 08 1987 | -0.36  | 19 03 1989 | -0.21  |      |        |
| 24 09 1987 | -0.06  | 25 04 1989 | -0.49  |      |        |
| 26 10 1987 | -0.03  | 17 05 1989 | -0.62  |      |        |
| 21 11 1987 | -0.09  | 14 06 1989 | -0.76  |      |        |
| 31 12 1987 | -0.30  | 4 07 1989  | -0.68  |      |        |
| 19 01 1988 | -0.29  | 29 12 1989 | 0.01   |      |        |
| 26 03 1988 | -0.28  | 7 02 1990  | -0.05  |      |        |
| 27 04 1988 | -0.33  | 19 02 1990 | -0.16  |      |        |
| 28 05 1988 | -0.41  | 7 04 1990  | -0.12  |      |        |
| 19 06 1988 | -0.47  | 10 11 1992 | 0.43   |      |        |
| 30 07 1988 | -0.28  | 2 05 1994  | -0.05  |      |        |
| 19 08 1988 | -0.09  | 26 11 1994 | 1.11   |      |        |
| 19 10 1988 | 0.68   |            |        |      |        |
| 25 11 1988 | 0.06   |            |        |      |        |
| 27 12 1988 | -0.03  |            |        |      |        |
| 24 01 1989 | -0.11  |            |        |      |        |
| 22 02 1989 | -0.32  |            |        |      |        |







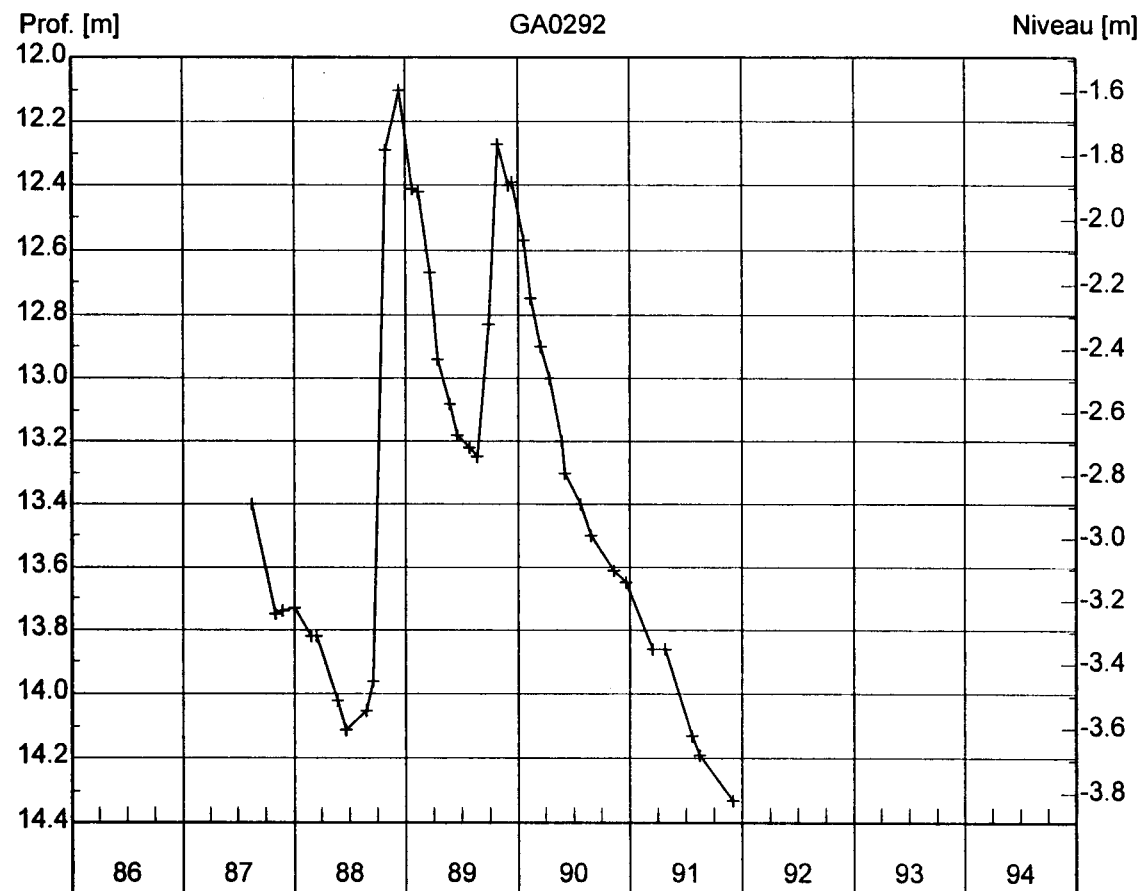
# **PROFIL LITHO-STRATIGRAPHIQUE C6 - PODOR 4A**



| idouv  | mtux  | mtuy   | z     | elrepign | profouv | geolid | geomid | lgcrep | profhcre | descstrat  |
|--------|-------|--------|-------|----------|---------|--------|--------|--------|----------|------------|
| DA271  | 577.8 | 1837.7 | 6.814 | 7.854    | 1450    | EM     | A      | 100    | 1300     | CALCAIRE   |
| DA272  | 578.8 | 1837.1 | 5.717 | 6.617    | 1450    | EM     | A      | 100    | 1300     | CALCAIRE   |
| DA275  | 564.7 | 1835.8 | 7.117 | 7.917    | 1450    | EM     | O      | 100    | 1300     | CALCAIRE   |
| DA276  | 578.8 | 1835.8 | 7.575 | 8.595    | 1450    | CT     | A      | 100    | 1300     | SABLE GROS |
| GA0277 | 576.5 | 1832.2 | 8.438 | 9.478    | 3930    | EM     | E      | 100    | 3780     | CALCAIRE   |
| GA0281 | 577.1 | 1828.4 | 9.143 | 10.123   | 1950    | QT     | M      | 100    | 1800     | SABLE FIN  |
| GA0282 | 577   | 1826.5 | 7.296 | 8.296    | 1300    | QT     | O      | 100    | 1150     | SABLE FIN  |
| GA0288 | 574.1 | 1818.1 | 9.93  | 11.01    | 1150    | QT     | O      | 100    | 1000     | SABLE FIN  |
| GA0289 | 575.2 | 1823   | 7.075 | 7.955    | 3900    | QT     | O      | 100    | 3700     | SABLE FIN  |
| GA0291 | 573   | 1816.5 | 8.585 | 9.695    | 1450    | EM     | N      | 100    | 1300     | CALCAIRE   |
| GA0292 | 571.8 | 1814.1 | 9.449 | 10.509   | 2551    | EM     | X      | 100    | 2401     | CALCAIRE   |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                           |
|-----------------------------|-------------|-----------------|----------------------------|---------------------------|
| Piézomètre<br><b>GA0292</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : <b>PODOR 2C</b> |
| X<br>571.8                  | Y<br>1814.1 | Z<br>9.449      | Repère de mesure<br>10.509 | Coupe C6                  |

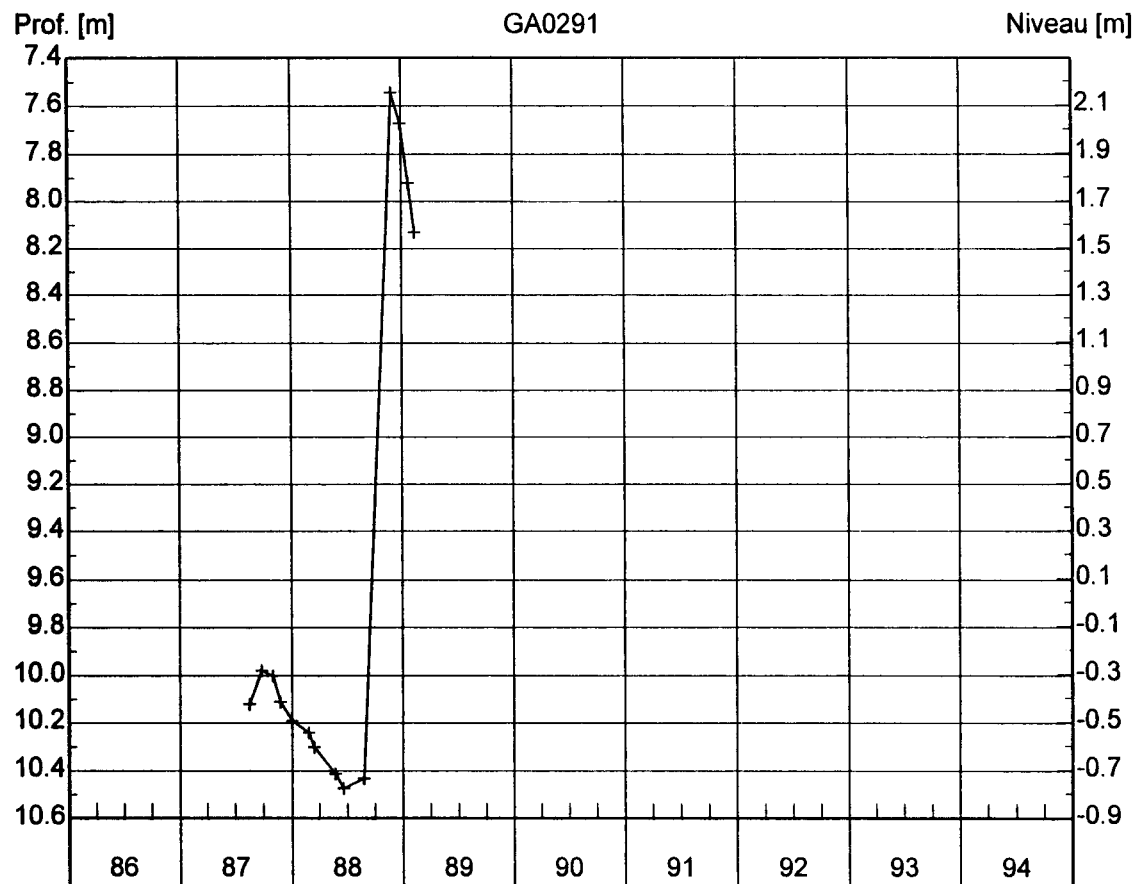


|                        |                     |
|------------------------|---------------------|
| Prof<br>2551           | Annee<br>1987       |
| Fleuve<br>MARIGOT DOUE | Dist eau<br>4500    |
| Unite Geol<br>EM       | Unite Geom<br>X     |
| Limnim<br>11           | Dist Limn<br>49.500 |
| Pluviom<br>24          | Dist Pluv<br>1.000  |

| Date       | Niveau | Date       | Niveau | Date       | Niveau |
|------------|--------|------------|--------|------------|--------|
| 15 08 1987 | -2.89  | 16 06 1989 | -2.67  | 14 03 1991 | -3.35  |
| 31 10 1987 | -3.24  | 26 07 1989 | -2.71  | 23 04 1991 | -3.35  |
| 22 11 1987 | -3.23  | 19 08 1989 | -2.74  | 20 07 1991 | -3.62  |
| 2 01 1988  | -3.22  | 26 09 1989 | -2.32  | 15 08 1991 | -3.68  |
| 25 02 1988 | -3.31  | 26 10 1989 | -1.76  | 3 12 1991  | -3.82  |
| 14 03 1988 | -3.31  | 30 11 1989 | -1.89  |            |        |
| 21 05 1988 | -3.51  | 11 12 1989 | -1.88  |            |        |
| 19 06 1988 | -3.60  | 17 01 1990 | -2.06  |            |        |
| 24 08 1988 | -3.54  | 9 02 1990  | -2.24  |            |        |
| 16 09 1988 | -3.45  | 14 03 1990 | -2.39  |            |        |
| 27 10 1988 | -1.78  | 12 04 1990 | -2.49  |            |        |
| 11 12 1988 | -1.59  | 22 05 1990 | -2.69  |            |        |
| 22 01 1989 | -1.90  | 31 05 1990 | -2.79  |            |        |
| 10 02 1989 | -1.91  | 23 07 1990 | -2.89  |            |        |
| 19 03 1989 | -2.16  | 25 08 1990 | -2.99  |            |        |
| 14 04 1989 | -2.43  | 8 11 1990  | -3.10  |            |        |
| 22 05 1989 | -2.57  | 17 12 1990 | 3.14   |            |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                           |                           |
|-----------------------------|-------------|-----------------|---------------------------|---------------------------|
| Piézomètre<br><b>GA0291</b> |             | Pays<br>Sénégal | Communauté rurale         | Feuille : <b>PODOR 2C</b> |
| X<br>573.0                  | Y<br>1816.5 | Z<br>8.585      | Repère de mesure<br>9.695 | Coupe C6                  |

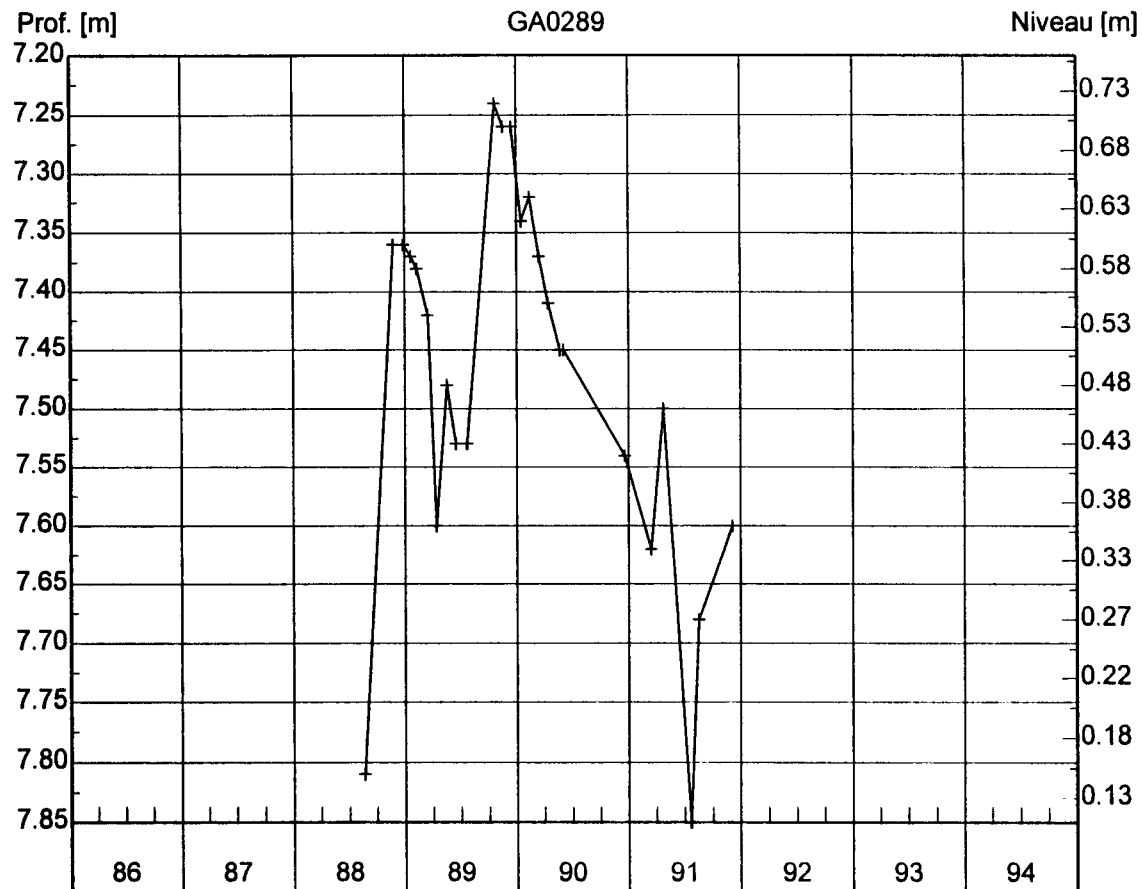


|                        |                     |
|------------------------|---------------------|
| Prof<br>1450           | Annee<br>1987       |
| Fleuve<br>MARIGOT DOUE | Dist eau<br>1900    |
| Unite Geol<br>EM       | Unite Geom<br>N     |
| Limnim<br>11           | Dist Limn<br>49.600 |
| Pluviom<br>24          | Dist Pluv<br>3.700  |

| Date       | Niveau | Date | Niveau | Date | Niveau |
|------------|--------|------|--------|------|--------|
| 15 08 1987 | -0.43  |      |        |      |        |
| 24 09 1987 | -0.28  |      |        |      |        |
| 31 10 1987 | -0.31  |      |        |      |        |
| 22 11 1987 | -0.41  |      |        |      |        |
| 2 01 1988  | -0.49  |      |        |      |        |
| 25 02 1988 | -0.55  |      |        |      |        |
| 14 03 1988 | -0.61  |      |        |      |        |
| 21 05 1988 | -0.72  |      |        |      |        |
| 19 06 1988 | -0.78  |      |        |      |        |
| 24 08 1988 | -0.74  |      |        |      |        |
| 29 11 1988 | 2.15   |      |        |      |        |
| 29 12 1988 | 2.02   |      |        |      |        |
| 22 01 1989 | 1.77   |      |        |      |        |
| 10 02 1989 | 1.56   |      |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                           |                   |                           |
|-----------------------------|-------------|-----------------|---------------------------|-------------------|---------------------------|
| Piézomètre<br><b>GA0289</b> |             | Pays<br>Sénégal |                           | Communauté rurale | Feuille : <b>PODOR 2C</b> |
| X<br>575.2                  | Y<br>1823.0 | Z<br>7.075      | Repère de mesure<br>7.955 |                   | Coupe C6                  |

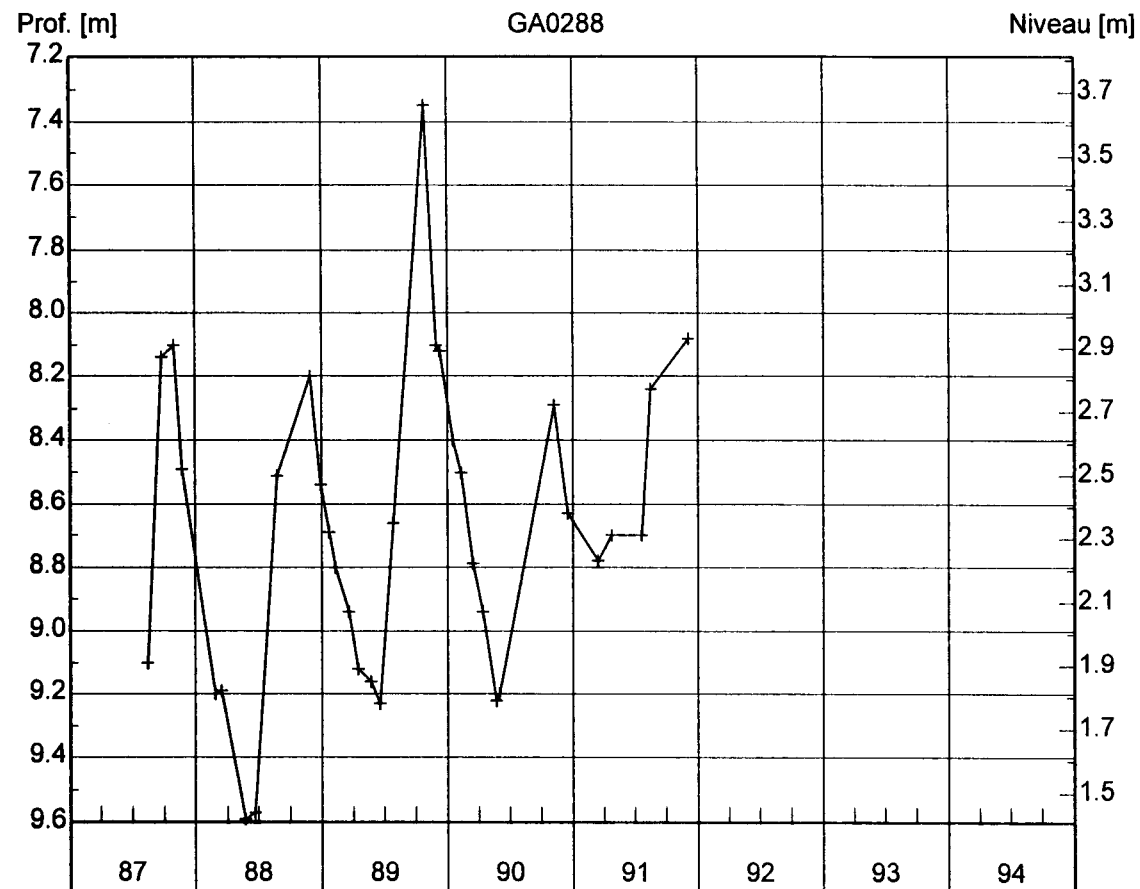


|                        |                     |
|------------------------|---------------------|
| Prof<br>3900           | Annee<br>1987       |
| Fleuve<br>MARIGOT DOUE | Dist eau<br>4100    |
| Unite Geol<br>QT       | Unite Geom<br>O     |
| Limnim<br>10           | Dist Limn<br>12.700 |
| Pluviom<br>24          | Dist Pluv<br>10.700 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 19 08 1988 | 0.14   | 18 05 1990 | 0.51   |      |        |
| 24 11 1988 | 0.59   | 1 06 1990  | 0.51   |      |        |
| 26 12 1988 | 0.59   | 18 12 1990 | 0.41   |      |        |
| 18 01 1989 | 0.59   | 15 03 1991 | 0.34   |      |        |
| 9 02 1989  | 0.57   | 24 04 1991 | 0.45   |      |        |
| 14 03 1989 | 0.53   | 20 07 1991 | 0.11   |      |        |
| 11 04 1989 | 0.36   | 16 08 1991 | 0.28   |      |        |
| 16 05 1989 | 0.47   | 4 12 1991  | 0.36   |      |        |
| 15 06 1989 | 0.42   |            |        |      |        |
| 22 07 1989 | 0.42   |            |        |      |        |
| 21 10 1989 | 0.72   |            |        |      |        |
| 18 11 1989 | 0.69   |            |        |      |        |
| 14 12 1989 | 0.69   |            |        |      |        |
| 16 01 1990 | 0.61   |            |        |      |        |
| 11 02 1990 | 0.63   |            |        |      |        |
| 13 03 1990 | 0.59   |            |        |      |        |
| 13 04 1990 | 0.55   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                   |                           |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|---------------------------|
| Piézomètre<br><b>GA0288</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : <b>PODOR 2C</b> |
| X<br>574.1                  | Y<br>1818.1 | Z<br>9.930      | Repère de mesure<br>11.010 |                   | Coupe C6                  |

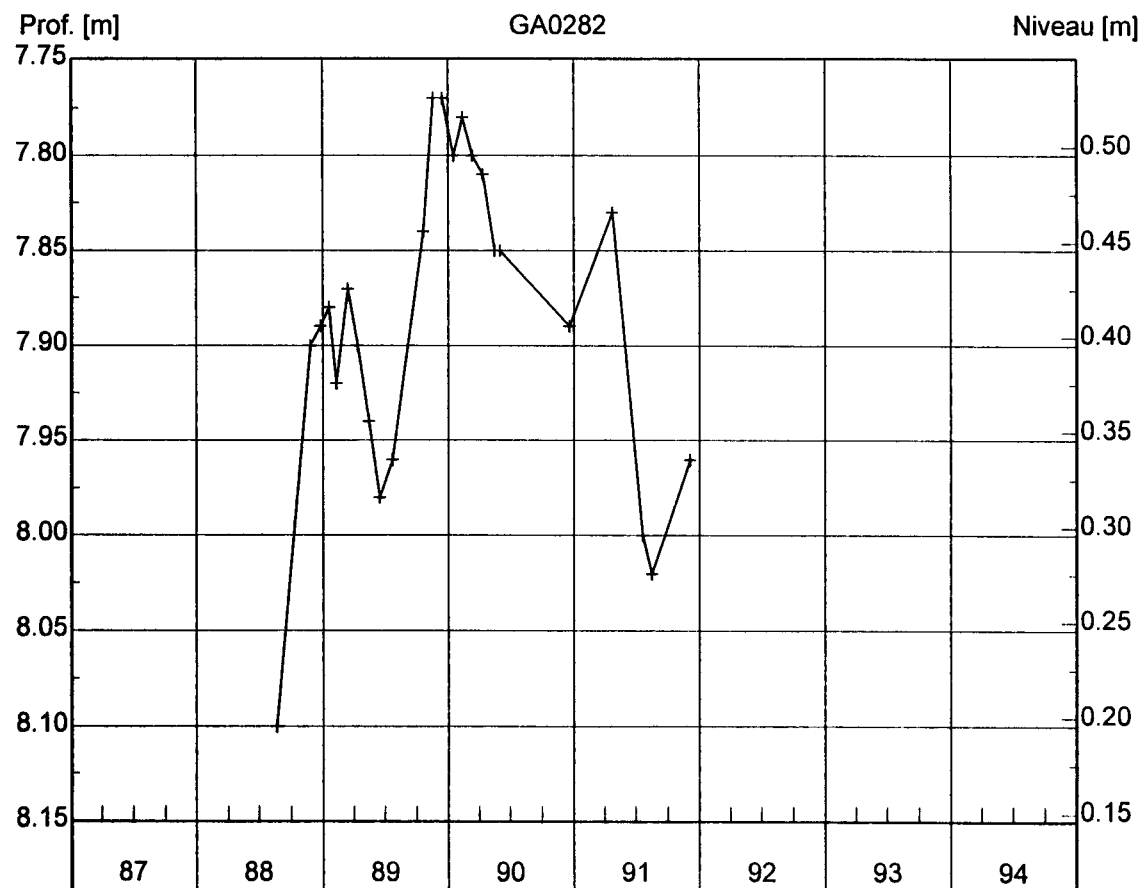


|                        |                     |
|------------------------|---------------------|
| Prof<br>1150           | Annee<br>1987       |
| Fleuve<br>MARIGOT DOUE | Dist eau<br>88      |
| Unite Geol<br>QT       | Unite Geom<br>O     |
| Limnim<br>11           | Dist Limn<br>50.200 |
| Pluviom<br>24          | Dist Pluv<br>5.600  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 15 08 1987 | 1.91   | 26 07 1989 | 2.35   |      |        |
| 25 09 1987 | 2.87   | 26 10 1989 | 3.66   |      |        |
| 31 10 1987 | 2.91   | 30 11 1989 | 2.91   |      |        |
| 22 11 1987 | 2.52   | 11 12 1989 | 2.89   |      |        |
| 25 02 1988 | 1.81   | 17 01 1990 | 2.61   |      |        |
| 14 03 1988 | 1.82   | 9 02 1990  | 2.51   |      |        |
| 21 05 1988 | 1.42   | 14 03 1990 | 2.22   |      |        |
| 19 06 1988 | 1.44   | 12 04 1990 | 2.07   |      |        |
| 24 08 1988 | 2.50   | 22 05 1990 | 1.79   |      |        |
| 29 11 1988 | 2.81   | 31 05 1990 | 1.81   |      |        |
| 29 12 1988 | 2.47   | 8 11 1990  | 2.72   |      |        |
| 22 01 1989 | 2.32   | 17 12 1990 | 2.38   |      |        |
| 9 02 1989  | 2.21   | 14 03 1991 | 2.23   |      |        |
| 19 03 1989 | 2.07   | 23 04 1991 | 2.31   |      |        |
| 14 04 1989 | 1.89   | 20 07 1991 | 2.31   |      |        |
| 22 05 1989 | 1.85   | 15 08 1991 | 2.77   |      |        |
| 16 06 1989 | 1.78   | 3 12 1991  | 2.93   |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                      |             |                 |                           |                   |                    |
|----------------------|-------------|-----------------|---------------------------|-------------------|--------------------|
| Piézomètre<br>GA0282 |             | Pays<br>Sénégal |                           | Communauté rurale | Feuille : PODOR 4A |
| X<br>577.0           | Y<br>1826.5 | Z<br>7.296      | Repère de mesure<br>8.296 |                   |                    |
| Coupe C6             |             |                 |                           |                   |                    |

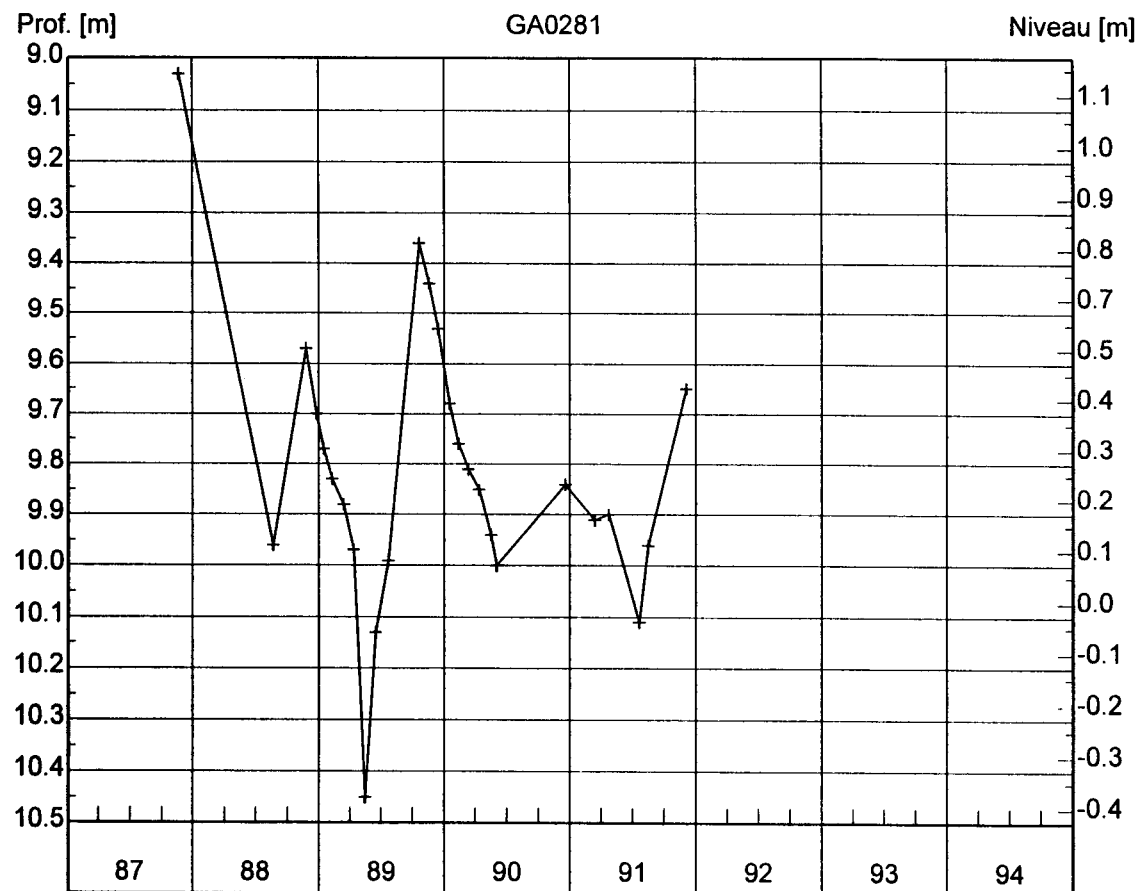


|                       |                    |
|-----------------------|--------------------|
| Prof<br>1300          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>1600   |
| Unite Geol<br>QT      | Unite Geom<br>O    |
| Limnim<br>10          | Dist Limn<br>7.500 |
| Pluviom<br>22         | Dist Pluv<br>7.900 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 19 08 1988 | 0.20   | 18 05 1990 | 0.45   |      |        |
| 24 11 1988 | 0.40   | 1 06 1990  | 0.45   |      |        |
| 26 12 1988 | 0.41   | 18 12 1990 | 0.41   |      |        |
| 18 01 1989 | 0.42   | 24 04 1991 | 0.47   |      |        |
| 9 02 1989  | 0.38   | 20 07 1991 | 0.30   |      |        |
| 14 03 1989 | 0.43   | 16 08 1991 | 0.28   |      |        |
| 11 04 1989 | 0.40   | 4 12 1991  | 0.34   |      |        |
| 15 05 1989 | 0.36   |            |        |      |        |
| 15 06 1989 | 0.32   |            |        |      |        |
| 22 07 1989 | 0.34   |            |        |      |        |
| 21 10 1989 | 0.46   |            |        |      |        |
| 18 11 1989 | 0.53   |            |        |      |        |
| 14 12 1989 | 0.53   |            |        |      |        |
| 16 01 1990 | 0.50   |            |        |      |        |
| 11 02 1990 | 0.52   |            |        |      |        |
| 13 03 1990 | 0.50   |            |        |      |        |
| 13 04 1990 | 0.49   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                   |                           |  |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|---------------------------|--|
| Piézomètre<br><b>GA0281</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : <b>PODOR 4A</b> |  |
| X<br>577.1                  | Y<br>1828.4 | Z<br>9.143      | Repère de mesure<br>10.123 |                   | Coupe C6                  |  |



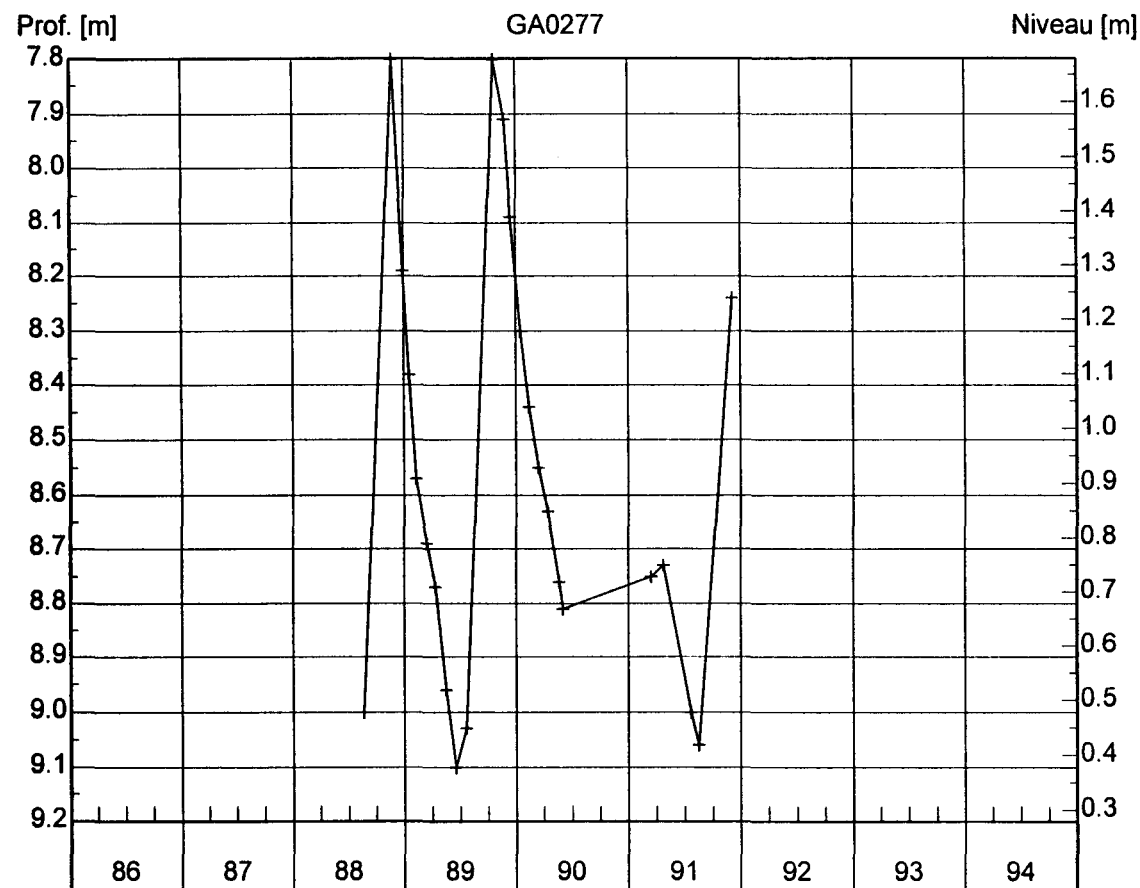
|                       |                    |
|-----------------------|--------------------|
| Prof<br>1950          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>500    |
| Unite Geol<br>QT      | Unite Geom<br>M    |
| Limnim<br>10          | Dist Limn<br>5.600 |
| Pluviom<br>22         | Dist Pluv<br>6.100 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 22 11 1987 | 1.09   | 13 04 1990 | 0.27   |      |        |
| 19 08 1988 | 0.16   | 18 05 1990 | 0.18   |      |        |
| 24 11 1988 | 0.55   | 1 06 1990  | 0.12   |      |        |
| 26 12 1988 | 0.42   | 18 12 1990 | 0.28   |      |        |
| 17 01 1989 | 0.35   | 15 03 1991 | 0.21   |      |        |
| 9 02 1989  | 0.29   | 24 04 1991 | 0.22   |      |        |
| 14 03 1989 | 0.24   | 20 07 1991 | 0.01   |      |        |
| 11 04 1989 | 0.15   | 16 08 1991 | 0.16   |      |        |
| 15 05 1989 | -0.33  | 4 12 1991  | 0.47   |      |        |
| 15 06 1989 | -0.01  |            |        |      |        |
| 22 07 1989 | 0.13   |            |        |      |        |
| 21 10 1989 | 0.76   |            |        |      |        |
| 18 11 1989 | 0.68   |            |        |      |        |
| 14 12 1989 | 0.59   |            |        |      |        |
| 16 01 1990 | 0.44   |            |        |      |        |
| 11 02 1990 | 0.36   |            |        |      |        |
| 13 03 1990 | 0.31   |            |        |      |        |



# VARIATION DU NIVEAU PIEZOMETRIQUE

|                             |             |                 |                           |                   |                           |
|-----------------------------|-------------|-----------------|---------------------------|-------------------|---------------------------|
| Piézomètre<br><b>GA0277</b> |             | Pays<br>Sénégal |                           | Communauté rurale | Feuille : <b>PODOR 4A</b> |
| X<br>576.5                  | Y<br>1832.2 | Z<br>8.438      | Repère de mesure<br>9.478 |                   | Coupe C6                  |

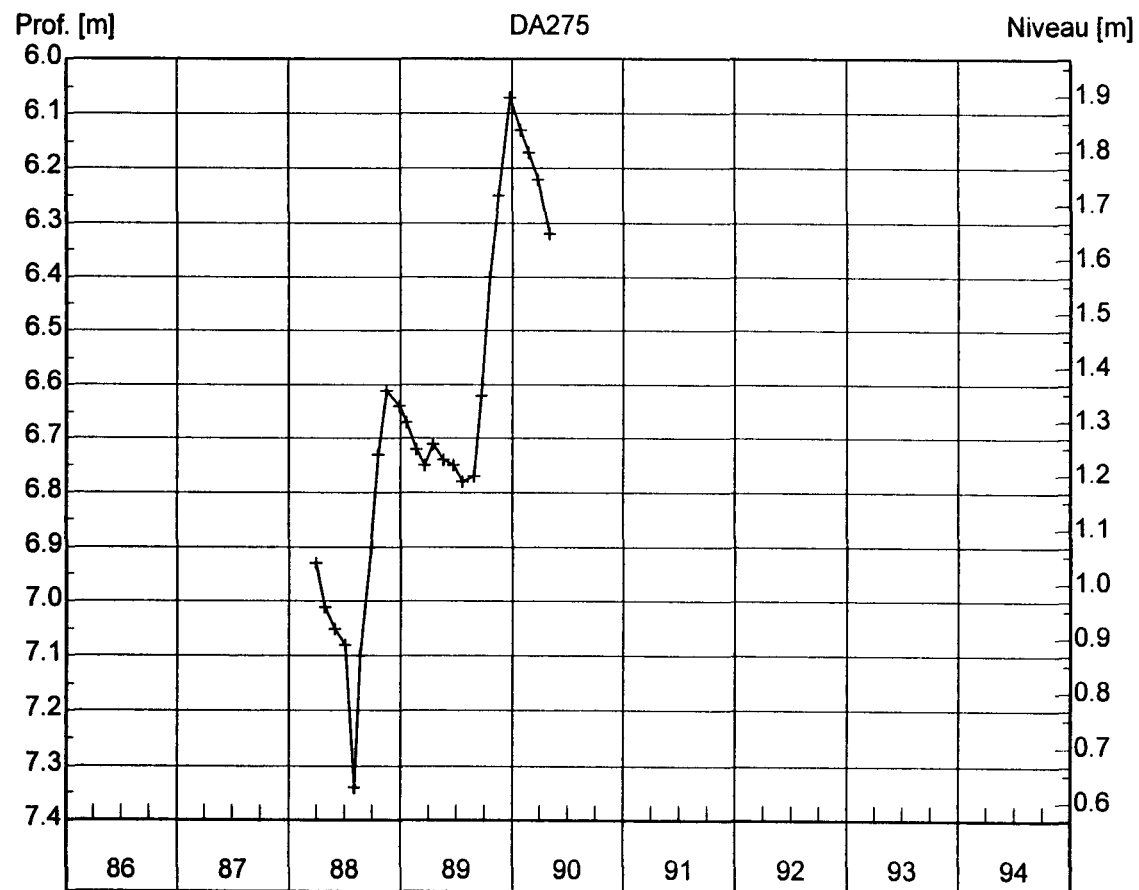


|                       |                    |
|-----------------------|--------------------|
| Prof<br>3930          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>1400   |
| Unite Geol<br>EM      | Unite Geom<br>E    |
| Limnim<br>10          | Dist Limn<br>1.700 |
| Pluviom<br>22         | Dist Pluv<br>2.200 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 19 08 1988 | 0.48   | 18 05 1990 | 0.72   |      |        |
| 24 11 1988 | 1.68   | 01 06 1990 | 0.67   |      |        |
| 27 12 1988 | 1.29   | 15 03 1991 | 0.73   |      |        |
| 18 01 1989 | 1.10   | 24 04 1991 | 0.75   |      |        |
| 09 02 1989 | 0.91   | 20 07 1991 | 0.48   |      |        |
| 15 03 1989 | 0.79   | 16 08 1991 | 0.42   |      |        |
| 12 04 1989 | 0.71   | 04 12 1991 | 1.24   |      |        |
| 16 05 1989 | 0.52   |            |        |      |        |
| 16 06 1989 | 0.38   |            |        |      |        |
| 22 07 1989 | 0.45   |            |        |      |        |
| 21 10 1989 | 1.68   |            |        |      |        |
| 25 11 1989 | 1.57   |            |        |      |        |
| 14 12 1989 | 1.39   |            |        |      |        |
| 16 01 1990 | 1.18   |            |        |      |        |
| 11 02 1990 | 1.04   |            |        |      |        |
| 13 03 1990 | 0.93   |            |        |      |        |
| 13 04 1990 | 0.85   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                           |                           |
|----------------------------|-------------|--------------------|---------------------------|---------------------------|
| Piézomètre<br><b>DA275</b> |             | Pays<br>Mauritanie | Communauté rurale         | Feuille : <b>PODOR 4A</b> |
| X<br>564.7                 | Y<br>1835.8 | Z<br>7.117         | Repère de mesure<br>7.917 | Coupe C6                  |

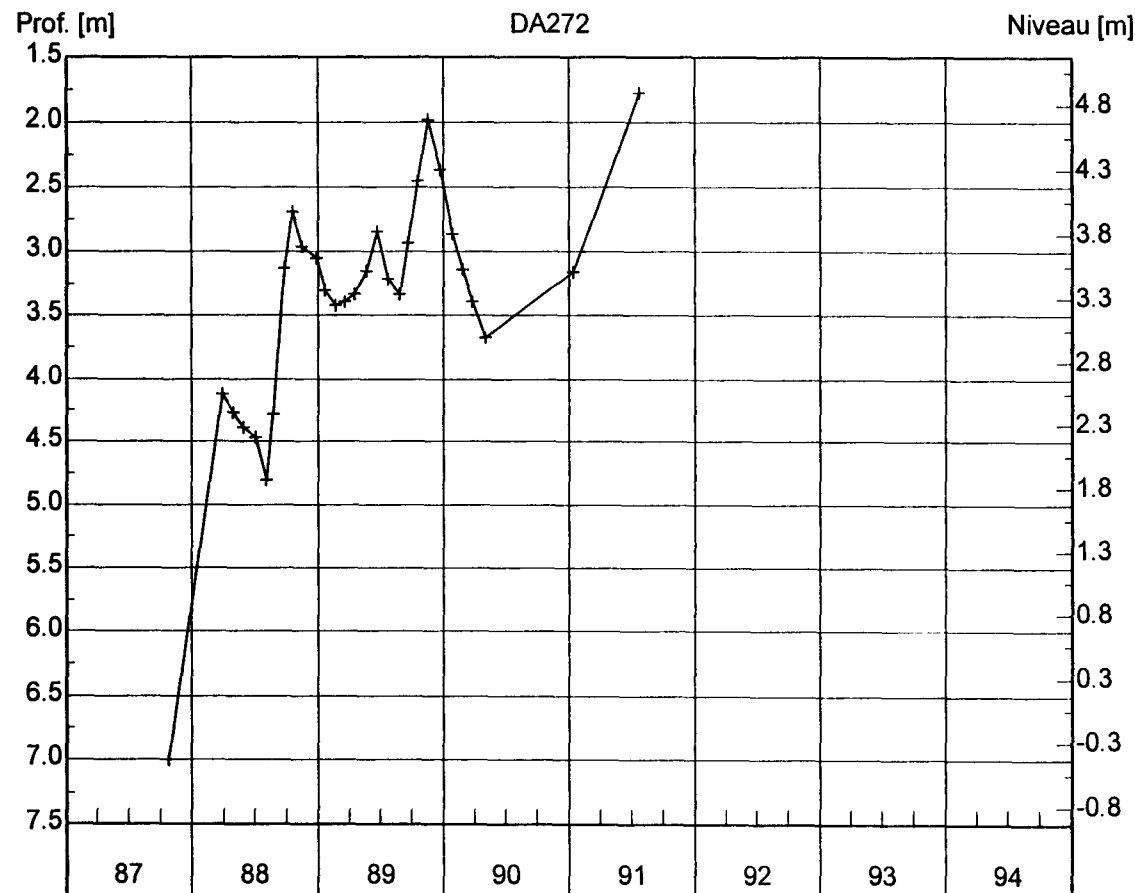


|                       |                    |
|-----------------------|--------------------|
| Prof<br>1450          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>2400   |
| Unite Geol<br>EM      | Unite Geom<br>O    |
| Limnim<br>10          | Dist Limn<br>2.300 |
| Pluviom<br>22         | Dist Pluv<br>1.600 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 27 03 1988 | 0.99   | 27 08 1989 | 1.15   |      |        |
| 28 04 1988 | 0.91   | 20 09 1989 | 1.30   |      |        |
| 29 05 1988 | 0.87   | 19 10 1989 | 1.52   |      |        |
| 2 07 1988  | 0.84   | 18 11 1989 | 1.67   |      |        |
| 1 08 1988  | 0.58   | 23 12 1989 | 1.85   |      |        |
| 20 08 1988 | 0.82   | 28 01 1990 | 1.79   |      |        |
| 24 09 1988 | 1.02   | 24 02 1990 | 1.75   |      |        |
| 19 10 1988 | 1.19   | 25 03 1990 | 1.70   |      |        |
| 15 11 1988 | 1.31   | 1 05 1990  | 1.60   |      |        |
| 28 12 1988 | 1.28   |            |        |      |        |
| 20 01 1989 | 1.25   |            |        |      |        |
| 20 02 1989 | 1.20   |            |        |      |        |
| 19 03 1989 | 1.17   |            |        |      |        |
| 17 04 1989 | 1.21   |            |        |      |        |
| 20 05 1989 | 1.18   |            |        |      |        |
| 21 06 1989 | 1.17   |            |        |      |        |
| 22 07 1989 | 1.14   |            |        |      |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                            |             |                    |                           |                           |
|----------------------------|-------------|--------------------|---------------------------|---------------------------|
| Piézomètre<br><b>DA272</b> |             | Pays<br>Mauritanie | Communauté rurale         | Feuille : <b>PODOR 4A</b> |
| X<br>578.8                 | Y<br>1837.1 | Z<br>5.717         | Repère de mesure<br>6.617 | Coupe C6                  |

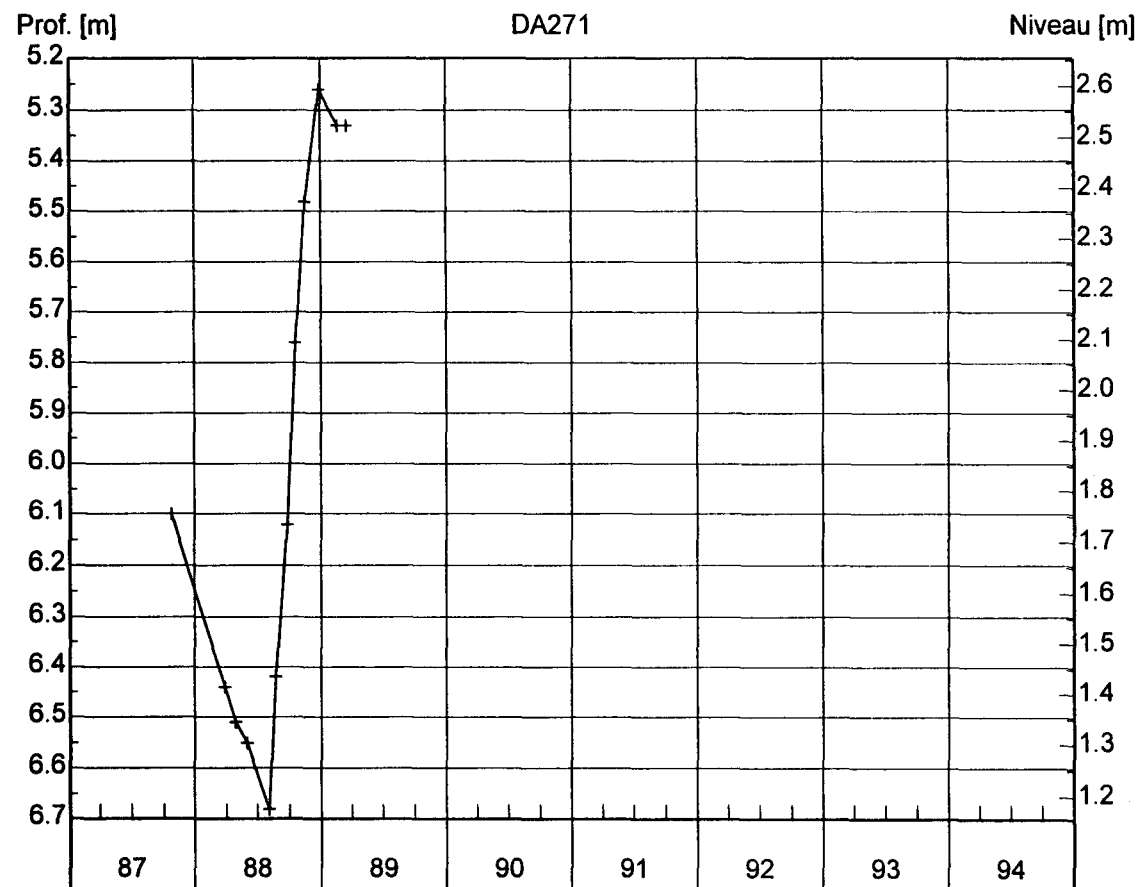


|                       |                    |
|-----------------------|--------------------|
| Prof<br>1450          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>3800   |
| Unite Geol<br>EM      | Unite Geom<br>A    |
| Limnim<br>10          | Dist Limn<br>3.800 |
| Pluviom<br>22         | Dist Pluv<br>3.300 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 25 10 1987 | -0.38  | 22 07 1989 | 3.41   |      |        |
| 27 03 1988 | 2.50   | 27 08 1989 | 3.29   |      |        |
| 28 04 1988 | 2.35   | 20 09 1989 | 3.69   |      |        |
| 29 05 1988 | 2.23   | 19 10 1989 | 4.17   |      |        |
| 2 07 1988  | 2.15   | 18 11 1989 | 4.64   |      |        |
| 1 08 1988  | 1.82   | 23 12 1989 | 4.26   |      |        |
| 22 08 1988 | 2.34   | 28 01 1990 | 3.76   |      |        |
| 24 09 1988 | 3.49   | 24 02 1990 | 3.48   |      |        |
| 19 10 1988 | 3.93   | 25 03 1990 | 3.23   |      |        |
| 15 11 1988 | 3.66   | 1 05 1990  | 2.95   |      |        |
| 28 12 1988 | 3.57   | 13 01 1991 | 3.46   |      |        |
| 20 01 1989 | 3.32   | 24 07 1991 | 4.85   |      |        |
| 20 02 1989 | 3.20   |            |        |      |        |
| 19 03 1989 | 3.23   |            |        |      |        |
| 17 04 1989 | 3.29   |            |        |      |        |
| 20 05 1989 | 3.47   |            |        |      |        |
| 21 06 1989 | 3.78   |            |        |      |        |

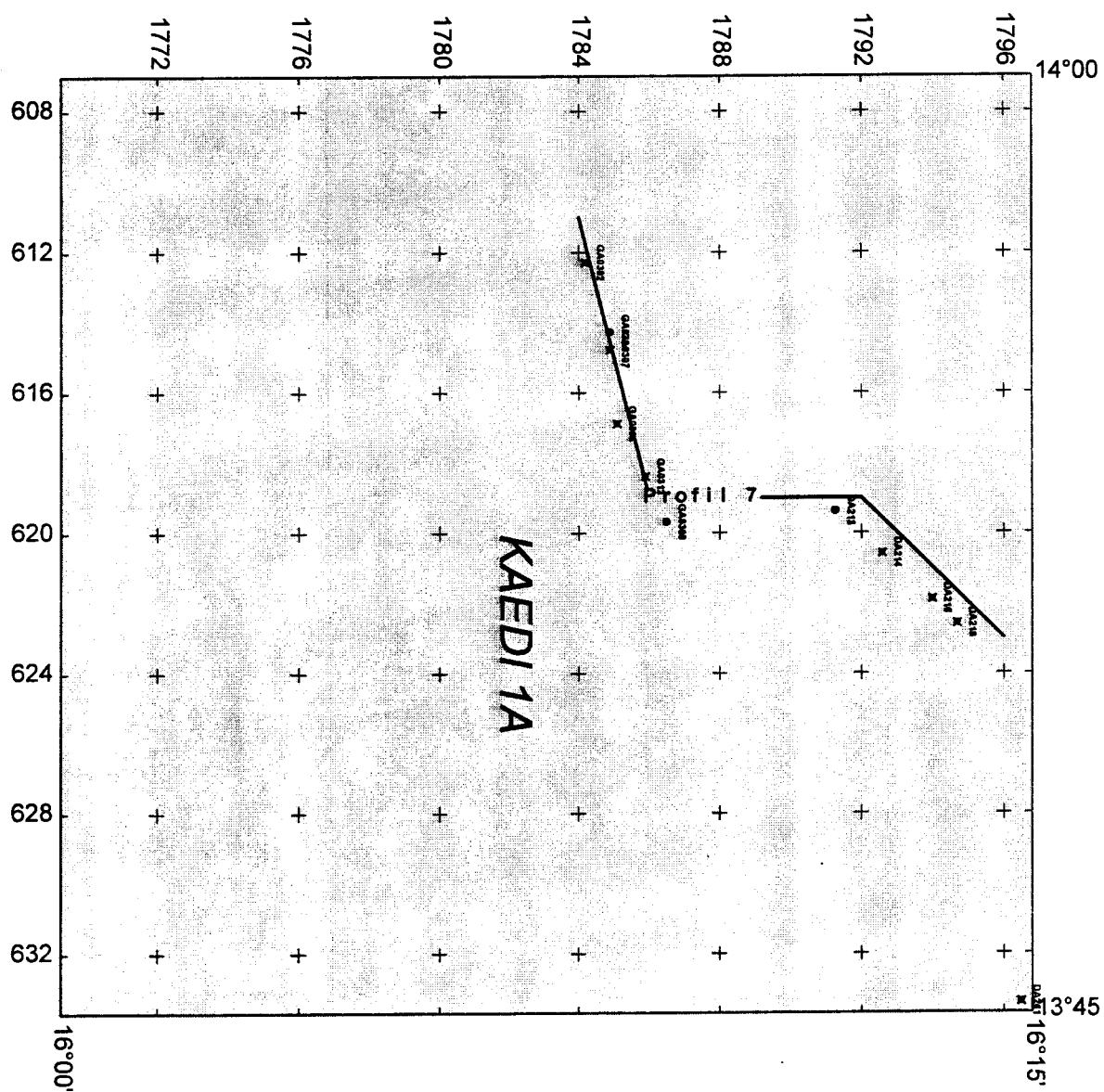
# VARIATION DU NIVEAU PIEZOMETRIQUE

|                     |             |                    |                           |                   |                    |
|---------------------|-------------|--------------------|---------------------------|-------------------|--------------------|
| Piézomètre<br>DA271 |             | Pays<br>Mauritanie |                           | Communauté rurale | Feuille : PODOR 4A |
| X<br>577.8          | Y<br>1837.7 | Z<br>6.814         | Repère de mesure<br>7.854 |                   | Coupe C6           |



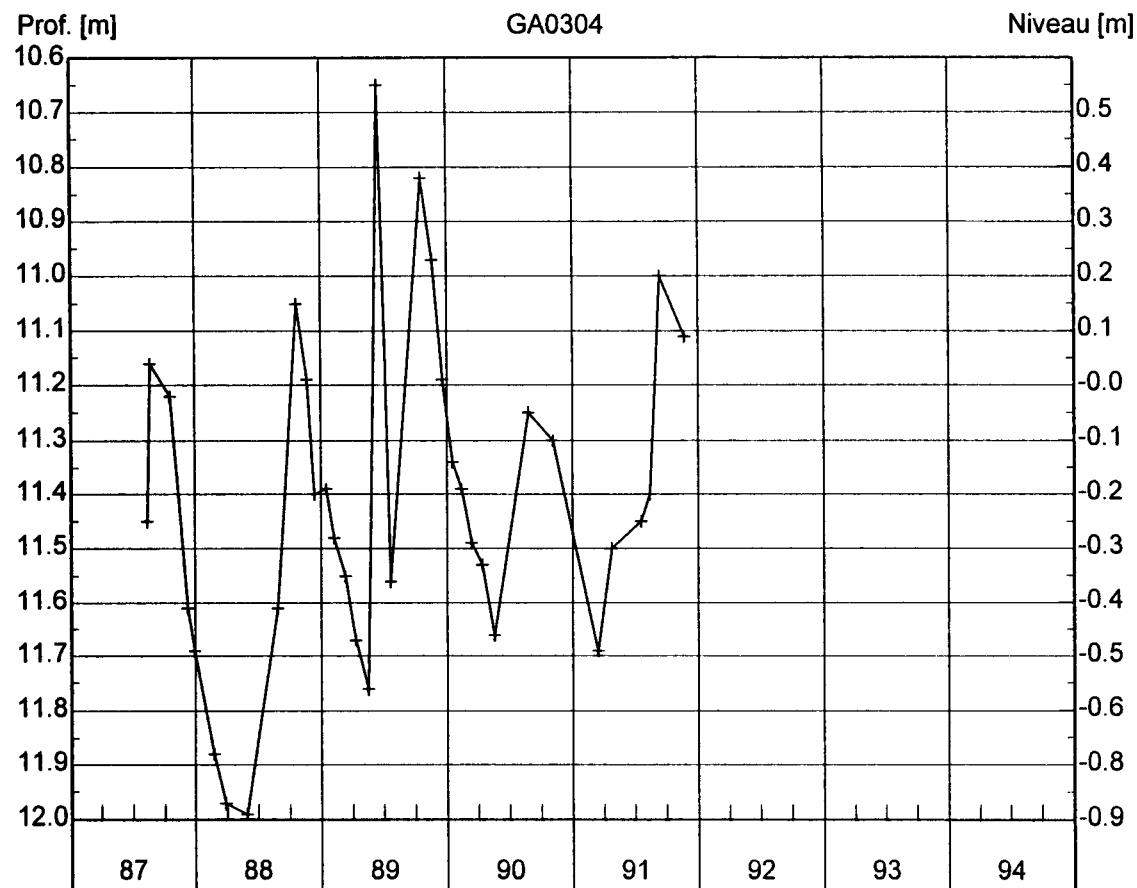
|                       |                    |
|-----------------------|--------------------|
| Prof<br>1450          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>3900   |
| Unite Geol<br>EM      | Unite Geom<br>A    |
| Limnim<br>10          | Dist Limn<br>3.800 |
| Pluviom<br>22         | Dist Pluv<br>3.200 |

| Date       | Niveau | Date | Niveau | Date | Niveau |
|------------|--------|------|--------|------|--------|
| 24 10 1987 | 1.75   |      |        |      |        |
| 27 03 1988 | 1.41   |      |        |      |        |
| 28 04 1988 | 1.34   |      |        |      |        |
| 29 05 1988 | 1.30   |      |        |      |        |
| 1 08 1988  | 1.17   |      |        |      |        |
| 22 08 1988 | 1.43   |      |        |      |        |
| 24 09 1988 | 1.73   |      |        |      |        |
| 19 10 1988 | 2.09   |      |        |      |        |
| 15 11 1988 | 2.37   |      |        |      |        |
| 28 12 1988 | 2.59   |      |        |      |        |
| 20 02 1989 | 2.52   |      |        |      |        |
| 18 03 1989 | 2.52   |      |        |      |        |



# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                    |
|-----------------------------|-------------|-----------------|----------------------------|--------------------|
| Piézomètre<br><b>GA0304</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : KAEDI 1A |
| X<br>614.3                  | Y<br>1784.9 | Z<br>10.000     | Repère de mesure<br>11.150 | Coupe C7           |

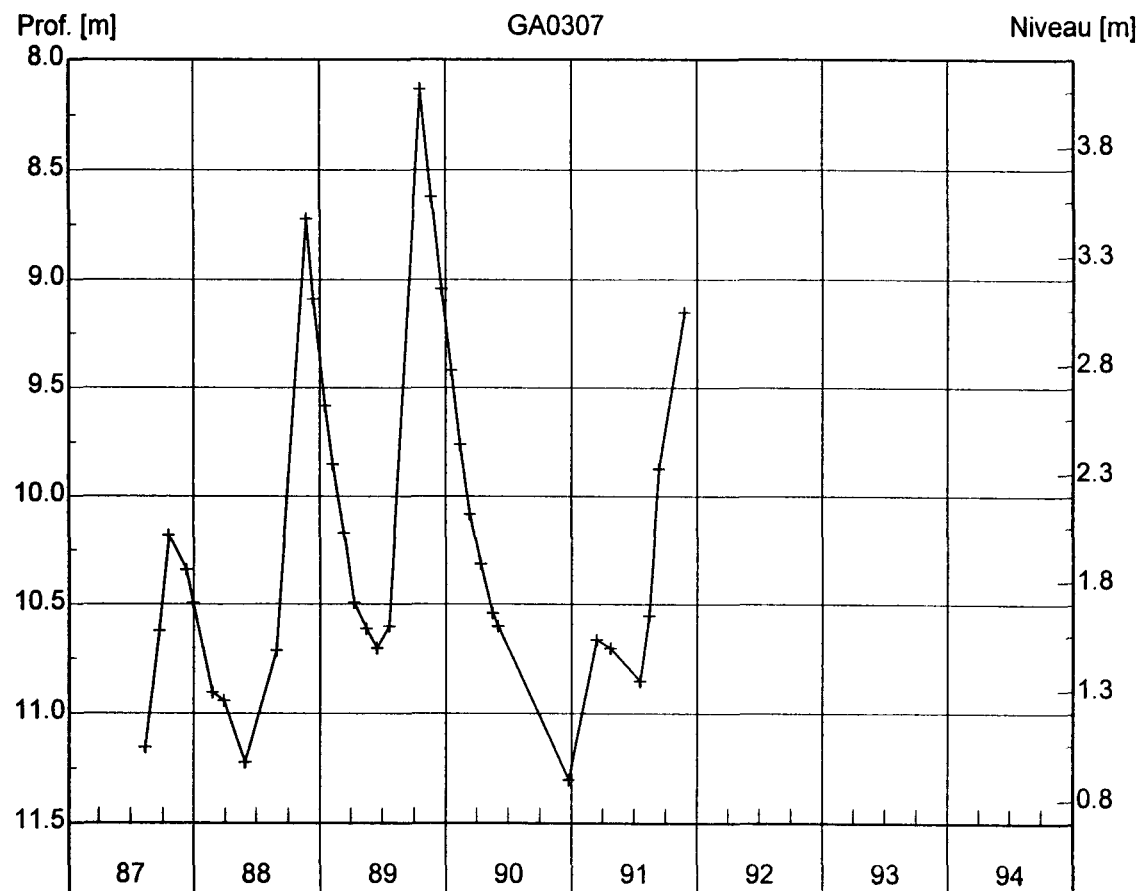


|                       |                    |
|-----------------------|--------------------|
| Prof<br>3826          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>400    |
| Unite Geol<br>EMI     | Unite Geom<br>N    |
| Limnim<br>12          | Dist Limn<br>0.200 |
| Pluviom<br>27         | Dist Pluv<br>5.100 |

| Date       | Niveau | Date       | Niveau | Date       | Niveau |
|------------|--------|------------|--------|------------|--------|
| 11 08 1987 | -0.30  | 16 06 1989 | 0.50   | 23 11 1991 | 0.04   |
| 21 08 1987 | -0.01  | 19 07 1989 | -0.41  |            |        |
| 18 10 1987 | -0.07  | 18 10 1989 | 0.33   |            |        |
| 8 12 1987  | -0.46  | 21 11 1989 | 0.18   |            |        |
| 29 12 1987 | -0.54  | 18 12 1989 | -0.04  |            |        |
| 23 02 1988 | -0.73  | 16 01 1990 | -0.19  |            |        |
| 28 03 1988 | -0.82  | 11 02 1990 | -0.24  |            |        |
| 29 05 1988 | -0.84  | 12 03 1990 | -0.34  |            |        |
| 27 08 1988 | -0.46  | 13 04 1990 | -0.38  |            |        |
| 23 10 1988 | 0.10   | 18 05 1990 | -0.51  |            |        |
| 22 11 1988 | -0.04  | 25 08 1990 | -0.10  |            |        |
| 13 12 1988 | -0.25  | 5 11 1990  | -0.15  |            |        |
| 16 01 1989 | -0.24  | 15 03 1991 | -0.54  |            |        |
| 8 02 1989  | -0.33  | 24 04 1991 | -0.35  |            |        |
| 13 03 1989 | -0.40  | 19 07 1991 | -0.30  |            |        |
| 11 04 1989 | -0.52  | 14 08 1991 | -0.25  |            |        |
| 14 05 1989 | -0.61  | 12 09 1991 | 0.15   |            |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                   |                    |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br><b>GA0307</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : KAEDI 1A |
| X<br>614.8                  | Y<br>1784.9 | Z<br>11.124     | Repère de mesure<br>12.144 |                   | Coupe C7           |

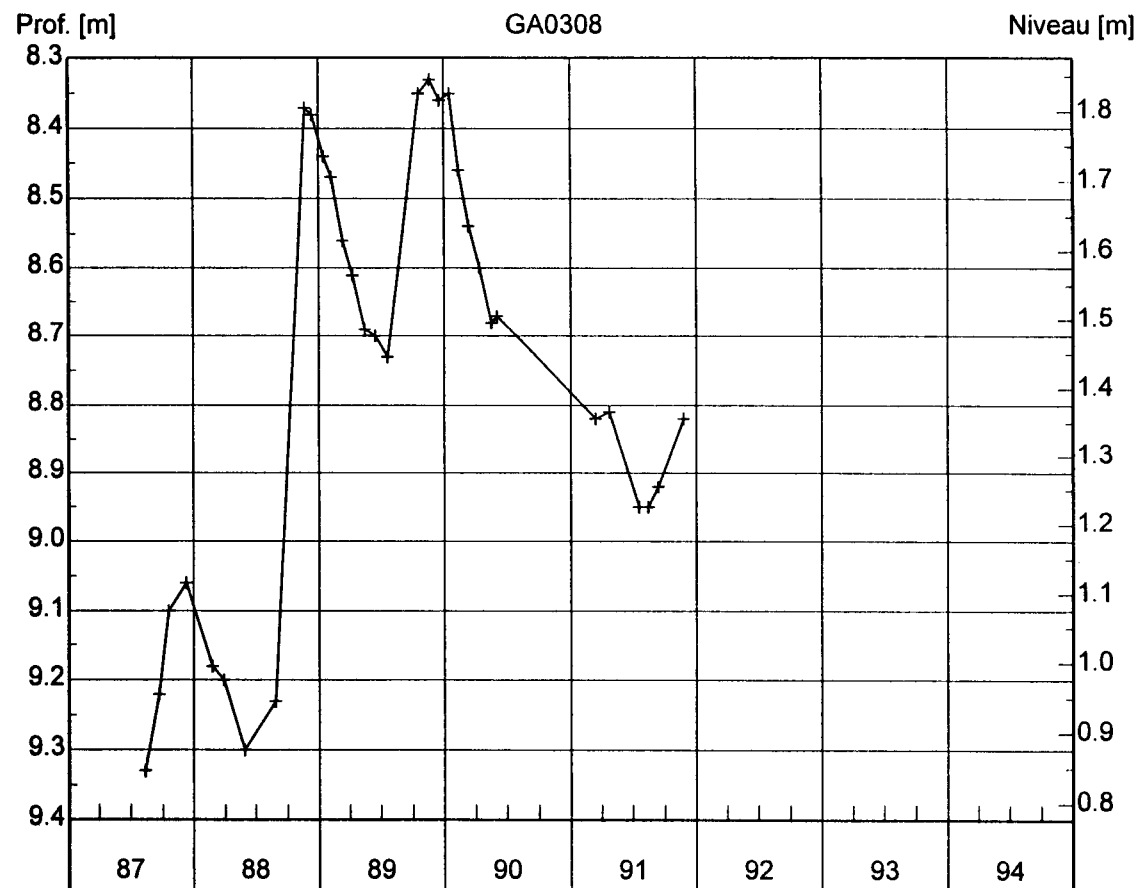


|                        |                    |
|------------------------|--------------------|
| Prof<br>1450           | Annee<br>1987      |
| Fleuve<br>MARIGOT DOUE | Dist eau<br>73     |
| Unite Geol<br>QT       | Unite Geom<br>M    |
| Limnim<br>12           | Dist Limn<br>0.100 |
| Pluviom<br>27          | Dist Pluv<br>4.800 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 11 08 1987 | 0.99   | 19 07 1989 | 1.54   |      |        |
| 21 09 1987 | 1.52   | 18 10 1989 | 4.01   |      |        |
| 18 10 1987 | 1.96   | 21 11 1989 | 3.52   |      |        |
| 8 12 1987  | 1.80   | 18 12 1989 | 3.10   |      |        |
| 29 12 1987 | 1.65   | 16 01 1990 | 2.72   |      |        |
| 23 02 1988 | 1.24   | 11 02 1990 | 2.38   |      |        |
| 28 03 1988 | 1.20   | 12 03 1990 | 2.06   |      |        |
| 29 05 1988 | 0.92   | 13 04 1990 | 1.83   |      |        |
| 27 08 1988 | 1.43   | 18 05 1990 | 1.60   |      |        |
| 22 11 1988 | 3.42   | 1 06 1990  | 1.54   |      |        |
| 13 12 1988 | 3.05   | 22 12 1990 | 0.84   |      |        |
| 16 01 1989 | 2.56   | 15 03 1991 | 1.48   |      |        |
| 8 02 1989  | 2.29   | 24 04 1991 | 1.44   |      |        |
| 13 03 1989 | 1.97   | 19 07 1991 | 1.29   |      |        |
| 11 04 1989 | 1.65   | 14 08 1991 | 1.59   |      |        |
| 14 05 1989 | 1.53   | 12 09 1991 | 2.27   |      |        |
| 16 06 1989 | 1.44   | 24 11 1991 | 2.99   |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                    |
|-----------------------------|-------------|-----------------|----------------------------|--------------------|
| Piézomètre<br><b>GA0308</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : KAEDI 1A |
| X<br>616.9                  | Y<br>1785.1 | Z<br>9.106      | Repère de mesure<br>10.176 | Coupe C7           |



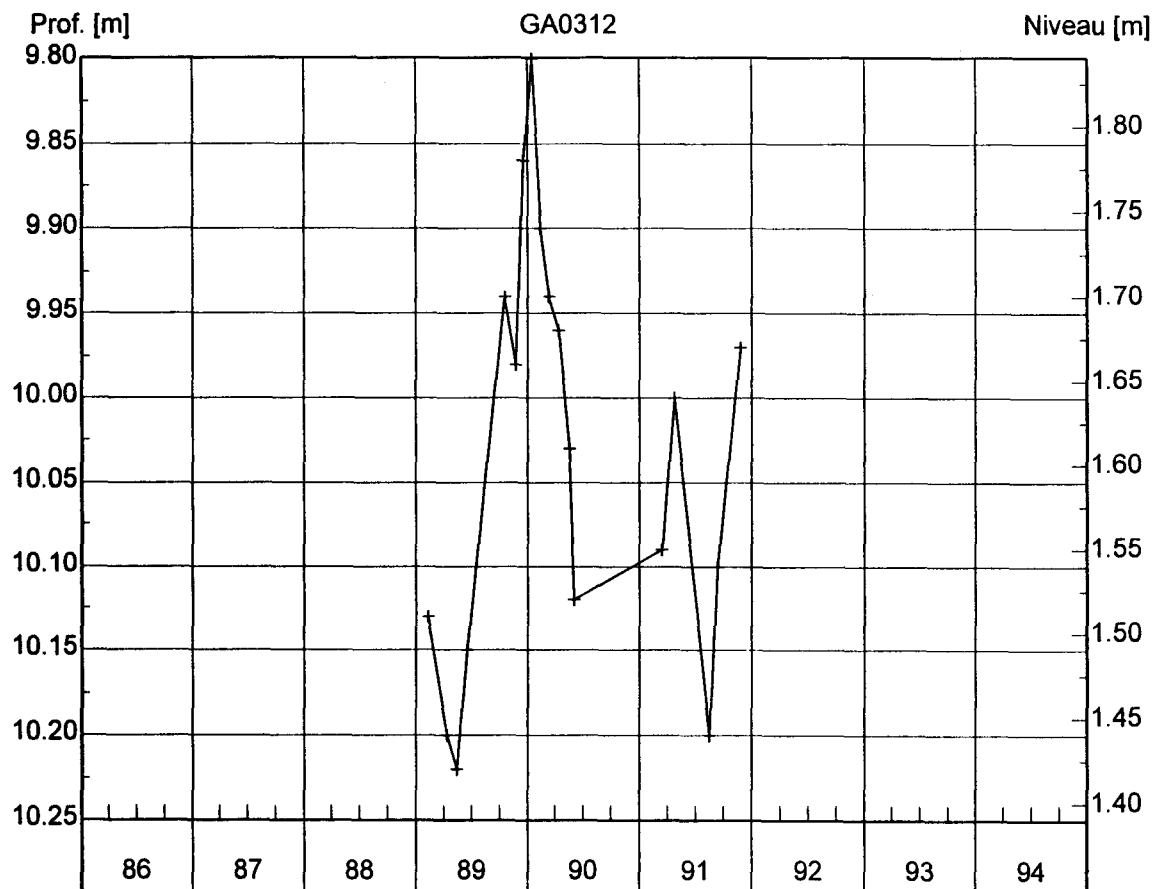
|                        |                    |
|------------------------|--------------------|
| Prof<br>1250           | Annee<br>1987      |
| Fleuve<br>MARIGOT DOUE | Dist eau<br>2300   |
| Unite Geol<br>QT       | Unite Geom<br>A    |
| Limnim<br>12           | Dist Limn<br>2.200 |
| Pluviom<br>27          | Dist Pluv<br>2.800 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 11 08 1987 | 0.85   | 18 10 1989 | 1.83   |      |        |
| 21 09 1987 | 0.96   | 21 11 1989 | 1.85   |      |        |
| 18 10 1987 | 1.08   | 18 12 1989 | 1.82   |      |        |
| 8 12 1987  | 1.12   | 16 01 1990 | 1.83   |      |        |
| 23 02 1988 | 1.00   | 11 02 1990 | 1.72   |      |        |
| 28 03 1988 | 0.98   | 12 03 1990 | 1.64   |      |        |
| 29 05 1988 | 0.88   | 13 04 1990 | 1.58   |      |        |
| 27 08 1988 | 0.95   | 18 05 1990 | 1.50   |      |        |
| 22 11 1988 | 1.81   | 1 06 1990  | 1.51   |      |        |
| 12 12 1988 | 1.80   | 15 03 1991 | 1.36   |      |        |
| 16 01 1989 | 1.74   | 24 04 1991 | 1.37   |      |        |
| 8 02 1989  | 1.71   | 19 07 1991 | 1.23   |      |        |
| 13 03 1989 | 1.62   | 14 08 1991 | 1.23   |      |        |
| 11 04 1989 | 1.57   | 12 09 1991 | 1.26   |      |        |
| 14 05 1989 | 1.49   | 24 11 1991 | 1.36   |      |        |
| 16 06 1989 | 1.48   |            |        |      |        |
| 19 07 1989 | 1.45   |            |        |      |        |



# VARIATION DU NIVEAU PIEZOMETRIQUE

|                             |             |                 |                            |                   |                    |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br><b>GA0312</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : KAEDI 1A |
| X<br>618.4                  | Y<br>1785.9 | Z<br>10.660     | Repère de mesure<br>11.640 |                   | Coupe C7           |

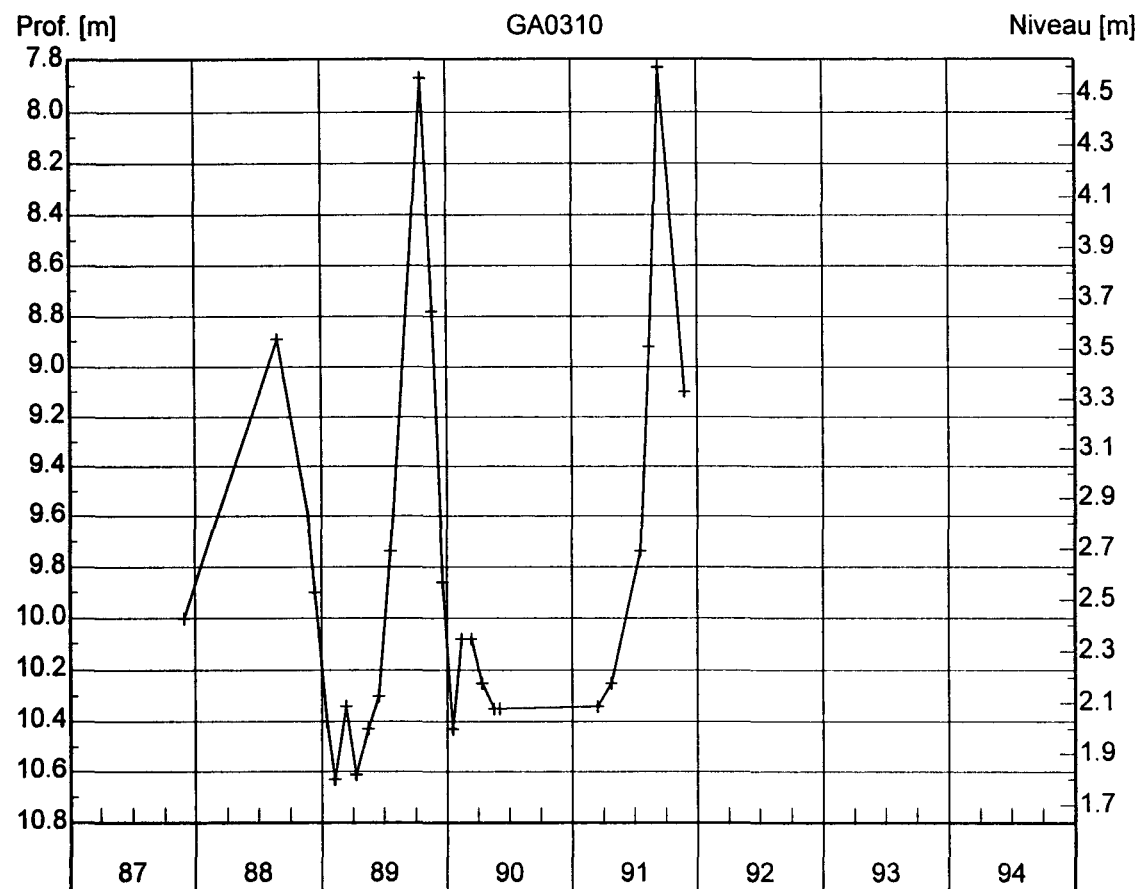


|                       |                    |
|-----------------------|--------------------|
| Prof<br>1455          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>1500   |
| Unite Geol<br>QT      | Unite Geom<br>N    |
| Limnim<br>13          | Dist Limn<br>2.000 |
| Pluviom<br>27         | Dist Pluv<br>1.400 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 8 02 1989  | 1.51   | 24 11 1991 | 1.67   |      |        |
| 11 04 1989 | 1.44   |            |        |      |        |
| 14 05 1989 | 1.42   |            |        |      |        |
| 16 06 1989 | 1.49   |            |        |      |        |
| 18 10 1989 | 1.70   |            |        |      |        |
| 21 11 1989 | 1.66   |            |        |      |        |
| 18 12 1989 | 1.78   |            |        |      |        |
| 16 01 1990 | 1.84   |            |        |      |        |
| 11 02 1990 | 1.74   |            |        |      |        |
| 12 03 1990 | 1.70   |            |        |      |        |
| 13 04 1990 | 1.68   |            |        |      |        |
| 18 05 1990 | 1.61   |            |        |      |        |
| 1 06 1990  | 1.52   |            |        |      |        |
| 15 03 1991 | 1.55   |            |        |      |        |
| 24 04 1991 | 1.64   |            |        |      |        |
| 14 08 1991 | 1.44   |            |        |      |        |
| 12 09 1991 | 1.54   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                   |                    |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br><b>GA0310</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : KAEDI 1A |
| X<br>619.7                  | Y<br>1786.5 | Z<br>11.409     | Repère de mesure<br>12.429 |                   | Coupe C7           |

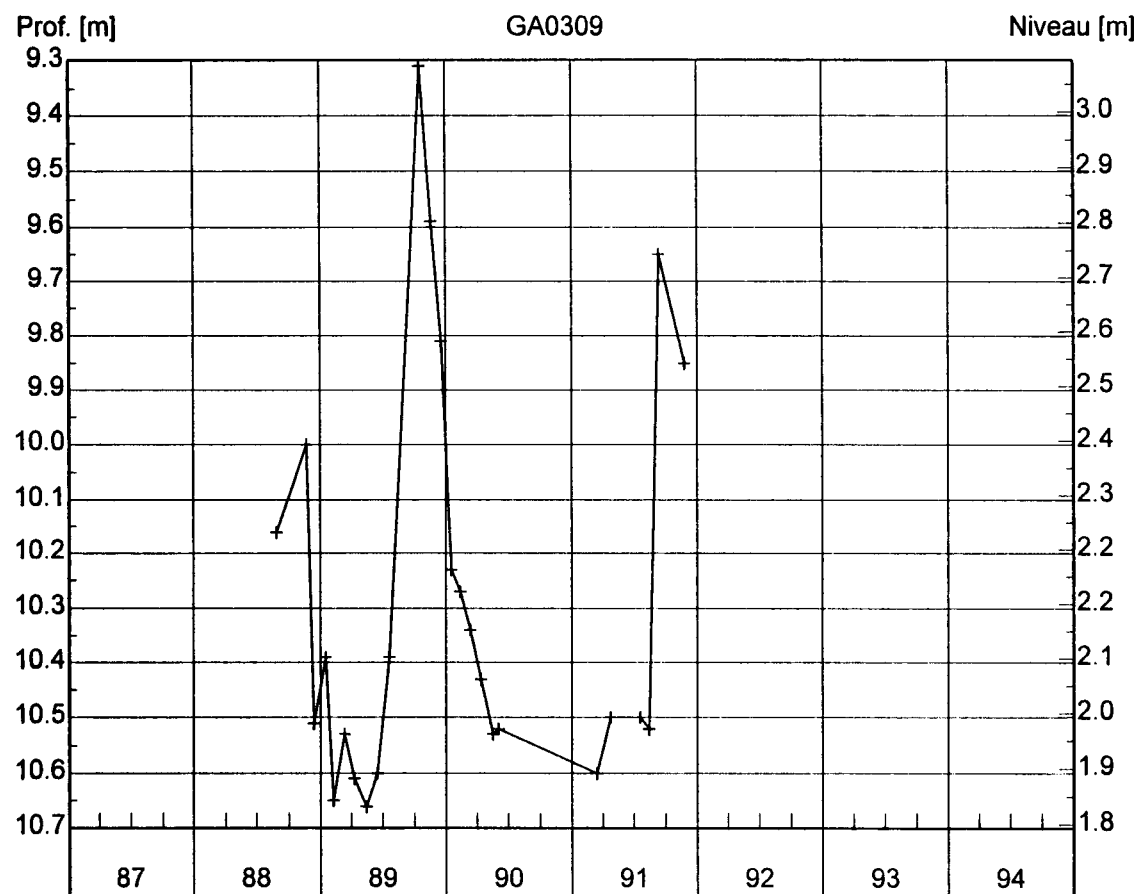


|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Prof<br>2460          |  | Annee<br>1987      |  |
| Fleuve<br>FL. SENEGAL |  | Dist eau<br>59     |  |
| Unite Geol<br>QT      |  | Unite Geom<br>M    |  |
| Limnim<br>13          |  | Dist Limn<br>0.800 |  |
| Pluviom<br>27         |  | Dist Pluv<br>0.900 |  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 28 11 1987 | 2.43   | 13 04 1990 | 2.18   |      |        |
| 27 08 1988 | 3.54   | 18 05 1990 | 2.08   |      |        |
| 22 11 1988 | 2.83   | 1 06 1990  | 2.08   |      |        |
| 13 12 1988 | 2.53   | 15 03 1991 | 2.09   |      |        |
| 16 01 1989 | 2.03   | 24 04 1991 | 2.18   |      |        |
| 8 02 1989  | 1.80   | 19 07 1991 | 2.69   |      |        |
| 13 03 1989 | 2.09   | 14 08 1991 | 3.51   |      |        |
| 11 04 1989 | 1.82   | 12 09 1991 | 4.60   |      |        |
| 14 05 1989 | 2.00   | 24 11 1991 | 3.33   |      |        |
| 16 06 1989 | 2.13   |            |        |      |        |
| 19 07 1989 | 2.69   |            |        |      |        |
| 18 10 1989 | 4.56   |            |        |      |        |
| 21 11 1989 | 3.65   |            |        |      |        |
| 18 12 1989 | 2.57   |            |        |      |        |
| 16 01 1990 | 2.00   |            |        |      |        |
| 11 02 1990 | 2.35   |            |        |      |        |
| 12 03 1990 | 2.35   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                   |                    |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br><b>GA0309</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : KAEDI 1A |
| X<br>619.7                  | Y<br>1786.5 | Z<br>11.442     | Repère de mesure<br>12.442 |                   | Coupe C7           |

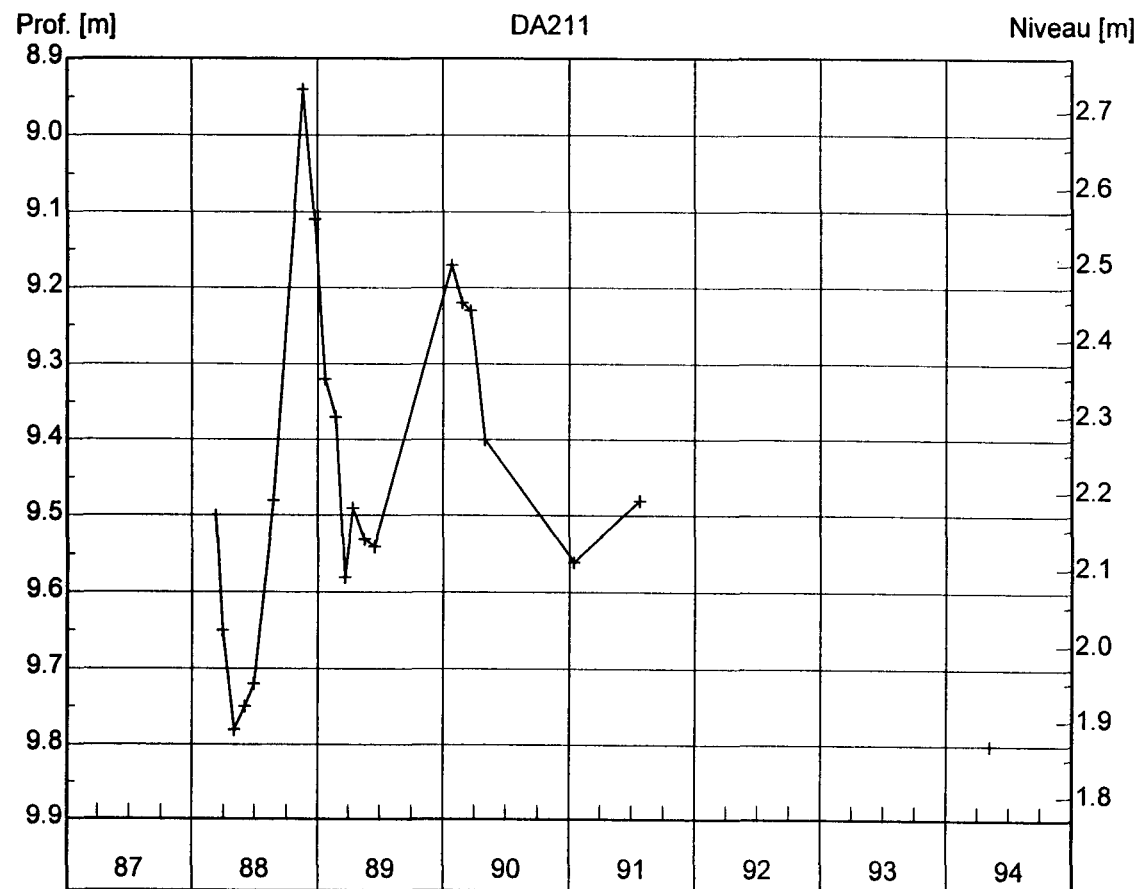


|                       |                    |
|-----------------------|--------------------|
| Prof<br>4910          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>57     |
| Unite Geol<br>EMI     | Unite Geom<br>M    |
| Limnim<br>13          | Dist Limn<br>0.800 |
| Pluviom<br>27         | Dist Pluv<br>0.900 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 27 08 1988 | 2.28   | 18 05 1990 | 1.91   |      |        |
| 22 11 1988 | 2.44   | 1 06 1990  | 1.92   |      |        |
| 13 12 1988 | 1.93   | 15 03 1991 | 1.84   |      |        |
| 16 01 1989 | 2.05   | 24 04 1991 | 1.94   |      |        |
| 8 02 1989  | 1.79   | 19 07 1991 | 1.94   |      |        |
| 13 03 1989 | 1.91   | 14 08 1991 | 1.92   |      |        |
| 11 04 1989 | 1.83   | 12 09 1991 | 2.79   |      |        |
| 14 05 1989 | 1.78   | 24 11 1991 | 2.59   |      |        |
| 16 06 1989 | 1.84   |            |        |      |        |
| 19 07 1989 | 2.05   |            |        |      |        |
| 18 10 1989 | 3.13   |            |        |      |        |
| 21 11 1989 | 2.85   |            |        |      |        |
| 18 12 1989 | 2.63   |            |        |      |        |
| 16 01 1990 | 2.21   |            |        |      |        |
| 11 02 1990 | 2.17   |            |        |      |        |
| 12 03 1990 | 2.10   |            |        |      |        |
| 13 04 1990 | 2.01   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                    |
|----------------------------|-------------|--------------------|----------------------------|--------------------|
| Piézomètre<br><b>DA211</b> |             | Pays<br>Mauritanie | Communauté rurale          | Feuille : KAEDI 1A |
| X<br>619.4                 | Y<br>1791.3 | Z<br>10.679        | Repère de mesure<br>11.669 | Coupe C7           |

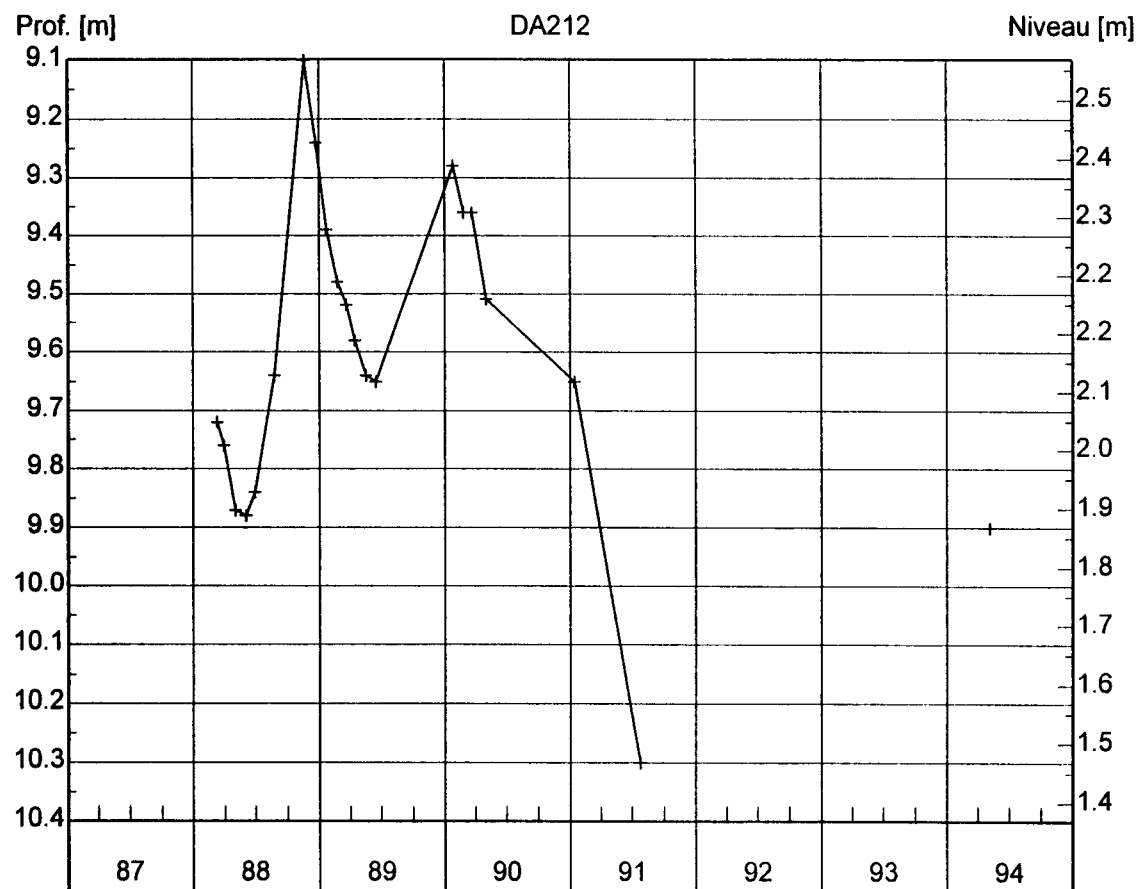


|                       |                    |
|-----------------------|--------------------|
| Prof<br>4950          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>100    |
| Unite Geol<br>QT      | Unite Geom<br>N    |
| Limnim<br>13          | Dist Limn<br>3.600 |
| Pluviom<br>27         | Dist Pluv<br>3.700 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 9 03 1988  | 2.17   | 3 05 1990  | 2.27   |      |        |
| 30 03 1988 | 2.02   | 14 01 1991 | 2.11   |      |        |
| 2 05 1988  | 1.89   | 25 07 1991 | 2.19   |      |        |
| 2 06 1988  | 1.92   | 5 05 1994  | 1.87   |      |        |
| 28 06 1988 | 1.95   |            |        |      |        |
| 23 08 1988 | 2.19   |            |        |      |        |
| 17 11 1988 | 2.73   |            |        |      |        |
| 24 12 1988 | 2.56   |            |        |      |        |
| 22 01 1989 | 2.35   |            |        |      |        |
| 22 02 1989 | 2.30   |            |        |      |        |
| 21 03 1989 | 2.09   |            |        |      |        |
| 14 04 1989 | 2.18   |            |        |      |        |
| 17 05 1989 | 2.14   |            |        |      |        |
| 15 06 1989 | 2.13   |            |        |      |        |
| 26 01 1990 | 2.50   |            |        |      |        |
| 26 02 1990 | 2.45   |            |        |      |        |
| 22 03 1990 | 2.44   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                    |
|----------------------------|-------------|--------------------|----------------------------|--------------------|
| Piézomètre<br><b>DA212</b> |             | Pays<br>Mauritanie | Communauté rurale          | Feuille : KAEDI 1A |
| X<br>619.4                 | Y<br>1791.3 | Z<br>10.698        | Repère de mesure<br>11.718 | Coupe C7           |

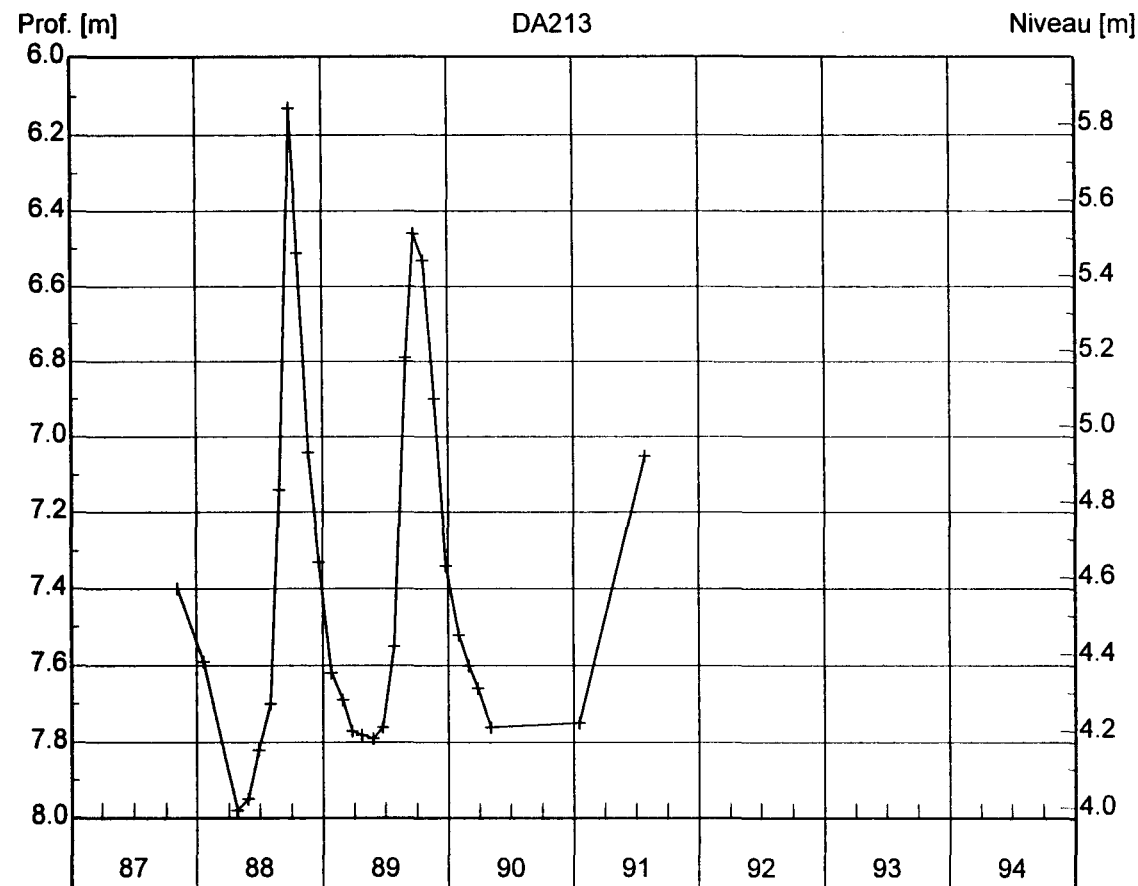


|                       |                    |
|-----------------------|--------------------|
| Prof<br>1750          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>100    |
| Unite Geol<br>QT      | Unite Geom<br>N    |
| Limnim<br>13          | Dist Limn<br>3.600 |
| Pluviom<br>27         | Dist Pluv<br>3.700 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 9 03 1988  | 2.00   | 3 05 1990  | 2.21   |      |        |
| 30 03 1988 | 1.96   | 14 01 1991 | 2.07   |      |        |
| 2 05 1988  | 1.85   | 25 07 1991 | 1.42   |      |        |
| 2 06 1988  | 1.84   | 5 05 1994  | 1.82   |      |        |
| 28 06 1988 | 1.88   |            |        |      |        |
| 23 08 1988 | 2.08   |            |        |      |        |
| 17 11 1988 | 2.62   |            |        |      |        |
| 24 12 1988 | 2.48   |            |        |      |        |
| 22 01 1989 | 2.33   |            |        |      |        |
| 22 02 1989 | 2.24   |            |        |      |        |
| 21 03 1989 | 2.20   |            |        |      |        |
| 14 04 1989 | 2.14   |            |        |      |        |
| 17 05 1989 | 2.08   |            |        |      |        |
| 15 06 1989 | 2.07   |            |        |      |        |
| 26 01 1990 | 2.44   |            |        |      |        |
| 26 02 1990 | 2.36   |            |        |      |        |
| 22 03 1990 | 2.36   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                   |                    |
|----------------------------|-------------|--------------------|----------------------------|-------------------|--------------------|
| Piézomètre<br><b>DA213</b> |             | Pays<br>Mauritanie |                            | Communauté rurale | Feuille : KAEDI 1A |
| X<br>619.4                 | Y<br>1791.3 | Z<br>10.961        | Repère de mesure<br>11.971 |                   | Coupe C7           |

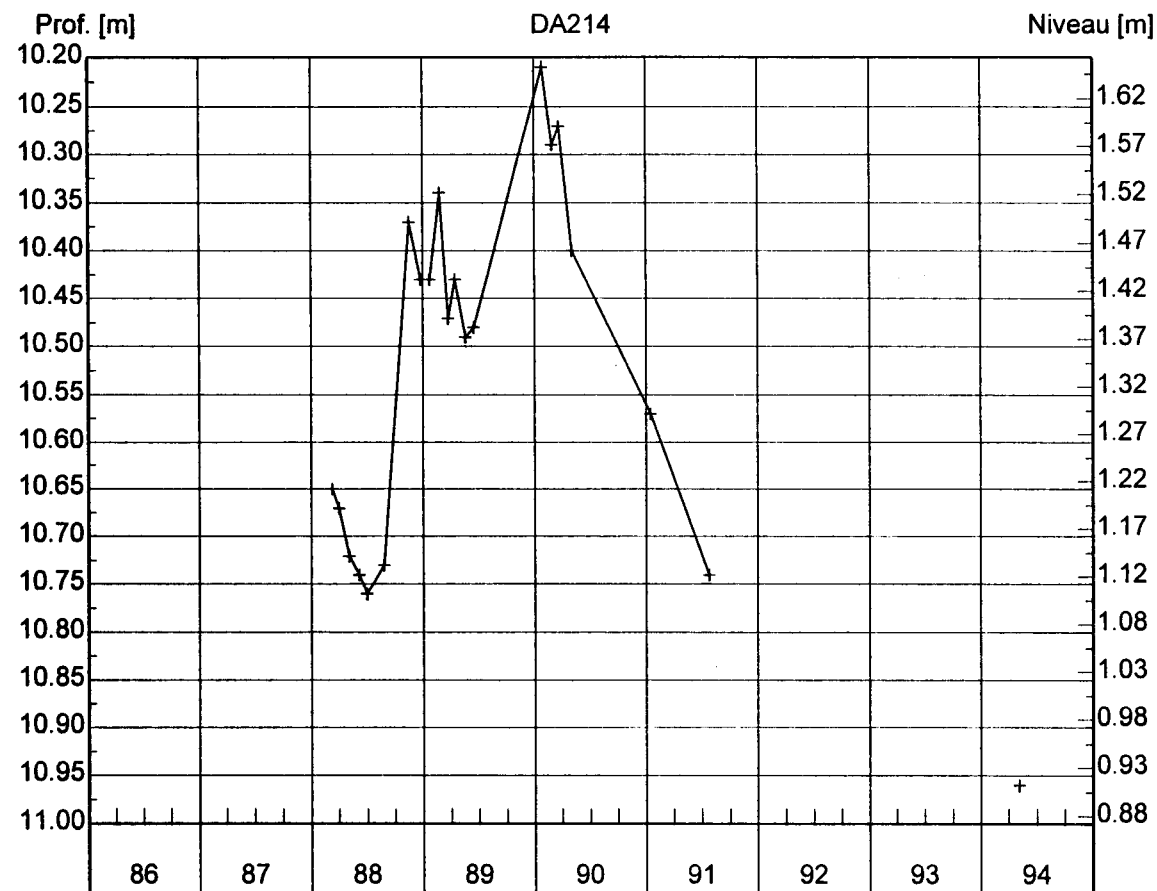


|                       |                    |
|-----------------------|--------------------|
| Prof<br>1950          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>100    |
| Unite Geol<br>QT      | Unite Geom<br>N    |
| Limnim<br>13          | Dist Limn<br>3.600 |
| Pluviom<br>27         | Dist Pluv<br>3.700 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 5 11 1987  | 4.57   | 26 07 1989 | 4.42   |      |        |
| 19 01 1988 | 4.38   | 30 08 1989 | 5.18   |      |        |
| 24 04 1988 | 3.99   | 24 09 1989 | 5.51   |      |        |
| 27 05 1988 | 4.02   | 22 10 1989 | 5.44   |      |        |
| 26 06 1988 | 4.15   | 23 11 1989 | 5.07   |      |        |
| 31 07 1988 | 4.27   | 26 12 1989 | 4.63   |      |        |
| 27 08 1988 | 4.83   | 1 02 1990  | 4.45   |      |        |
| 29 09 1988 | 5.84   | 1 03 1990  | 4.37   |      |        |
| 21 10 1988 | 5.46   | 28 03 1990 | 4.31   |      |        |
| 20 11 1988 | 4.93   | 5 05 1990  | 4.21   |      |        |
| 21 12 1988 | 4.64   | 16 01 1991 | 4.22   |      |        |
| 25 01 1989 | 4.35   | 26 07 1991 | 4.92   |      |        |
| 26 02 1989 | 4.28   |            |        |      |        |
| 25 03 1989 | 4.20   |            |        |      |        |
| 23 04 1989 | 4.19   |            |        |      |        |
| 25 05 1989 | 4.18   |            |        |      |        |
| 24 06 1989 | 4.21   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                     |             |                    |                            |                   |                    |
|---------------------|-------------|--------------------|----------------------------|-------------------|--------------------|
| Piézomètre<br>DA214 |             | Pays<br>Mauritanie |                            | Communauté rurale | Feuille : KAEDI 1A |
| X<br>620.6          | Y<br>1792.6 | Z<br>11.067        | Repère de mesure<br>11.867 | Coupe C7          |                    |

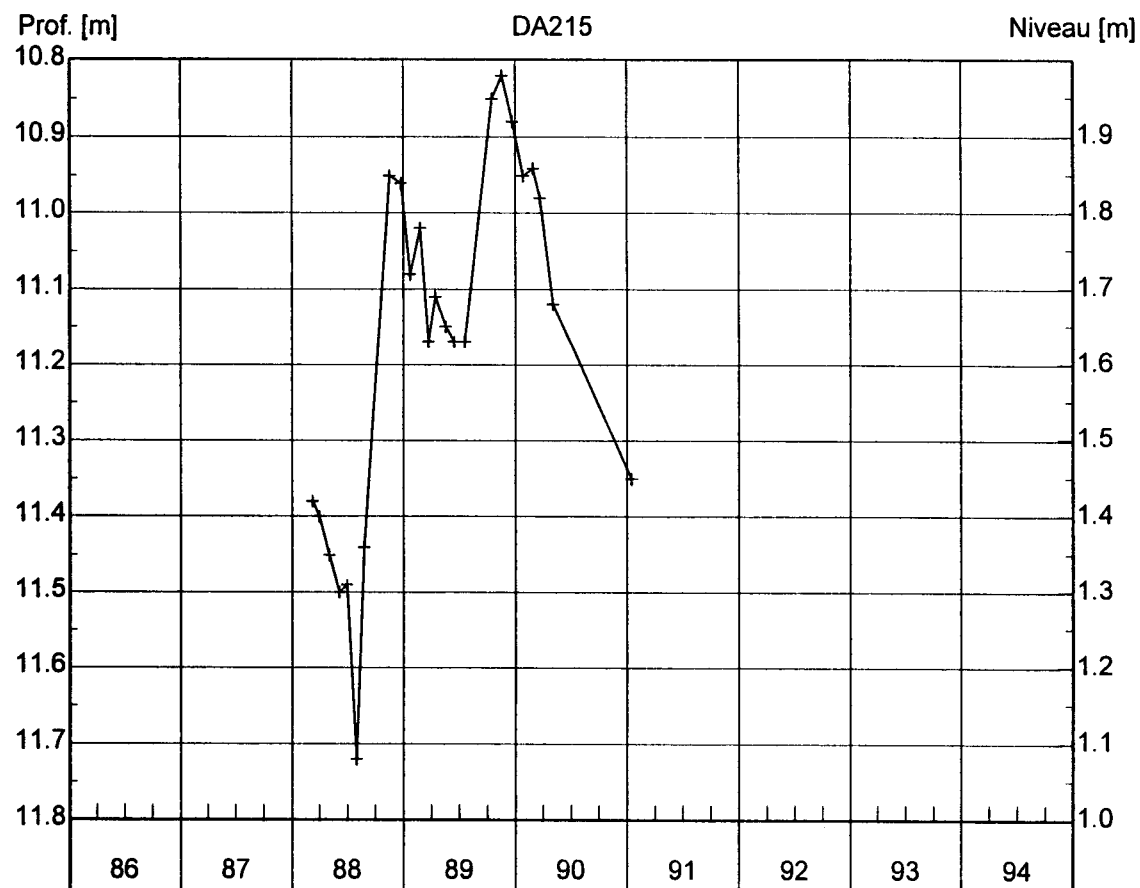


|                              |                           |
|------------------------------|---------------------------|
| <b>Prof</b><br>1650          | <b>Annee</b><br>1987      |
| <b>Fleuve</b><br>FL. SENEGAL | <b>Dist eau</b><br>1700   |
| <b>Unite Geol</b><br>QT      | <b>Unite Geom</b><br>M    |
| <b>Limnim</b><br>13          | <b>Dist Limn</b><br>4.800 |
| <b>Pluviom</b><br>27         | <b>Dist Pluv</b><br>5.200 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 9 03 1988  | 1.22   | 3 05 1990  | 1.47   |      |        |
| 30 03 1988 | 1.20   | 14 01 1991 | 1.30   |      |        |
| 2 05 1988  | 1.15   | 25 07 1991 | 1.13   |      |        |
| 2 06 1988  | 1.13   | 5 05 1994  | 0.91   |      |        |
| 28 06 1988 | 1.11   |            |        |      |        |
| 23 08 1988 | 1.14   |            |        |      |        |
| 17 11 1988 | 1.50   |            |        |      |        |
| 24 12 1988 | 1.44   |            |        |      |        |
| 22 01 1989 | 1.44   |            |        |      |        |
| 22 02 1989 | 1.53   |            |        |      |        |
| 21 03 1989 | 1.40   |            |        |      |        |
| 14 04 1989 | 1.44   |            |        |      |        |
| 17 05 1989 | 1.38   |            |        |      |        |
| 15 06 1989 | 1.39   |            |        |      |        |
| 26 01 1990 | 1.66   |            |        |      |        |
| 26 02 1990 | 1.58   |            |        |      |        |
| 22 03 1990 | 1.60   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                     |             |                    |                            |                   |                    |
|---------------------|-------------|--------------------|----------------------------|-------------------|--------------------|
| Piézomètre<br>DA215 |             | Pays<br>Mauritanie |                            | Communauté rurale | Feuille : KAEDI 1A |
| X<br>621.9          | Y<br>1794.0 | Z<br>11.719        | Repère de mesure<br>12.749 |                   |                    |
| Coupe C7            |             |                    |                            |                   |                    |



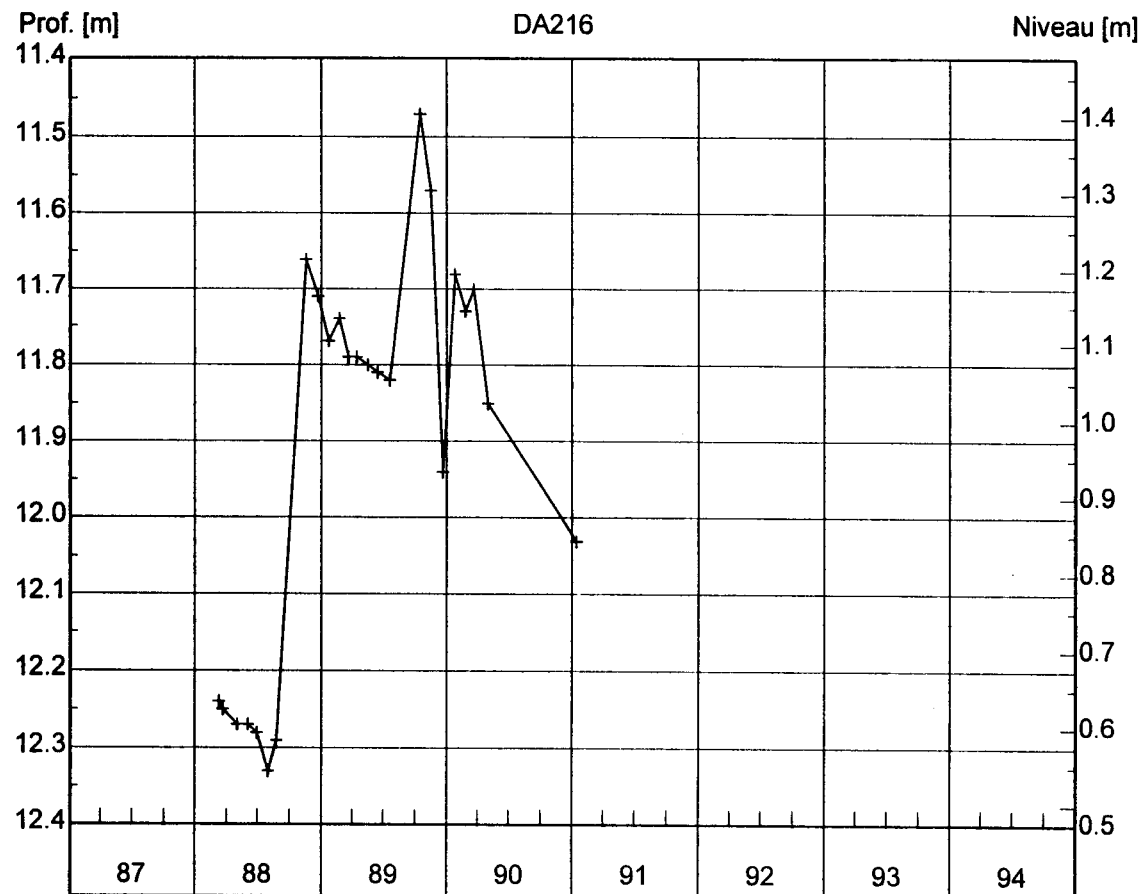
|                       |                    |
|-----------------------|--------------------|
| Prof<br>3830          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>4500   |
| Unite Geol<br>EMI     | Unite Geom<br>N    |
| Limnim<br>13          | Dist Limn<br>7.300 |
| Pluviom<br>27         | Dist Pluv<br>7.800 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 9 03 1988  | 1.37   | 16 11 1989 | 1.93   |      |        |
| 30 03 1988 | 1.35   | 21 12 1989 | 1.87   |      |        |
| 2 05 1988  | 1.30   | 26 01 1990 | 1.80   |      |        |
| 2 06 1988  | 1.25   | 26 02 1990 | 1.81   |      |        |
| 28 06 1988 | 1.26   | 22 03 1990 | 1.77   |      |        |
| 30 07 1988 | 1.03   | 3 05 1990  | 1.63   |      |        |
| 23 08 1988 | 1.31   | 14 01 1991 | 1.40   |      |        |
| 17 11 1988 | 1.80   |            |        |      |        |
| 24 12 1988 | 1.79   |            |        |      |        |
| 22 01 1989 | 1.67   |            |        |      |        |
| 22 02 1989 | 1.73   |            |        |      |        |
| 21 03 1989 | 1.58   |            |        |      |        |
| 14 04 1989 | 1.64   |            |        |      |        |
| 17 05 1989 | 1.60   |            |        |      |        |
| 15 06 1989 | 1.58   |            |        |      |        |
| 19 07 1989 | 1.58   |            |        |      |        |
| 16 10 1989 | 1.90   |            |        |      |        |



## VARIATION DU NIVEAU PIEZOMETRIQUE

|                            |             |                    |                            |                           |
|----------------------------|-------------|--------------------|----------------------------|---------------------------|
| Piézomètre<br><b>DA216</b> |             | Pays<br>Mauritanie | Communauté rurale          | <b>Feuille : KAEDI 1A</b> |
| X<br>621.9                 | Y<br>1794.0 | Z<br>11.805        | Repère de mesure<br>12.825 | Coupe C7                  |

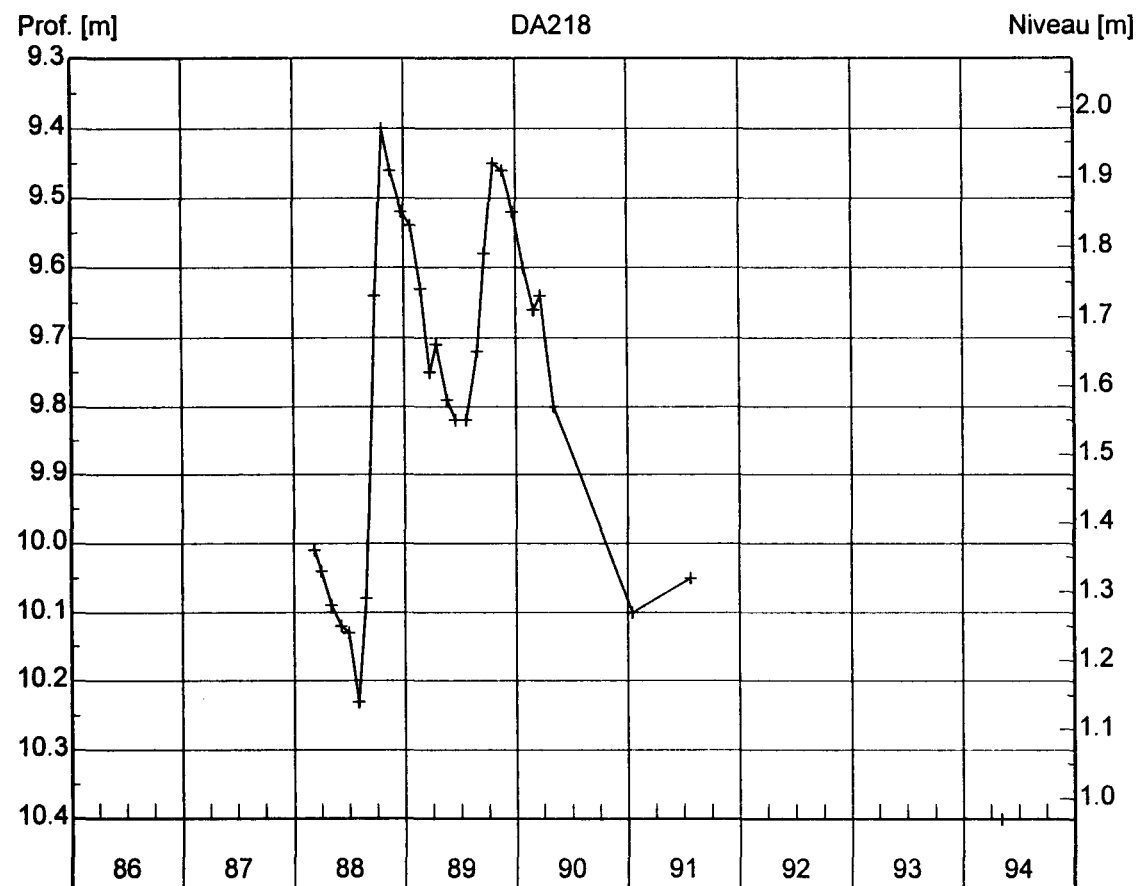


|                               |                           |
|-------------------------------|---------------------------|
| <b>Prof</b><br>1650           | <b>Annee</b><br>1987      |
| <b>Fleuve</b><br>FL . SENEGAL | <b>Dist eau</b><br>4500   |
| <b>Unite Geol</b><br>EMI      | <b>Unite Geom</b><br>N    |
| <b>Limnim</b><br>13           | <b>Dist Limn</b><br>7.300 |
| <b>Pluviom</b><br>27          | <b>Dist Pluv</b><br>7.800 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 9 03 1988  | 0.59   | 16 11 1989 | 1.26   |      |        |
| 20 03 1988 | 0.57   | 21 12 1989 | 0.89   |      |        |
| 2 05 1988  | 0.55   | 26 01 1990 | 1.14   |      |        |
| 2 06 1988  | 0.55   | 26 02 1990 | 1.10   |      |        |
| 28 06 1988 | 0.55   | 22 03 1990 | 1.13   |      |        |
| 30 07 1988 | 0.49   | 3 05 1990  | 0.97   |      |        |
| 23 08 1988 | 0.53   | 14 01 1991 | 0.80   |      |        |
| 17 11 1988 | 1.16   |            |        |      |        |
| 24 12 1988 | 1.11   |            |        |      |        |
| 22 01 1989 | 1.05   |            |        |      |        |
| 22 02 1989 | 1.09   |            |        |      |        |
| 21 03 1989 | 1.03   |            |        |      |        |
| 14 04 1989 | 1.03   |            |        |      |        |
| 17 05 1989 | 1.02   |            |        |      |        |
| 15 06 1989 | 1.01   |            |        |      |        |
| 19 07 1989 | 1.01   |            |        |      |        |
| 16 10 1989 | 1.35   |            |        |      |        |

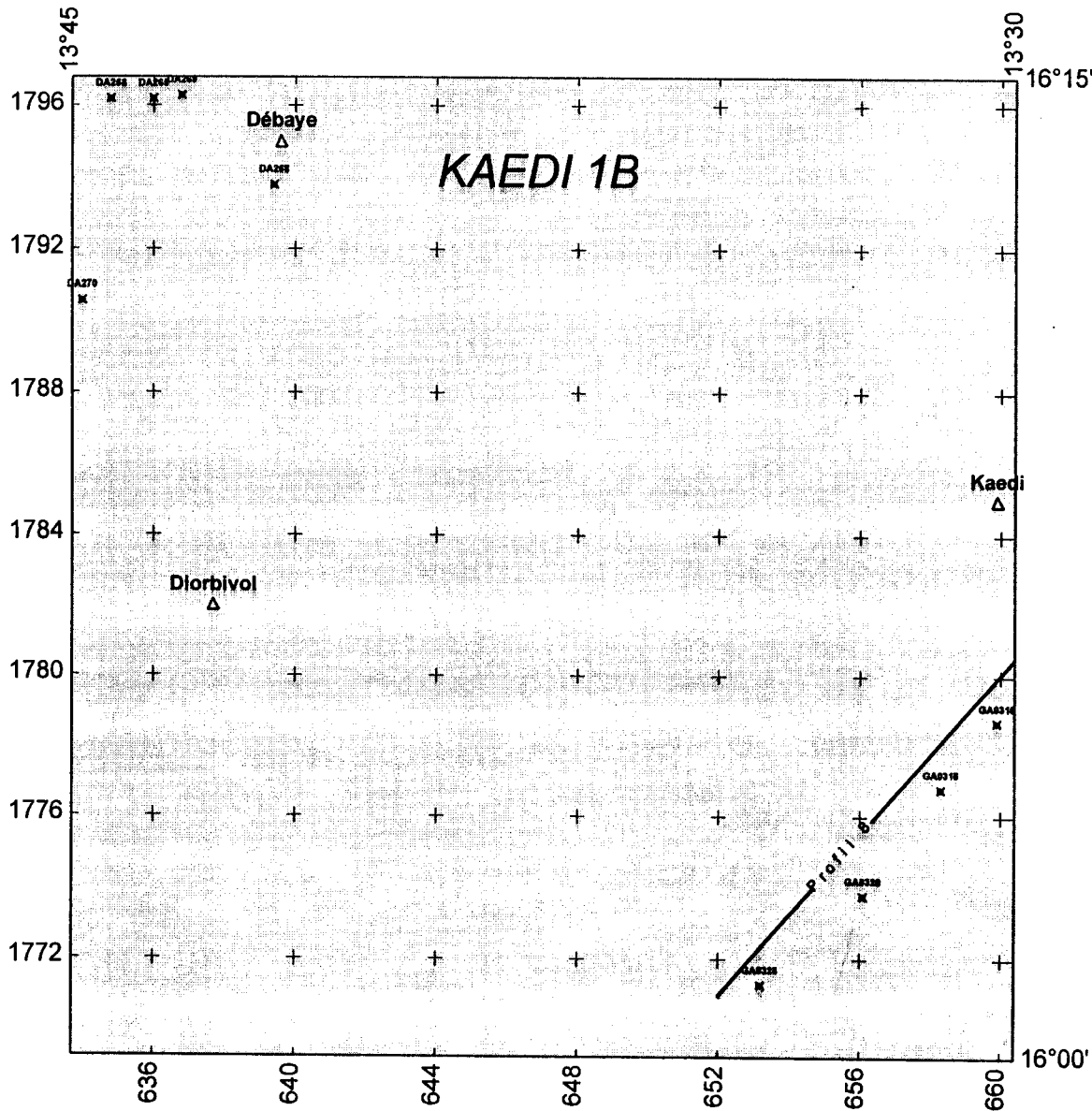
# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                     |             |                    |                            |                   |                    |
|---------------------|-------------|--------------------|----------------------------|-------------------|--------------------|
| Piézomètre<br>DA218 |             | Pays<br>Mauritanie |                            | Communauté rurale | Feuille : KAEDI 1A |
| X<br>622.6          | Y<br>1794.7 | Z<br>10.300        | Repère de mesure<br>11.370 |                   |                    |
| Coupe C7            |             |                    |                            |                   |                    |

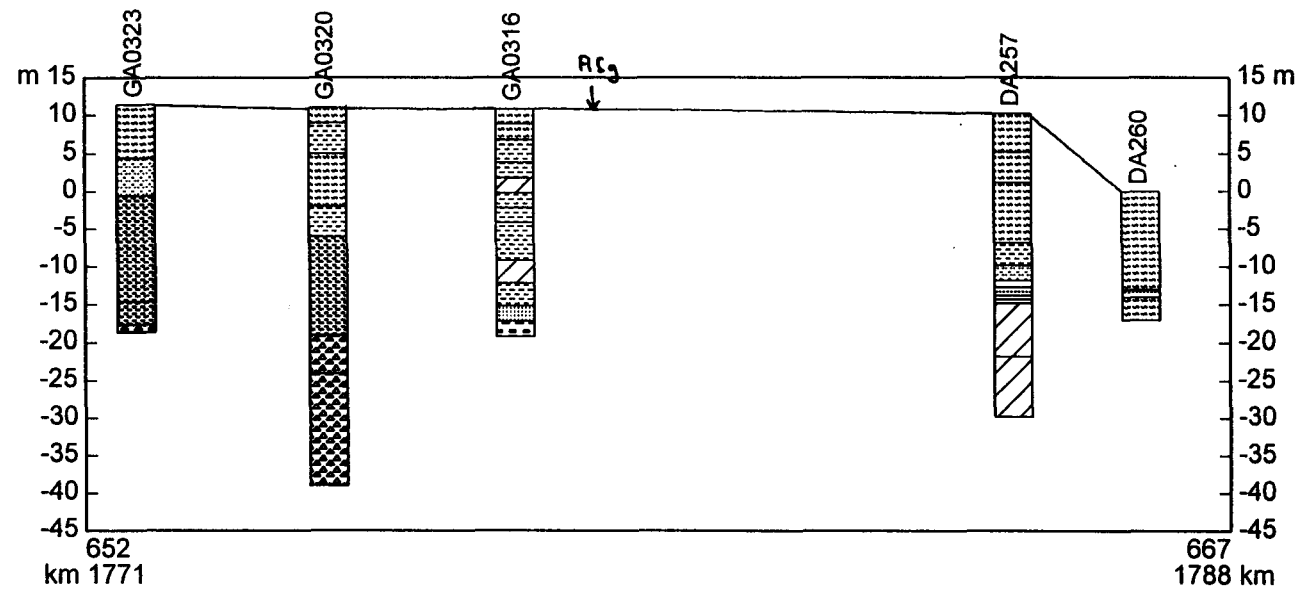


|                       |                    |
|-----------------------|--------------------|
| Prof<br>2950          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>3500   |
| Unite Geol<br>EMI     | Unite Geom<br>0    |
| Limnim<br>13          | Dist Limn<br>6.500 |
| Pluviom<br>27         | Dist Pluv<br>7.000 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 9 03 1988  | 1.36   | 19 07 1989 | 1.55   |      |        |
| 30 03 1988 | 1.33   | 26 08 1989 | 1.65   |      |        |
| 2 05 1988  | 1.28   | 18 09 1989 | 1.79   |      |        |
| 2 06 1988  | 1.25   | 18 10 1989 | 1.92   |      |        |
| 28 06 1988 | 1.24   | 16 11 1989 | 1.91   |      |        |
| 29 07 1988 | 1.14   | 21 12 1989 | 1.85   |      |        |
| 23 08 1988 | 1.29   | 26 01 1990 | 1.77   |      |        |
| 25 09 1988 | 1.73   | 26 02 1990 | 1.71   |      |        |
| 20 10 1988 | 1.97   | 22 03 1990 | 1.73   |      |        |
| 17 11 1988 | 1.91   | 3 05 1990  | 1.57   |      |        |
| 24 12 1988 | 1.85   | 14 01 1991 | 1.27   |      |        |
| 22 01 1989 | 1.83   | 25 07 1991 | 1.32   |      |        |
| 22 02 1989 | 1.74   | 5 05 1994  | 0.97   |      |        |
| 21 03 1989 | 1.62   |            |        |      |        |
| 14 04 1989 | 1.66   |            |        |      |        |
| 17 05 1989 | 1.58   |            |        |      |        |
| 15 06 1989 | 1.55   |            |        |      |        |



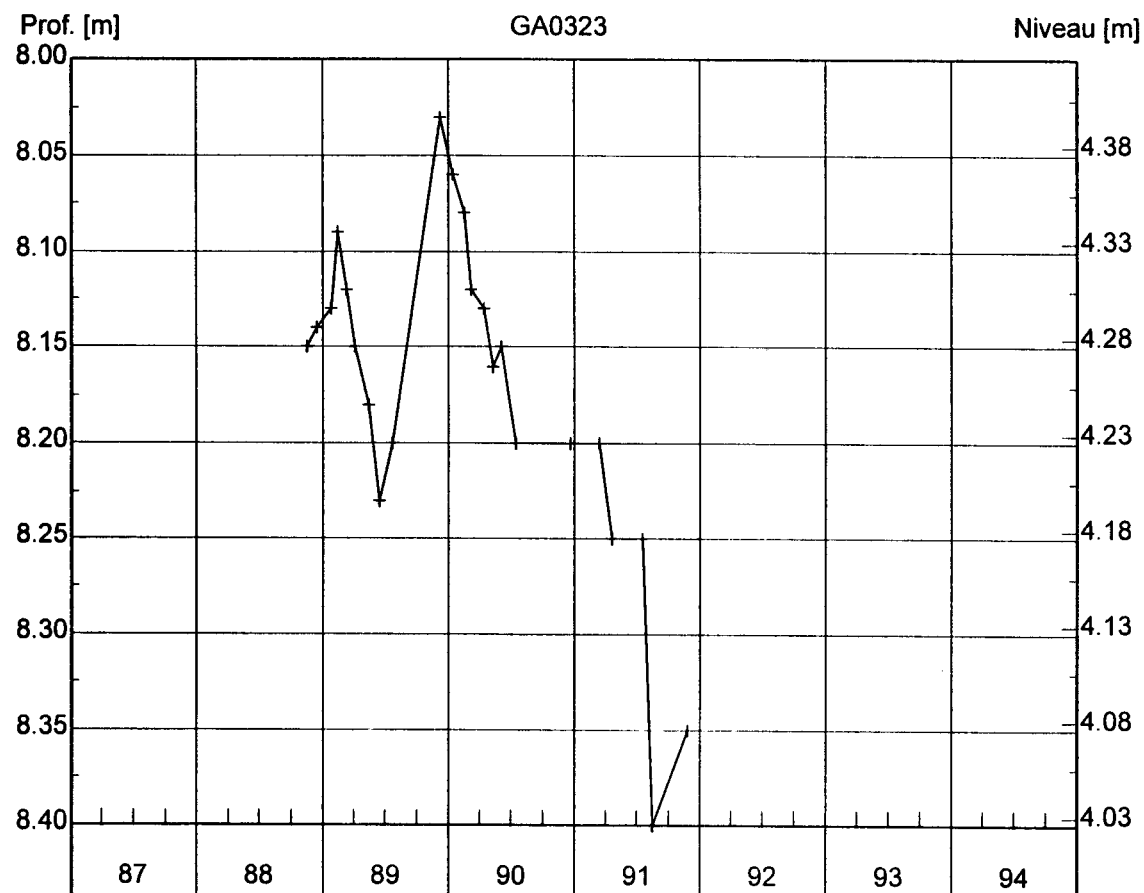
# **PROFIL LITHO-STRATIGRAPHIQUE C8 - KAEDI 1B -2A**



| idouv  | mtux  | mtuy   | z      | elrepign | profouv | geolid | geomid | lgcrep | profhcre | descstrat  |
|--------|-------|--------|--------|----------|---------|--------|--------|--------|----------|------------|
| DA257  | 663.9 | 1785   | 10.255 | 11.255   | 3130    | EC     | O      | 100    | 2980     | ARGILE     |
| DA260  | 664.9 | 1787.5 | 0      | 0        | 1480    | EC     | A      | 100    | 1330     | SABLE FIN  |
| GA0316 | 658.3 | 1776.8 | 10.871 | 11.871   | 2945    | EC     | A      | 100    | 2795     | SABLE MOY  |
| GA0320 | 656.1 | 1773.8 | 11.036 | 12.036   | 4950    | EMI    | A      | 100    | 4750     | CALCAIRE   |
| GA0323 | 653.2 | 1771.3 | 11.421 | 12.421   | 2955    | EMI    | N      | 100    | 2805     | SABLE GROS |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                    |
|-----------------------------|-------------|-----------------|----------------------------|--------------------|
| Piézomètre<br><b>GA0323</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : KAEDI 1B |
| X<br>653.2                  | Y<br>1771.3 | Z<br>11.421     | Repère de mesure<br>12.421 | Coupe C8           |

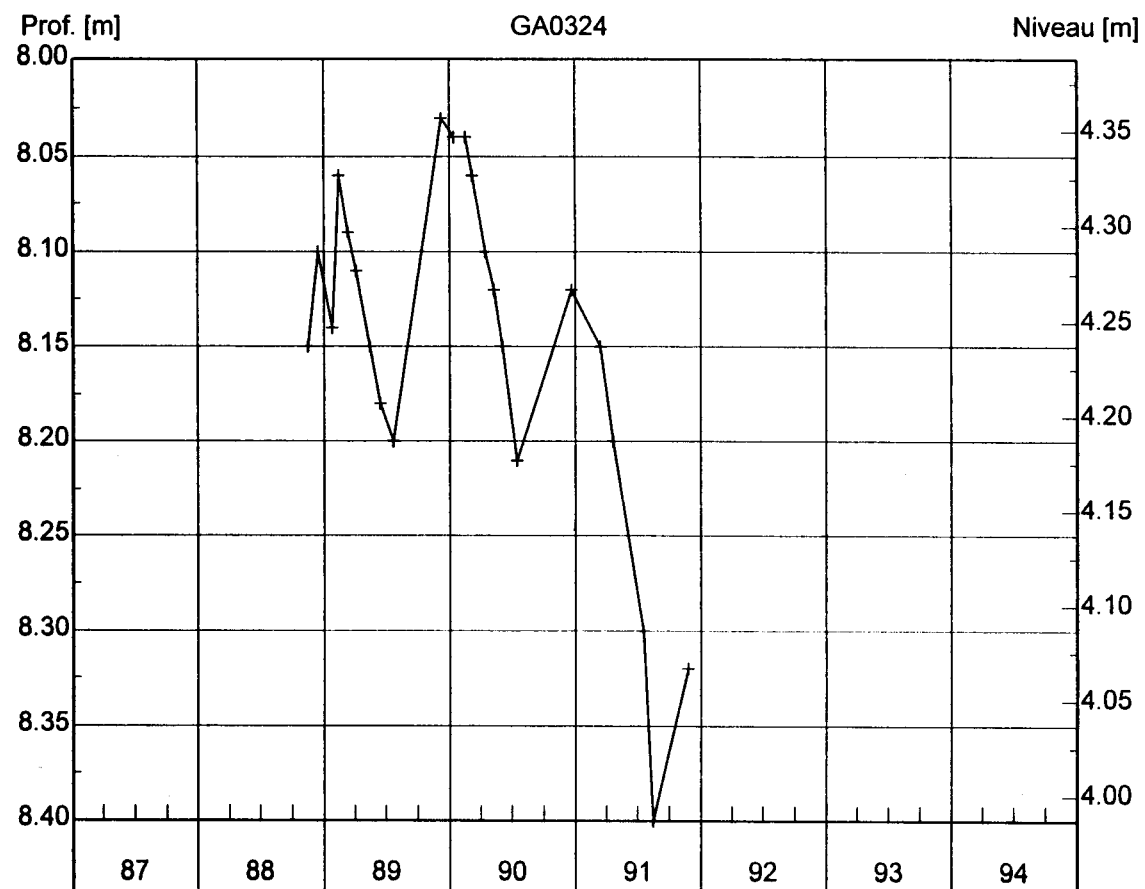


|                        |                     |
|------------------------|---------------------|
| Prof<br>2955           | Annee<br>1987       |
| Fleuve<br>FL . SENEGAL | Dist eau<br>9900    |
| Unite Geol<br>EMI      | Unite Geom<br>N     |
| Limnim<br>14           | Dist Limn<br>14.800 |
| Pluviom<br>23          | Dist Pluv<br>16.500 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 15 11 1988 | 4.27   | 22 12 1990 | 4.22   |      |        |
| 14 12 1988 | 4.28   | 15 03 1991 | 4.22   |      |        |
| 26 01 1989 | 4.29   | 22 04 1991 | 4.17   |      |        |
| 14 02 1989 | 4.33   | 18 07 1991 | 4.17   |      |        |
| 12 03 1989 | 4.30   | 15 08 1991 | 4.02   |      |        |
| 6 04 1989  | 4.27   | 24 11 1991 | 4.07   |      |        |
| 15 05 1989 | 4.24   |            |        |      |        |
| 14 06 1989 | 4.19   |            |        |      |        |
| 22 07 1989 | 4.22   |            |        |      |        |
| 8 12 1989  | 4.39   |            |        |      |        |
| 13 01 1990 | 4.36   |            |        |      |        |
| 17 02 1990 | 4.34   |            |        |      |        |
| 9 03 1990  | 4.30   |            |        |      |        |
| 15 04 1990 | 4.29   |            |        |      |        |
| 11 05 1990 | 4.26   |            |        |      |        |
| 3 06 1990  | 4.27   |            |        |      |        |
| 16 07 1990 | 4.22   |            |        |      |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                             |             |                 |                            |                   |                    |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br><b>GA0324</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : KAEDI 1B |
| X<br>653.2                  | Y<br>1771.3 | Z<br>11.437     | Repère de mesure<br>12.387 |                   | Coupe C8           |

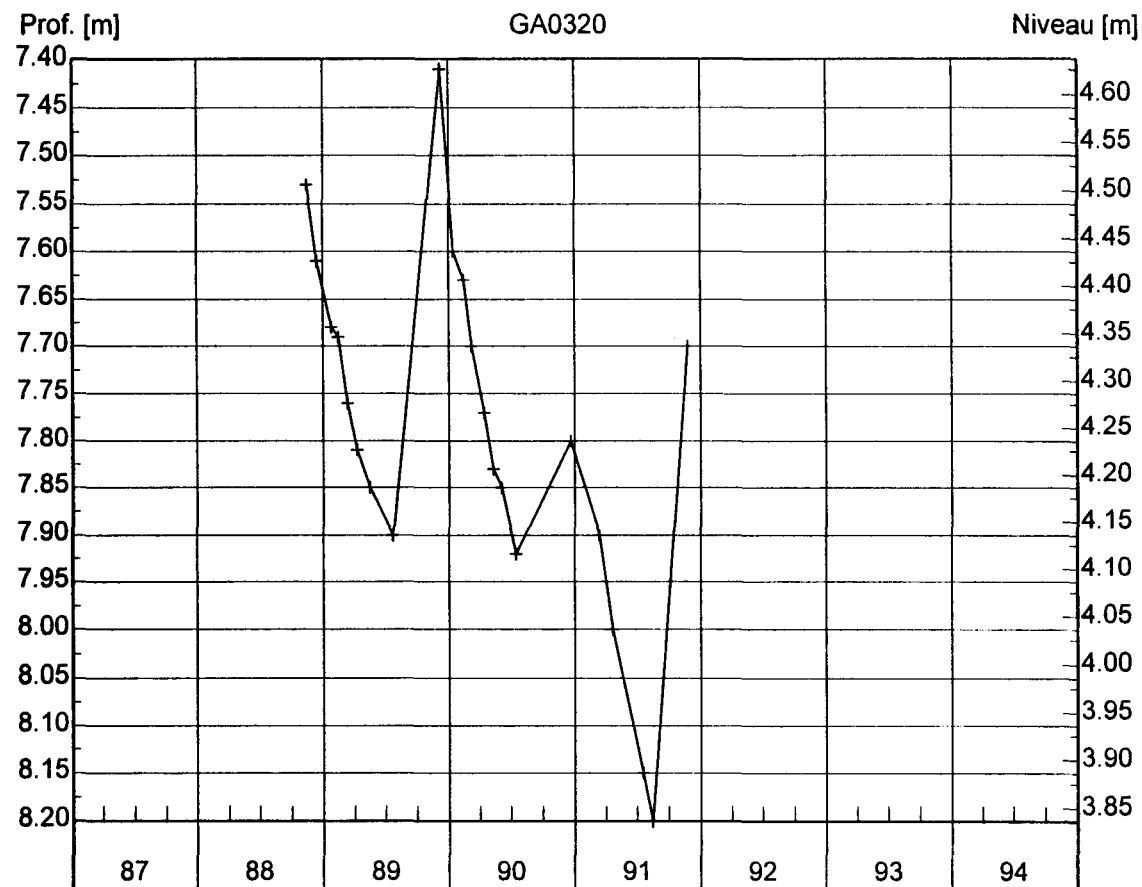


|                       |                     |
|-----------------------|---------------------|
| Prof<br>1160          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>9900    |
| Unite Geol<br>QT      | Unite Geom<br>N     |
| Limnim<br>14          | Dist Limn<br>14.800 |
| Pluviom<br>23         | Dist Pluv<br>16.500 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 15 11 1988 | 4.24   | 22 12 1990 | 4.27   |      |        |
| 14 12 1988 | 4.29   | 15 03 1991 | 4.24   |      |        |
| 26 01 1989 | 4.25   | 22 04 1991 | 4.19   |      |        |
| 14 02 1989 | 4.33   | 18 07 1991 | 4.09   |      |        |
| 12 03 1989 | 4.30   | 15 08 1991 | 3.99   |      |        |
| 6 04 1989  | 4.28   | 24 11 1991 | 4.07   |      |        |
| 15 05 1989 | 4.24   |            |        |      |        |
| 14 06 1989 | 4.21   |            |        |      |        |
| 23 07 1989 | 4.19   |            |        |      |        |
| 8 12 1989  | 4.36   |            |        |      |        |
| 13 01 1990 | 4.35   |            |        |      |        |
| 17 02 1990 | 4.35   |            |        |      |        |
| 9 03 1990  | 4.33   |            |        |      |        |
| 15 04 1990 | 4.29   |            |        |      |        |
| 11 05 1990 | 4.27   |            |        |      |        |
| 3 06 1990  | 4.24   |            |        |      |        |
| 16 07 1990 | 4.18   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                    |
|-----------------------------|-------------|-----------------|----------------------------|--------------------|
| Piézomètre<br><b>GA0320</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : KAEDI 1B |
| X<br>656.1                  | Y<br>1773.8 | Z<br>11.036     | Repère de mesure<br>12.036 | Coupe C8           |

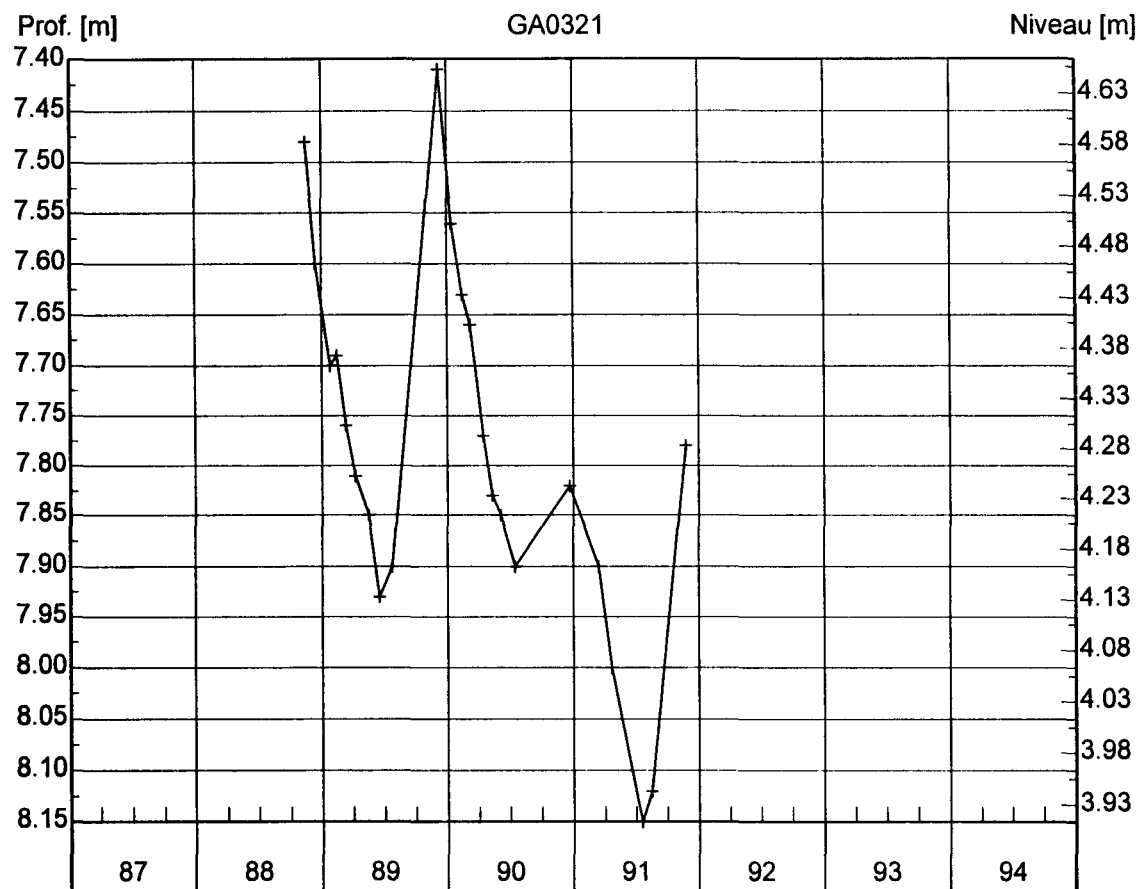


|                            |                     |
|----------------------------|---------------------|
| Prof<br>4950               | Annee<br>1987       |
| Fleuve<br>MAR. TIALOUGUEUL | Dist eau<br>308     |
| Unite Geol<br>EMI          | Unite Geom<br>A     |
| Limnim<br>14               | Dist Limn<br>11.400 |
| Pluviom<br>23              | Dist Pluv<br>13.200 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 15 11 1988 | 4.51   | 15 03 1991 | 4.14   |      |        |
| 14 12 1988 | 4.43   | 22 04 1991 | 4.04   |      |        |
| 26 01 1989 | 4.36   | 18 07 1991 | 3.89   |      |        |
| 14 02 1989 | 4.35   | 15 08 1991 | 3.84   |      |        |
| 12 03 1989 | 4.28   | 24 11 1991 | 4.34   |      |        |
| 7 04 1989  | 4.23   |            |        |      |        |
| 15 05 1989 | 4.19   |            |        |      |        |
| 22 07 1989 | 4.14   |            |        |      |        |
| 8 12 1989  | 4.63   |            |        |      |        |
| 13 01 1990 | 4.44   |            |        |      |        |
| 14 02 1990 | 4.41   |            |        |      |        |
| 9 03 1990  | 4.34   |            |        |      |        |
| 15 04 1990 | 4.27   |            |        |      |        |
| 11 05 1990 | 4.21   |            |        |      |        |
| 3 06 1990  | 4.19   |            |        |      |        |
| 16 07 1990 | 4.12   |            |        |      |        |
| 22 12 1990 | 4.24   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                    |
|-----------------------------|-------------|-----------------|----------------------------|--------------------|
| Piézomètre<br><b>GA0321</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : KAEDI 1B |
| X<br>656.1                  | Y<br>1773.8 | Z<br>11.078     | Repère de mesure<br>12.058 | Coupe C8           |



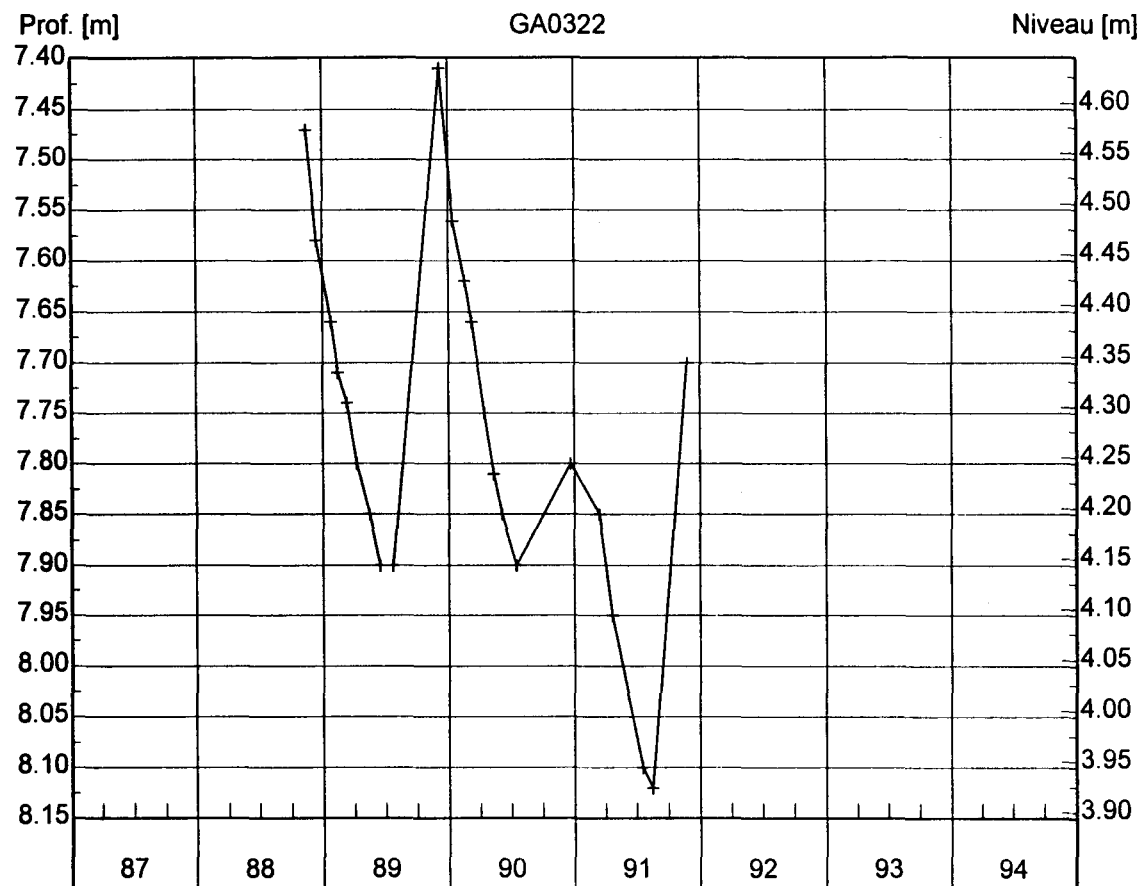
|                            |                     |
|----------------------------|---------------------|
| Prof<br>2960               | Annee<br>1987       |
| Fleuve<br>MAR. TIALOUGUEUL | Dist eau<br>306     |
| Unite Geol<br>QT           | Unite Geom<br>A     |
| Limnim<br>14               | Dist Limn<br>11.400 |
| Pluviom<br>23              | Dist Pluv<br>13.200 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 15 11 1988 | 4.58   | 22 12 1990 | 4.24   |      |        |
| 14 12 1988 | 4.46   | 15 03 1991 | 4.16   |      |        |
| 26 01 1989 | 4.36   | 22 04 1991 | 4.06   |      |        |
| 14 02 1989 | 4.37   | 18 07 1991 | 3.91   |      |        |
| 12 03 1989 | 4.30   | 15 08 1991 | 3.94   |      |        |
| 7 04 1989  | 4.25   | 24 11 1991 | 4.28   |      |        |
| 15 05 1989 | 4.21   |            |        |      |        |
| 14 06 1989 | 4.13   |            |        |      |        |
| 22 07 1989 | 4.16   |            |        |      |        |
| 8 12 1989  | 4.65   |            |        |      |        |
| 13 01 1990 | 4.50   |            |        |      |        |
| 14 02 1990 | 4.43   |            |        |      |        |
| 9 03 1990  | 4.40   |            |        |      |        |
| 15 04 1990 | 4.29   |            |        |      |        |
| 11 05 1990 | 4.23   |            |        |      |        |
| 3 06 1990  | 4.21   |            |        |      |        |
| 16 07 1990 | 4.16   |            |        |      |        |



# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                    |
|-----------------------------|-------------|-----------------|----------------------------|--------------------|
| Piézomètre<br><b>GA0322</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : KAEDI 1B |
| X<br>656.1                  | Y<br>1773.8 | Z<br>11.064     | Repère de mesure<br>12.044 | Coupe C8           |

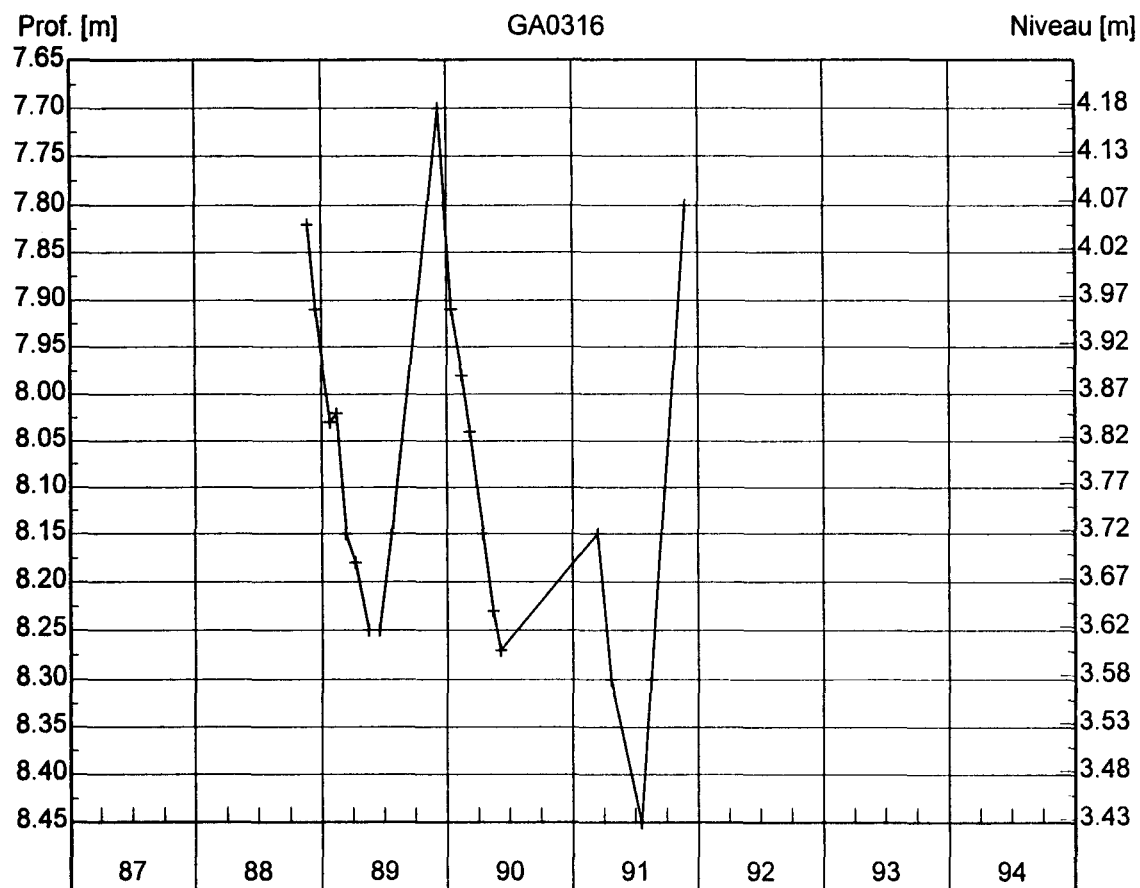


|                            |                     |
|----------------------------|---------------------|
| Prof<br>1450               | Annee<br>1987       |
| Fleuve<br>MAR. TIALOUGUEUL | Dist eau<br>305     |
| Unite Geol<br>QT           | Unite Geom<br>A     |
| Limnim<br>14               | Dist Limn<br>11.400 |
| Pluviom<br>23              | Dist Pluv<br>13.200 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 15 11 1988 | 4.57   | 22 12 1990 | 4.24   |      |        |
| 14 12 1988 | 4.46   | 15 03 1991 | 4.19   |      |        |
| 26 01 1989 | 4.38   | 22 04 1991 | 4.09   |      |        |
| 14 02 1989 | 4.33   | 18 07 1991 | 3.94   |      |        |
| 12 03 1989 | 4.30   | 15 08 1991 | 3.92   |      |        |
| 7 04 1989  | 4.24   | 24 11 1991 | 4.34   |      |        |
| 15 05 1989 | 4.19   |            |        |      |        |
| 14 06 1989 | 4.14   |            |        |      |        |
| 22 07 1989 | 4.14   |            |        |      |        |
| 8 12 1989  | 4.63   |            |        |      |        |
| 13 01 1990 | 4.48   |            |        |      |        |
| 17 02 1990 | 4.42   |            |        |      |        |
| 9 03 1990  | 4.38   |            |        |      |        |
| 15 04 1990 | 4.29   |            |        |      |        |
| 11 05 1990 | 4.23   |            |        |      |        |
| 3 06 1990  | 4.19   |            |        |      |        |
| 16 07 1990 | 4.14   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                      |             |                 |                            |                   |                    |
|----------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br>GA0316 |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : KAEDI 1B |
| X<br>658.3           | Y<br>1776.8 | Z<br>10.871     | Repère de mesure<br>11.871 |                   |                    |
| Coupe C8             |             |                 |                            |                   |                    |

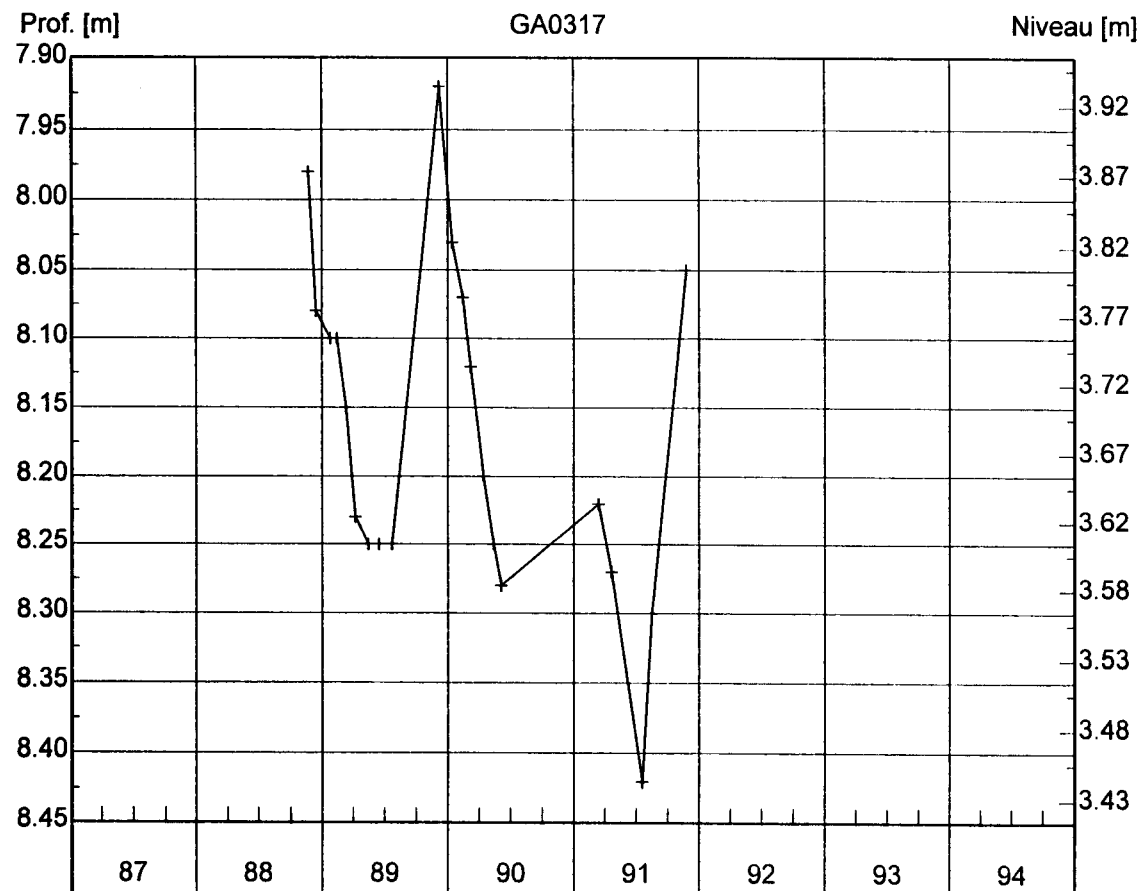


|                       |                    |
|-----------------------|--------------------|
| Prof<br>2945          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>2500   |
| Unite Geol<br>EC      | Unite Geom<br>A    |
| Limnim<br>14          | Dist Limn<br>7.800 |
| Pluviom<br>23         | Dist Pluv<br>9.500 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 23 11 1988 | 4.05   | 22 04 1991 | 3.57   |      |        |
| 14 12 1988 | 3.96   | 18 07 1991 | 3.42   |      |        |
| 26 01 1989 | 3.84   | 15 08 1991 | 3.57   |      |        |
| 14 02 1989 | 3.85   | 24 11 1991 | 4.07   |      |        |
| 12 03 1989 | 3.72   |            |        |      |        |
| 7 04 1989  | 3.69   |            |        |      |        |
| 15 05 1989 | 3.62   |            |        |      |        |
| 15 06 1989 | 3.62   |            |        |      |        |
| 23 07 1989 | 3.72   |            |        |      |        |
| 7 12 1989  | 4.17   |            |        |      |        |
| 13 01 1990 | 3.96   |            |        |      |        |
| 14 02 1990 | 3.89   |            |        |      |        |
| 9 03 1990  | 3.83   |            |        |      |        |
| 15 04 1990 | 3.72   |            |        |      |        |
| 12 05 1990 | 3.64   |            |        |      |        |
| 3 06 1990  | 3.60   |            |        |      |        |
| 15 03 1991 | 3.72   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                    |
|-----------------------------|-------------|-----------------|----------------------------|--------------------|
| Piézomètre<br><b>GA0317</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : KAEDI 1B |
| X<br>658.3                  | Y<br>1776.8 | Z<br>10.829     | Repère de mesure<br>11.859 | Coupe C8           |

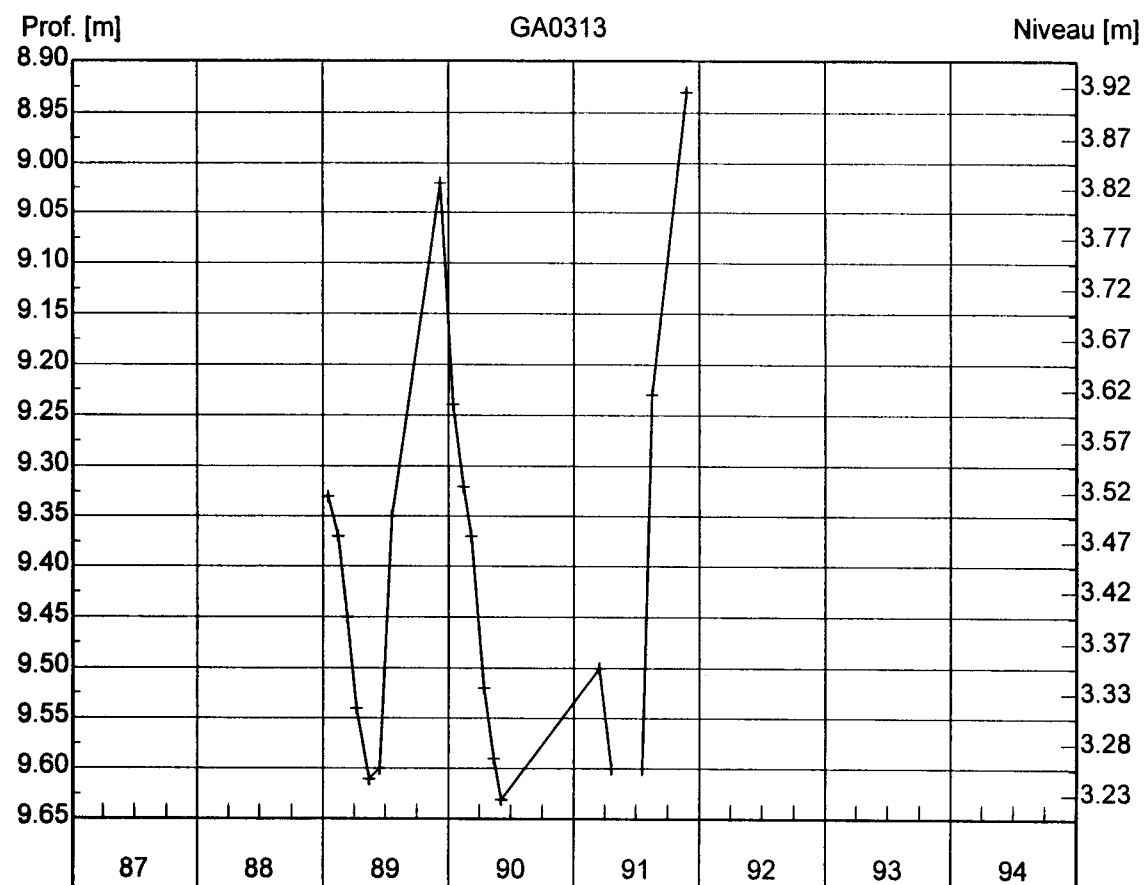


|                       |                    |
|-----------------------|--------------------|
| Prof<br>1250          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>2500   |
| Unite Geol<br>QT      | Unite Geom<br>A    |
| Limnim<br>14          | Dist Limn<br>7.800 |
| Pluviom<br>23         | Dist Pluv<br>9.500 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 23 11 1988 | 3.88   | 22 04 1991 | 3.59   |      |        |
| 14 12 1988 | 3.78   | 18 07 1991 | 3.44   |      |        |
| 26 01 1989 | 3.76   | 15 08 1991 | 3.56   |      |        |
| 14 02 1989 | 3.76   | 24 11 1991 | 3.81   |      |        |
| 12 03 1989 | 3.71   |            |        |      |        |
| 7 04 1989  | 3.63   |            |        |      |        |
| 15 05 1989 | 3.61   |            |        |      |        |
| 15 06 1989 | 3.61   |            |        |      |        |
| 23 07 1989 | 3.61   |            |        |      |        |
| 7 12 1989  | 3.94   |            |        |      |        |
| 13 01 1990 | 3.83   |            |        |      |        |
| 14 02 1990 | 3.79   |            |        |      |        |
| 9 03 1990  | 3.74   |            |        |      |        |
| 15 04 1990 | 3.66   |            |        |      |        |
| 12 05 1990 | 3.61   |            |        |      |        |
| 3 06 1990  | 3.58   |            |        |      |        |
| 15 03 1991 | 3.64   |            |        |      |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                             |             |                 |                            |                   |                    |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br><b>GA0313</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : KAEDI 1B |
| X<br>659.9                  | Y<br>1778.7 | Z<br>11.841     | Repère de mesure<br>12.851 |                   | Coupe C8           |

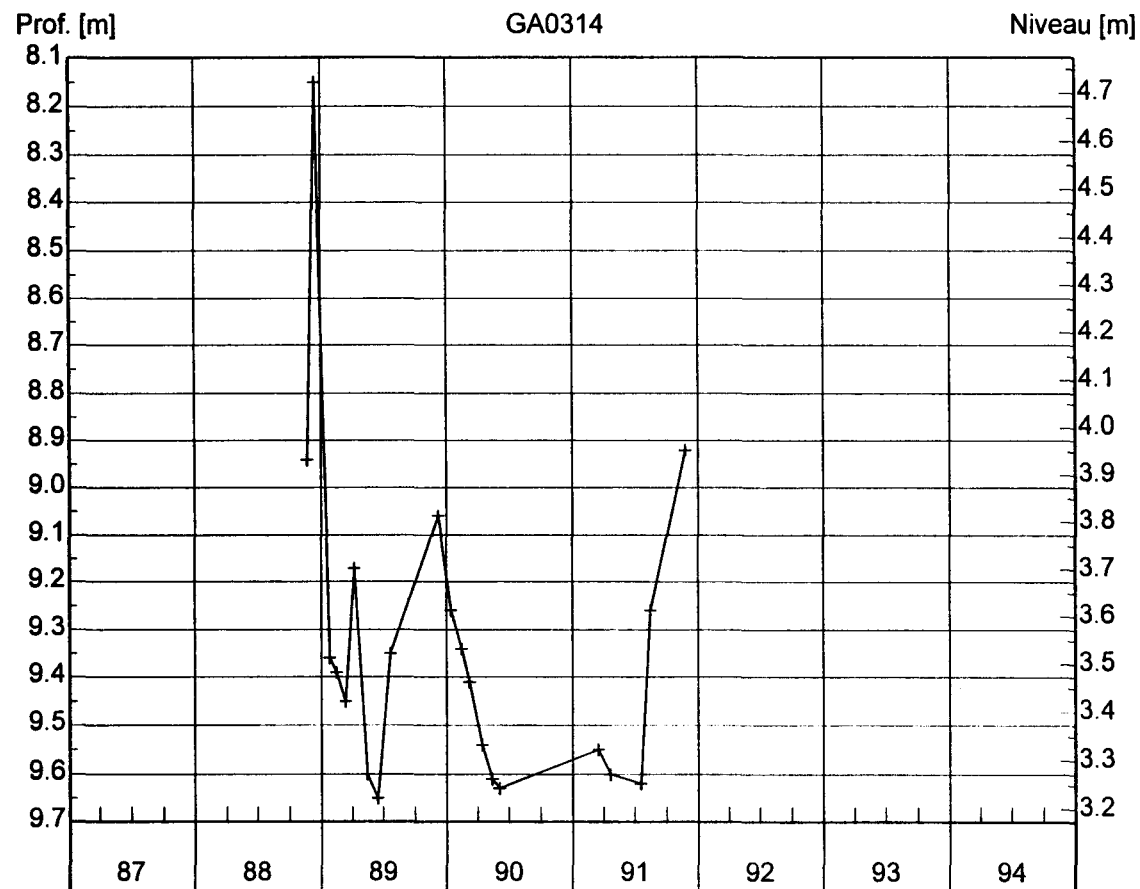


|                       |                    |
|-----------------------|--------------------|
| Prof<br>4950          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>63     |
| Unite Geol<br>EC      | Unite Geom<br>N    |
| Limnim<br>14          | Dist Limn<br>5.800 |
| Pluviom<br>23         | Dist Pluv<br>7.600 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 16 01 1989 | 3.52   | 15 08 1991 | 3.62   |      |        |
| 14 02 1989 | 3.48   | 24 11 1991 | 3.92   |      |        |
| 13 03 1989 | 3.40   |            |        |      |        |
| 7 04 1989  | 3.31   |            |        |      |        |
| 15 05 1989 | 3.24   |            |        |      |        |
| 15 06 1989 | 3.25   |            |        |      |        |
| 19 07 1989 | 3.50   |            |        |      |        |
| 7 12 1989  | 3.83   |            |        |      |        |
| 13 01 1990 | 3.61   |            |        |      |        |
| 14 02 1990 | 3.53   |            |        |      |        |
| 9 03 1990  | 3.48   |            |        |      |        |
| 15 04 1990 | 3.33   |            |        |      |        |
| 12 05 1990 | 3.26   |            |        |      |        |
| 3 06 1990  | 3.22   |            |        |      |        |
| 16 03 1991 | 3.35   |            |        |      |        |
| 22 04 1991 | 3.25   |            |        |      |        |
| 18 07 1991 | 3.25   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                      |             |                 |                            |                   |                    |
|----------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br>GA0314 |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : KAEDI 1B |
| X<br>659.9           | Y<br>1778.7 | Z<br>11.873     | Repère de mesure<br>12.873 |                   |                    |
| Coupe C8             |             |                 |                            |                   |                    |

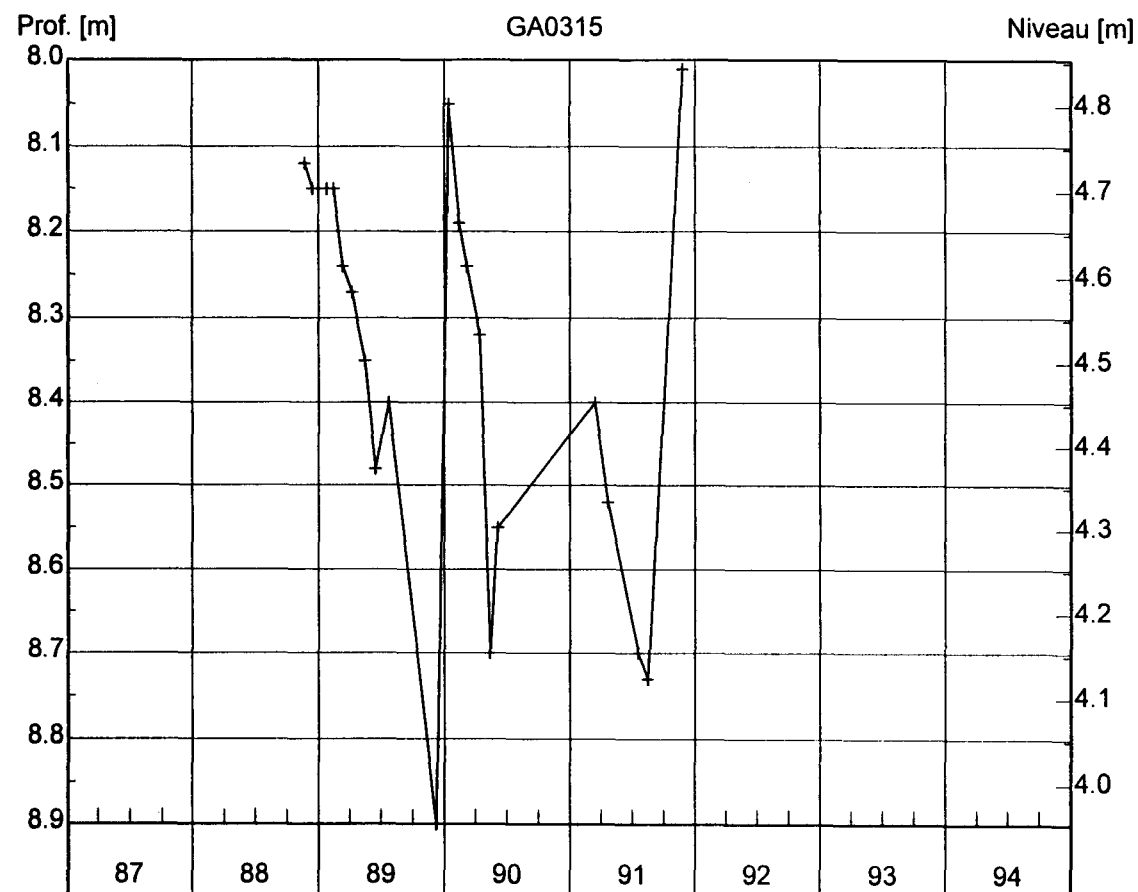


|                       |                    |
|-----------------------|--------------------|
| Prof<br>2955          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>64     |
| Unite Geol<br>EC      | Unite Geom<br>N    |
| Limnim<br>14          | Dist Limn<br>5.800 |
| Pluviom<br>23         | Dist Pluv<br>7.600 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 23 11 1988 | 3.93   | 22 04 1991 | 3.27   |      |        |
| 14 12 1988 | 4.72   | 18 07 1991 | 3.25   |      |        |
| 26 01 1989 | 3.51   | 15 08 1991 | 3.61   |      |        |
| 14 02 1989 | 3.48   | 24 11 1991 | 3.95   |      |        |
| 12 03 1989 | 3.42   |            |        |      |        |
| 7 04 1989  | 3.70   |            |        |      |        |
| 15 05 1989 | 3.27   |            |        |      |        |
| 15 06 1989 | 3.22   |            |        |      |        |
| 23 07 1989 | 3.52   |            |        |      |        |
| 7 12 1989  | 3.81   |            |        |      |        |
| 13 01 1990 | 3.61   |            |        |      |        |
| 14 02 1990 | 3.53   |            |        |      |        |
| 9 03 1990  | 3.46   |            |        |      |        |
| 15 04 1990 | 3.33   |            |        |      |        |
| 12 05 1990 | 3.26   |            |        |      |        |
| 3 06 1990  | 3.24   |            |        |      |        |
| 16 03 1991 | 3.32   |            |        |      |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                             |             |                 |                            |                   |                    |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br><b>GA0315</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : KAEDI 1B |
| X<br>659.9                  | Y<br>1778.7 | Z<br>11.913     | Repère de mesure<br>12.853 |                   | Coupe C8           |

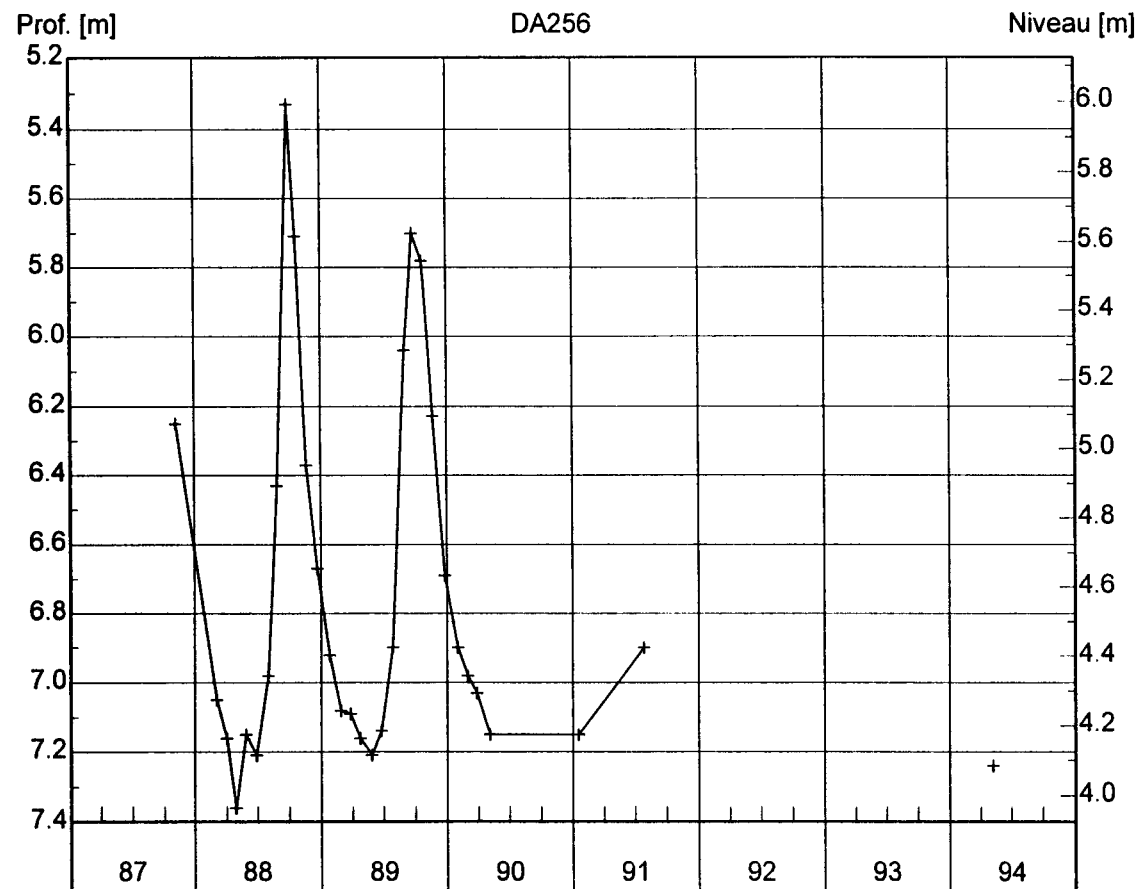


|                       |                    |
|-----------------------|--------------------|
| Prof<br>1150          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>66     |
| Unite Geol<br>QT      | Unite Geom<br>N    |
| Limnim<br>14          | Dist Limn<br>5.800 |
| Pluviom<br>23         | Dist Pluv<br>7.600 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 23 11 1988 | 4.73   | 22 04 1991 | 4.33   |      |        |
| 14 12 1988 | 4.70   | 18 07 1991 | 4.15   |      |        |
| 26 01 1989 | 4.70   | 15 08 1991 | 4.12   |      |        |
| 14 02 1989 | 4.70   | 24 11 1991 | 4.84   |      |        |
| 12 03 1989 | 4.61   |            |        |      |        |
| 7 04 1989  | 4.58   |            |        |      |        |
| 15 05 1989 | 4.50   |            |        |      |        |
| 15 06 1989 | 4.37   |            |        |      |        |
| 23 07 1989 | 4.45   |            |        |      |        |
| 7 12 1989  | 3.95   |            |        |      |        |
| 13 01 1990 | 4.80   |            |        |      |        |
| 14 02 1990 | 4.66   |            |        |      |        |
| 9 03 1990  | 4.61   |            |        |      |        |
| 15 04 1990 | 4.53   |            |        |      |        |
| 12 05 1990 | 4.15   |            |        |      |        |
| 3 06 1990  | 4.30   |            |        |      |        |
| 15 03 1991 | 4.45   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                    |
|----------------------------|-------------|--------------------|----------------------------|--------------------|
| Piézomètre<br><b>DA256</b> |             | Pays<br>Mauritanie | Communauté rurale          | Feuille : KAEDI 2A |
| X<br>663.9                 | Y<br>1785.0 | Z<br>10.334        | Repère de mesure<br>11.324 | Coupe C8           |

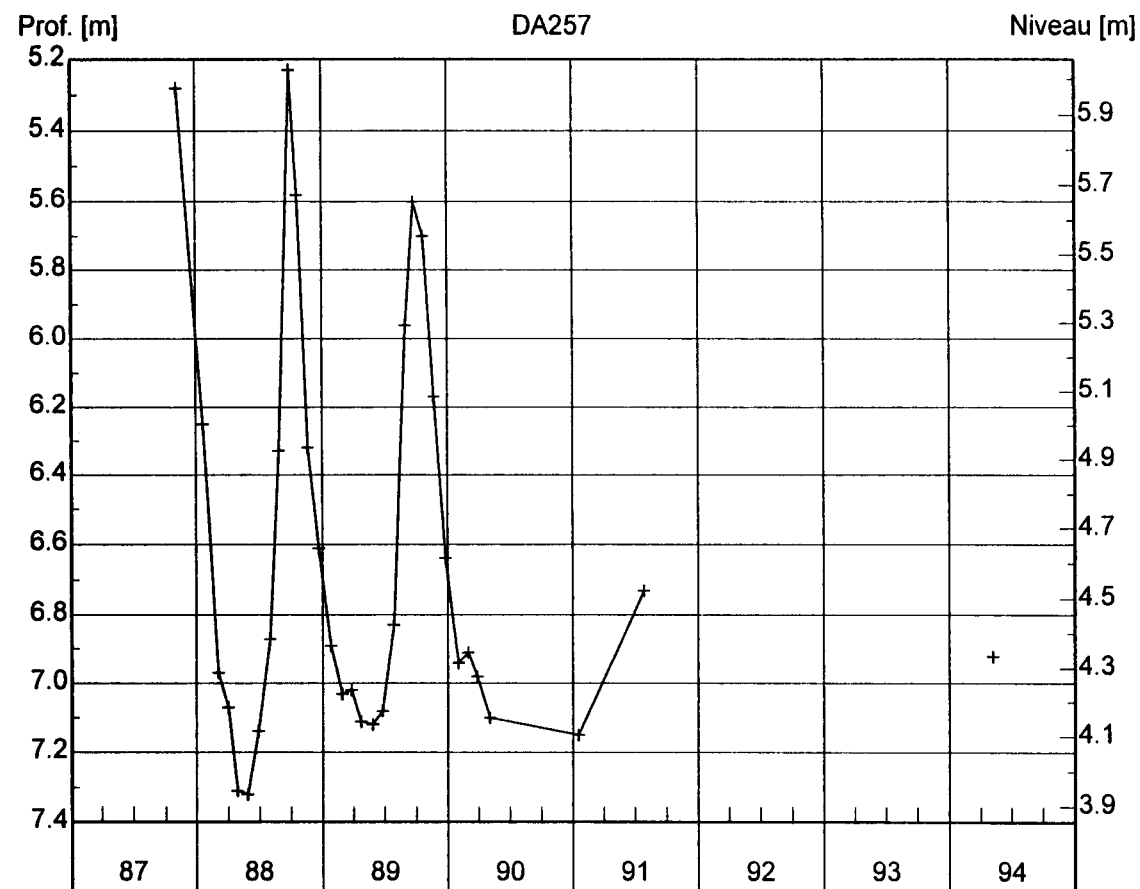


|                       |                    |
|-----------------------|--------------------|
| Prof<br>1830          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>800    |
| Unite Geol<br>QT      | Unite Geom<br>O    |
| Limnim<br>14          | Dist Limn<br>3.300 |
| Pluviom<br>23         | Dist Pluv<br>3.300 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 6 11 1987  | 5.07   | 24 06 1989 | 4.18   |      |        |
| 4 03 1988  | 4.27   | 26 07 1989 | 4.42   |      |        |
| 1 04 1988  | 4.16   | 30 08 1989 | 5.28   |      |        |
| 27 04 1988 | 3.96   | 24 09 1989 | 5.62   |      |        |
| 27 05 1988 | 4.17   | 22 10 1989 | 5.54   |      |        |
| 26 06 1988 | 4.11   | 23 11 1989 | 5.09   |      |        |
| 31 07 1988 | 4.34   | 26 12 1989 | 4.63   |      |        |
| 27 08 1988 | 4.89   | 1 02 1990  | 4.42   |      |        |
| 29 09 1988 | 5.99   | 2 03 1990  | 4.34   |      |        |
| 21 10 1988 | 5.61   | 28 03 1990 | 4.29   |      |        |
| 20 11 1988 | 4.95   | 5 05 1990  | 4.17   |      |        |
| 21 12 1988 | 4.65   | 16 01 1991 | 4.17   |      |        |
| 25 01 1989 | 4.40   | 26 07 1991 | 4.42   |      |        |
| 26 02 1989 | 4.24   | 6 05 1994  | 4.08   |      |        |
| 25 03 1989 | 4.23   |            |        |      |        |
| 23 04 1989 | 4.16   |            |        |      |        |
| 25 05 1989 | 4.11   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                    |
|----------------------------|-------------|--------------------|----------------------------|--------------------|
| Piézomètre<br><b>DA257</b> |             | Pays<br>Mauritanie | Communauté rurale          | Feuille : KAEDI 2A |
| X<br>663.9                 | Y<br>1785.0 | Z<br>10.255        | Repère de mesure<br>11.255 | Coupe C8           |



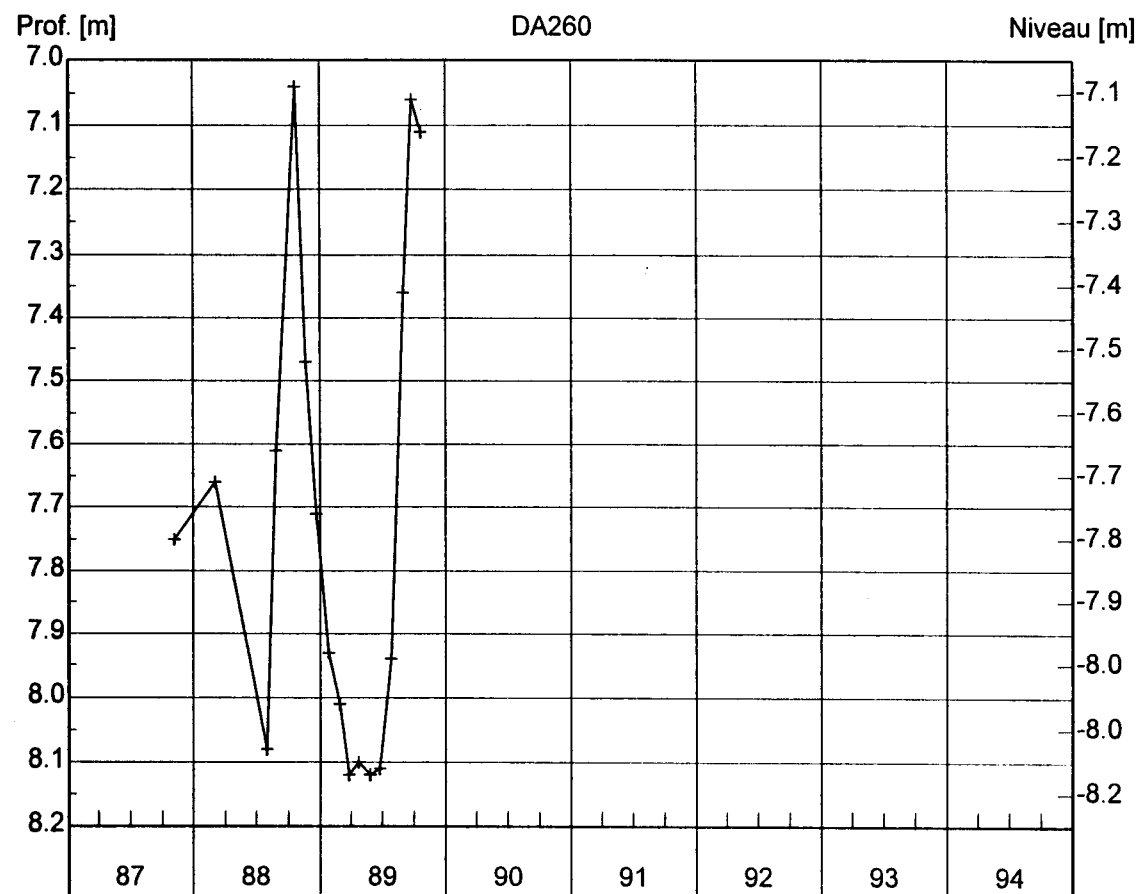
|                       |                    |
|-----------------------|--------------------|
| Prof<br>3130          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>800    |
| Unite Geol<br>EC      | Unite Geom<br>O    |
| Limnim<br>14          | Dist Limn<br>3.300 |
| Pluviom<br>23         | Dist Pluv<br>3.300 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 6 11 1987  | 5.97   | 25 05 1989 | 4.14   |      |        |
| 19 01 1988 | 5.01   | 24 06 1989 | 4.18   |      |        |
| 4 03 1988  | 4.29   | 26 07 1989 | 4.43   |      |        |
| 1 04 1988  | 4.18   | 30 08 1989 | 5.30   |      |        |
| 27 04 1988 | 3.95   | 24 09 1989 | 5.66   |      |        |
| 27 05 1988 | 3.93   | 22 10 1989 | 5.56   |      |        |
| 26 06 1988 | 4.12   | 23 11 1989 | 5.09   |      |        |
| 31 07 1988 | 4.39   | 26 12 1989 | 4.62   |      |        |
| 27 08 1988 | 4.93   | 1 02 1990  | 4.32   |      |        |
| 29 09 1988 | 6.03   | 1 03 1990  | 4.35   |      |        |
| 21 10 1988 | 5.68   | 28 03 1990 | 4.28   |      |        |
| 20 11 1988 | 4.93   | 5 05 1990  | 4.16   |      |        |
| 21 12 1988 | 4.64   | 16 01 1991 | 4.11   |      |        |
| 25 01 1989 | 4.37   | 26 07 1991 | 4.53   |      |        |
| 26 02 1989 | 4.22   | 6 05 1994  | 4.34   |      |        |
| 25 03 1989 | 4.24   |            |        |      |        |
| 23 04 1989 | 4.14   |            |        |      |        |



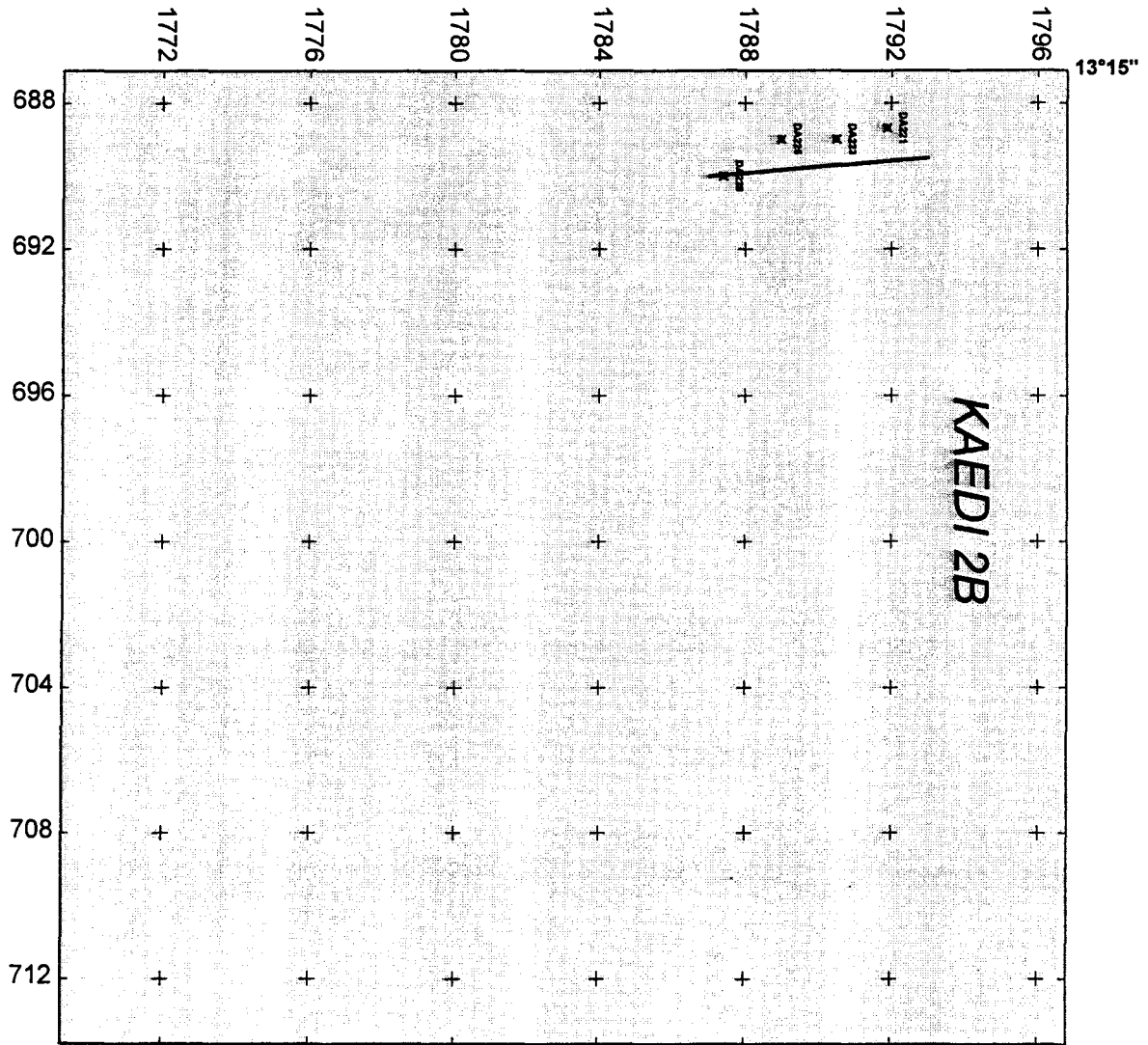
# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                                   |                    |                           |                                  |                           |
|-----------------------------------|--------------------|---------------------------|----------------------------------|---------------------------|
| <b>Piézomètre</b><br><b>DA260</b> |                    | <b>Pays</b><br>Mauritanie | <b>Communauté rurale</b>         | <b>Feuille : KAEDI 2A</b> |
| <b>X</b><br>664.9                 | <b>Y</b><br>1787.5 | <b>Z</b><br>0.000         | <b>Repère de mesure</b><br>0.000 | <b>Coupe C8</b>           |

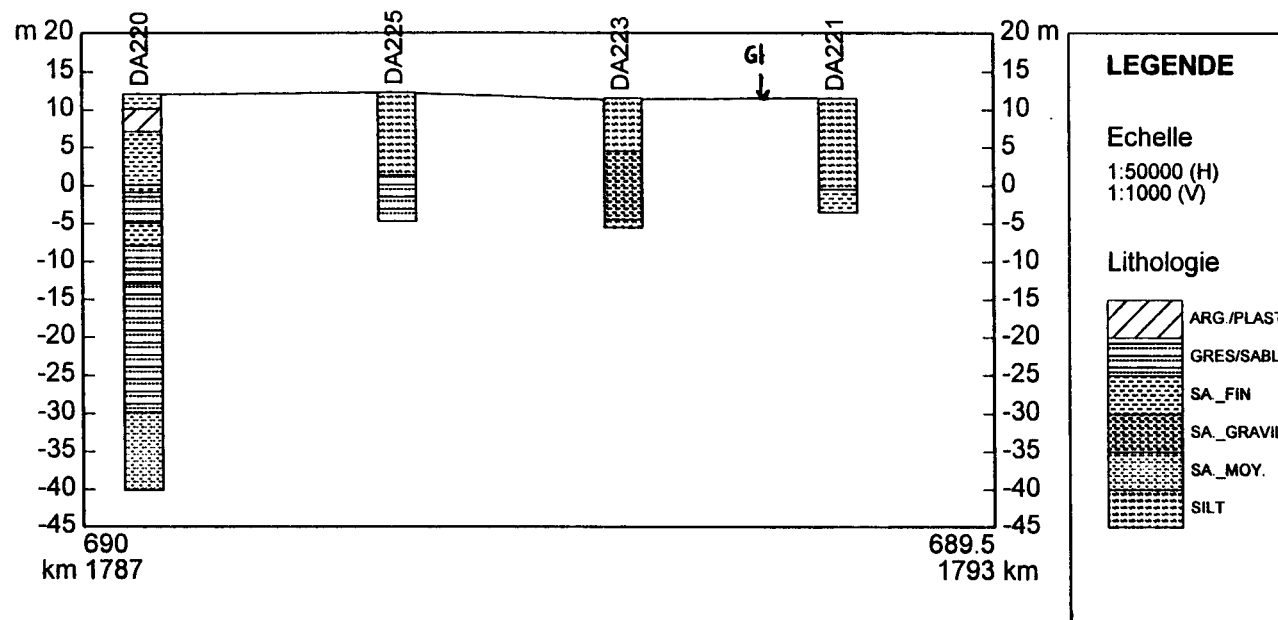


|                                 |                           |
|---------------------------------|---------------------------|
| <b>Prof</b><br>1480             | <b>Annee</b><br>1987      |
| <b>Fleuve</b><br>MARIGOT GORGOL | <b>Dist eau</b><br>200    |
| <b>Unite Geol</b><br>EC         | <b>Unite Geom</b><br>A    |
| <b>Limnim</b><br>14             | <b>Dist Limn</b><br>5.000 |
| <b>Pluviom</b><br>23            | <b>Dist Pluv</b><br>5.000 |

| Date       | Niveau | Date | Niveau | Date | Niveau |
|------------|--------|------|--------|------|--------|
| 7 11 1987  | -7.75  |      |        |      |        |
| 4 03 1988  | -7.66  |      |        |      |        |
| 31 07 1988 | -8.08  |      |        |      |        |
| 27 08 1988 | -7.61  |      |        |      |        |
| 21 10 1988 | -7.04  |      |        |      |        |
| 20 11 1988 | -7.47  |      |        |      |        |
| 21 12 1988 | -7.71  |      |        |      |        |
| 25 01 1989 | -7.93  |      |        |      |        |
| 26 02 1989 | -8.01  |      |        |      |        |
| 25 03 1989 | -8.12  |      |        |      |        |
| 23 04 1989 | -8.10  |      |        |      |        |
| 25 05 1989 | -8.12  |      |        |      |        |
| 24 06 1989 | -8.11  |      |        |      |        |
| 26 07 1989 | -7.94  |      |        |      |        |
| 30 08 1989 | -7.36  |      |        |      |        |
| 24 09 1989 | -7.06  |      |        |      |        |
| 22 10 1989 | -7.11  |      |        |      |        |



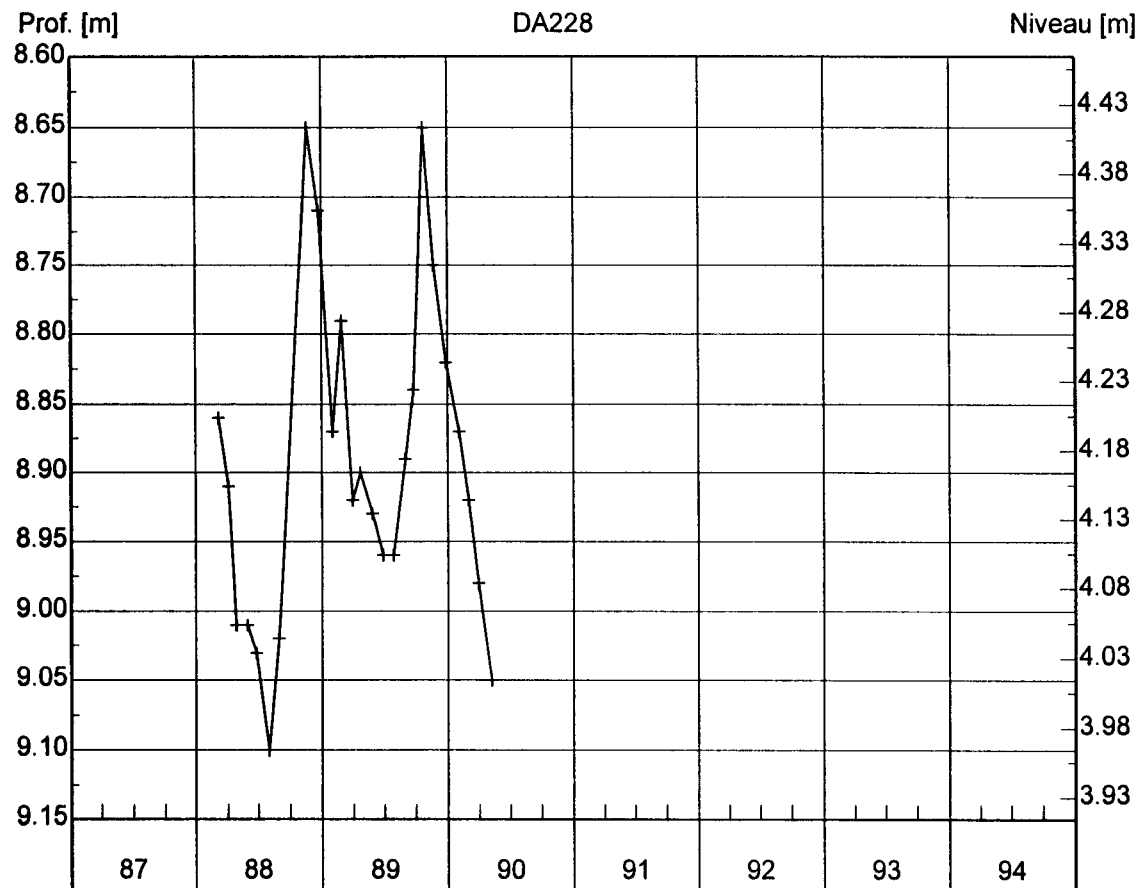
# **PROFIL LITHO-STRATIGRAPHIQUE C9 - KAEDI 2B**



| idouv | mtux  | mtuy   | z      | elrepign | profouv | geolid | geomid | lgcrep | profhcre | descstrat |
|-------|-------|--------|--------|----------|---------|--------|--------|--------|----------|-----------|
| DA220 | 690   | 1787.4 | 12.157 | 13.157   | 5120    | EC     | N      | 100    | 4920     | SABLE MOY |
| DA221 | 688.7 | 1791.9 | 11.588 | 12.528   | 1450    | QT     | A      | 100    | 1300     | SABLE FIN |
| DA223 | 689   | 1790.5 | 11.512 | 12.482   | 1640    | QT     | M      | 100    | 1490     | SABLE MOY |
| DA225 | 689   | 1789   | 12.304 | 13.294   | 1650    | EC     | A      | 100    | 1500     | SABLE MOY |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                           |
|----------------------------|-------------|--------------------|----------------------------|---------------------------|
| Piézomètre<br><b>DA228</b> |             | Pays<br>Mauritanie | Communauté rurale          | Feuille : <b>KAEDI 2B</b> |
| X<br>690.0                 | Y<br>1787.4 | Z<br>12.149        | Repère de mesure<br>13.059 | Coupe C9                  |

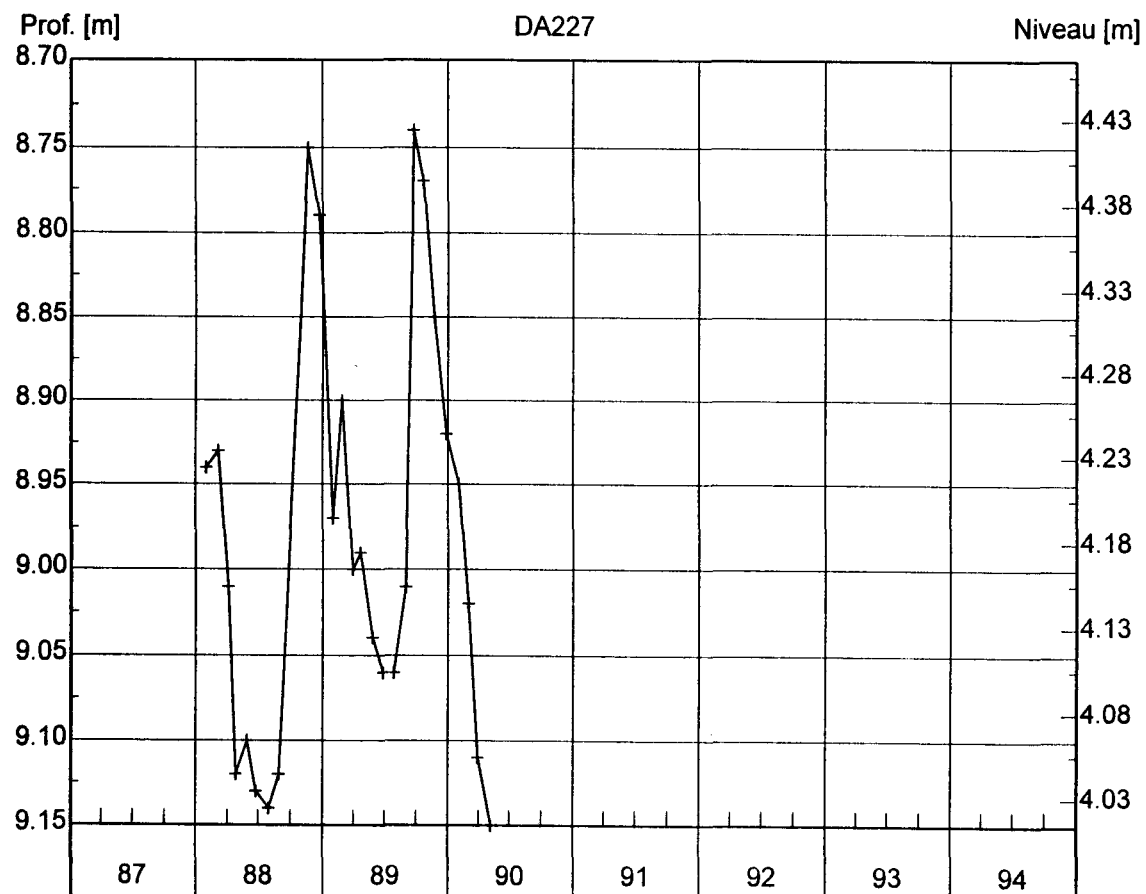


|                          |                     |
|--------------------------|---------------------|
| Prof<br>1640             | Annee<br>1987       |
| Fleuve<br>MARIGOT GORGOL | Dist eau<br>2300    |
| Unite Geol<br>EC         | Unite Geom<br>N     |
| Limnim<br>14             | Dist Limn<br>29.900 |
| Pluviom<br>23            | Dist Pluv<br>29.900 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 5 03 1988  | 4.20   | 25 09 1989 | 4.22   |      |        |
| 2 04 1988  | 4.15   | 23 10 1989 | 4.41   |      |        |
| 26 04 1988 | 4.05   | 23 11 1989 | 4.31   |      |        |
| 28 05 1988 | 4.05   | 27 12 1989 | 4.24   |      |        |
| 24 06 1988 | 4.03   | 2 02 1990  | 4.19   |      |        |
| 31 07 1988 | 3.96   | 2 03 1990  | 4.14   |      |        |
| 28 08 1988 | 4.04   | 29 03 1990 | 4.08   |      |        |
| 20 11 1988 | 4.41   | 6 05 1990  | 4.01   |      |        |
| 22 12 1988 | 4.35   |            |        |      |        |
| 31 01 1989 | 4.19   |            |        |      |        |
| 28 02 1989 | 4.27   |            |        |      |        |
| 29 03 1989 | 4.14   |            |        |      |        |
| 22 04 1989 | 4.16   |            |        |      |        |
| 26 05 1989 | 4.13   |            |        |      |        |
| 25 06 1989 | 4.10   |            |        |      |        |
| 27 07 1989 | 4.10   |            |        |      |        |
| 31 08 1989 | 4.17   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                   |                    |
|----------------------------|-------------|--------------------|----------------------------|-------------------|--------------------|
| Piézomètre<br><b>DA227</b> |             | Pays<br>Mauritanie |                            | Communauté rurale | Feuille : KAEDI 2B |
| X<br>690.0                 | Y<br>1787.4 | Z<br>12.189        | Repère de mesure<br>13.159 |                   | Coupe C9           |

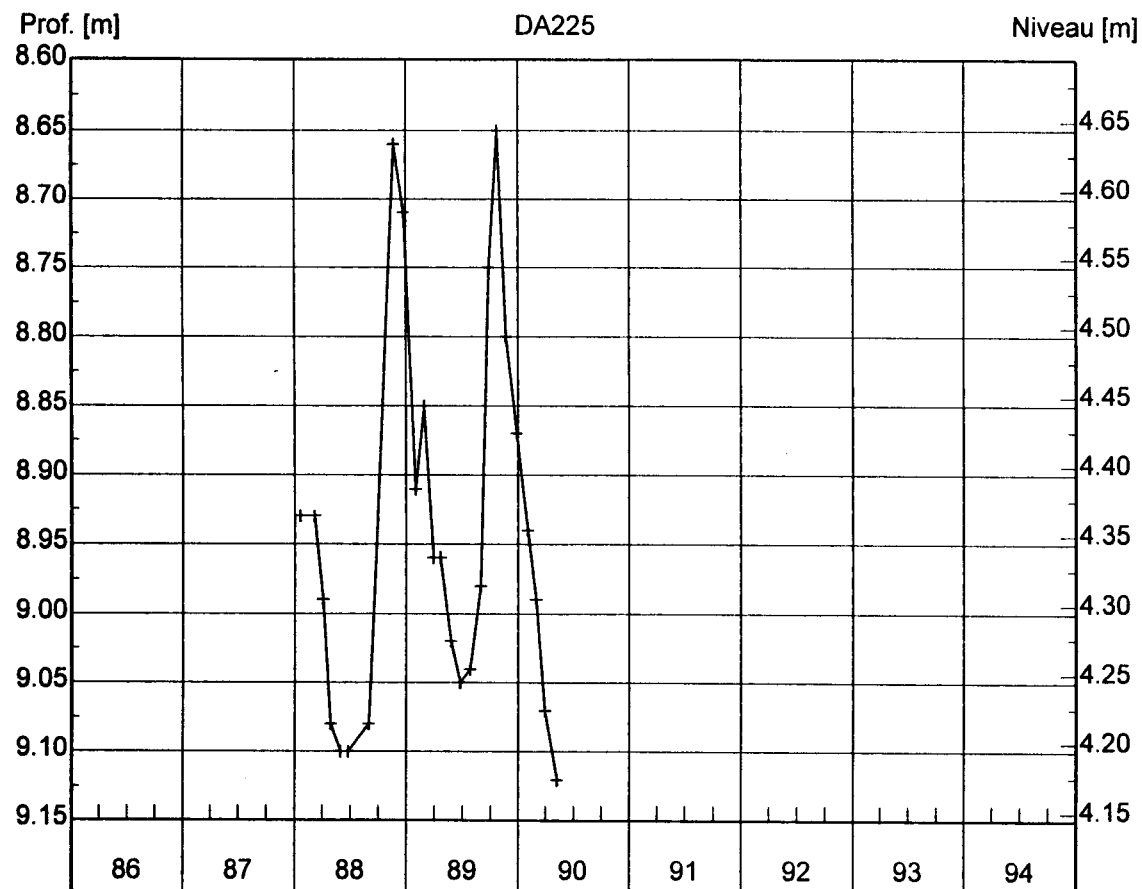


|                          |                     |
|--------------------------|---------------------|
| Prof<br>4950             | Annee<br>1987       |
| Fleuve<br>MARIGOT GORGOL | Dist eau<br>2300    |
| Unite Geol<br>EC         | Unite Geom<br>N     |
| Limnim<br>14             | Dist Limn<br>29.900 |
| Pluviom<br>23            | Dist Pluv<br>29.900 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 30 01 1988 | 4.22   | 31 08 1989 | 4.15   |      |        |
| 5 03 1988  | 4.23   | 25 09 1989 | 4.42   |      |        |
| 2 04 1988  | 4.15   | 23 10 1989 | 4.39   |      |        |
| 26 04 1988 | 4.04   | 23 11 1989 | 4.31   |      |        |
| 28 05 1988 | 4.06   | 27 12 1989 | 4.24   |      |        |
| 24 06 1988 | 4.03   | 2 02 1990  | 4.21   |      |        |
| 31 07 1988 | 4.02   | 2 03 1990  | 4.14   |      |        |
| 28 08 1988 | 4.04   | 29 03 1990 | 4.05   |      |        |
| 20 11 1988 | 4.41   | 6 05 1990  | 4.01   |      |        |
| 22 12 1988 | 4.37   |            |        |      |        |
| 31 01 1989 | 4.19   |            |        |      |        |
| 28 02 1989 | 4.26   |            |        |      |        |
| 29 03 1989 | 4.16   |            |        |      |        |
| 22 04 1989 | 4.17   |            |        |      |        |
| 26 05 1989 | 4.12   |            |        |      |        |
| 25 06 1989 | 4.10   |            |        |      |        |
| 27 07 1989 | 4.10   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                     |             |                    |                            |                   |                    |
|---------------------|-------------|--------------------|----------------------------|-------------------|--------------------|
| Piézomètre<br>DA225 |             | Pays<br>Mauritanie |                            | Communauté rurale | Feuille : KAEDI 2B |
| X<br>689.0          | Y<br>1789.0 | Z<br>12.304        | Repère de mesure<br>13.294 |                   |                    |
| Coupe C9            |             |                    |                            |                   |                    |

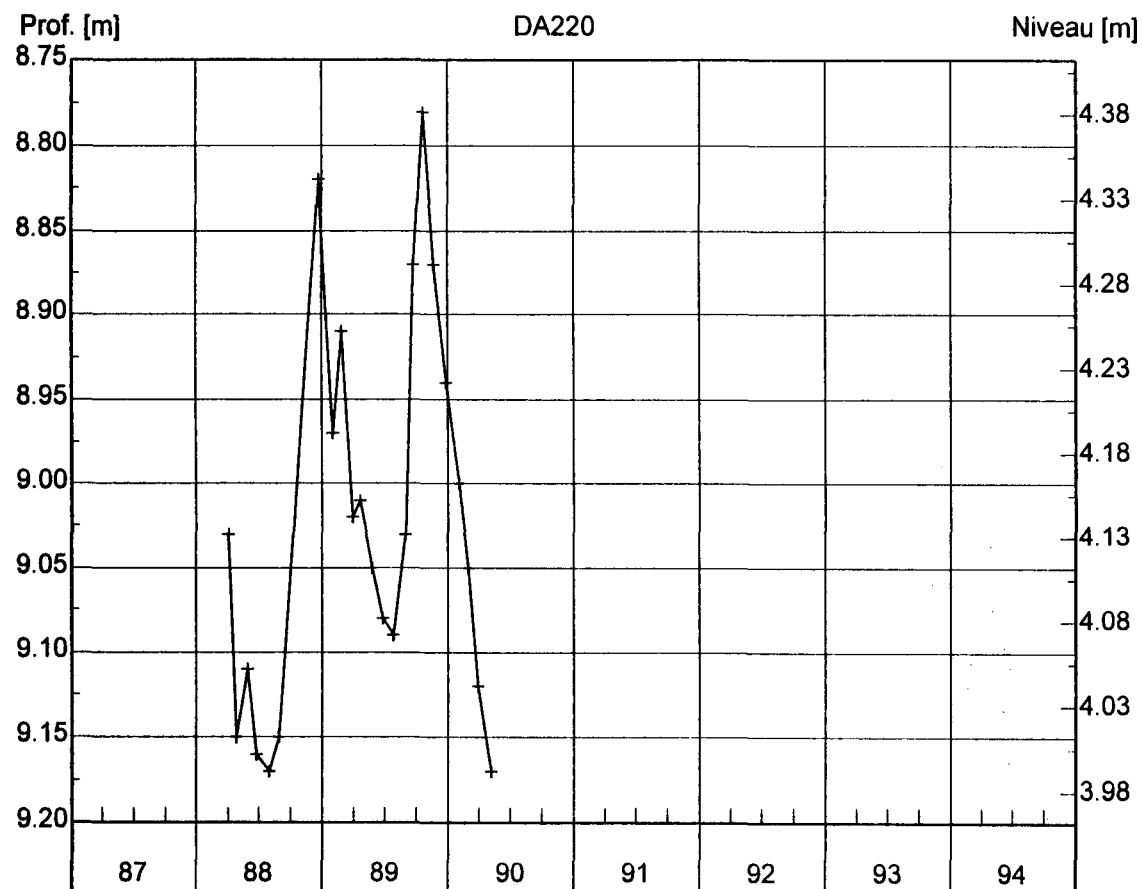


|                                 |                            |                         |
|---------------------------------|----------------------------|-------------------------|
| <b>Prof</b><br>1650             | <b>Annee</b><br>1987       |                         |
| <b>Fleuve</b><br>MARIGOT GORGOL |                            | <b>Dist eau</b><br>1600 |
| <b>Unite Geol</b><br>EC         |                            | <b>Unite Geom</b><br>A  |
| <b>Limnim</b><br>14             | <b>Dist Limn</b><br>29.100 |                         |
| <b>Pluviom</b><br>23            | <b>Dist Pluv</b><br>29.100 |                         |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 19 01 1988 | 4.36   | 25 09 1989 | 4.54   |      |        |
| 05 03 1988 | 4.36   | 23 10 1989 | 4.64   |      |        |
| 02 04 1988 | 4.30   | 23 11 1989 | 4.49   |      |        |
| 26 04 1988 | 4.21   | 27 12 1989 | 4.42   |      |        |
| 28 05 1988 | 4.19   | 02 02 1990 | 4.35   |      |        |
| 24 06 1988 | 4.19   | 02 03 1990 | 4.30   |      |        |
| 28 08 1988 | 4.21   | 29 03 1990 | 4.22   |      |        |
| 20 11 1988 | 4.63   | 06 05 1990 | 4.17   |      |        |
| 22 12 1988 | 4.58   |            |        |      |        |
| 31 01 1989 | 4.38   |            |        |      |        |
| 28 02 1989 | 4.44   |            |        |      |        |
| 29 03 1989 | 4.33   |            |        |      |        |
| 22 04 1989 | 4.33   |            |        |      |        |
| 26 05 1989 | 4.27   |            |        |      |        |
| 25 06 1989 | 4.24   |            |        |      |        |
| 27 07 1989 | 4.25   |            |        |      |        |
| 31 08 1989 | 4.31   |            |        |      |        |

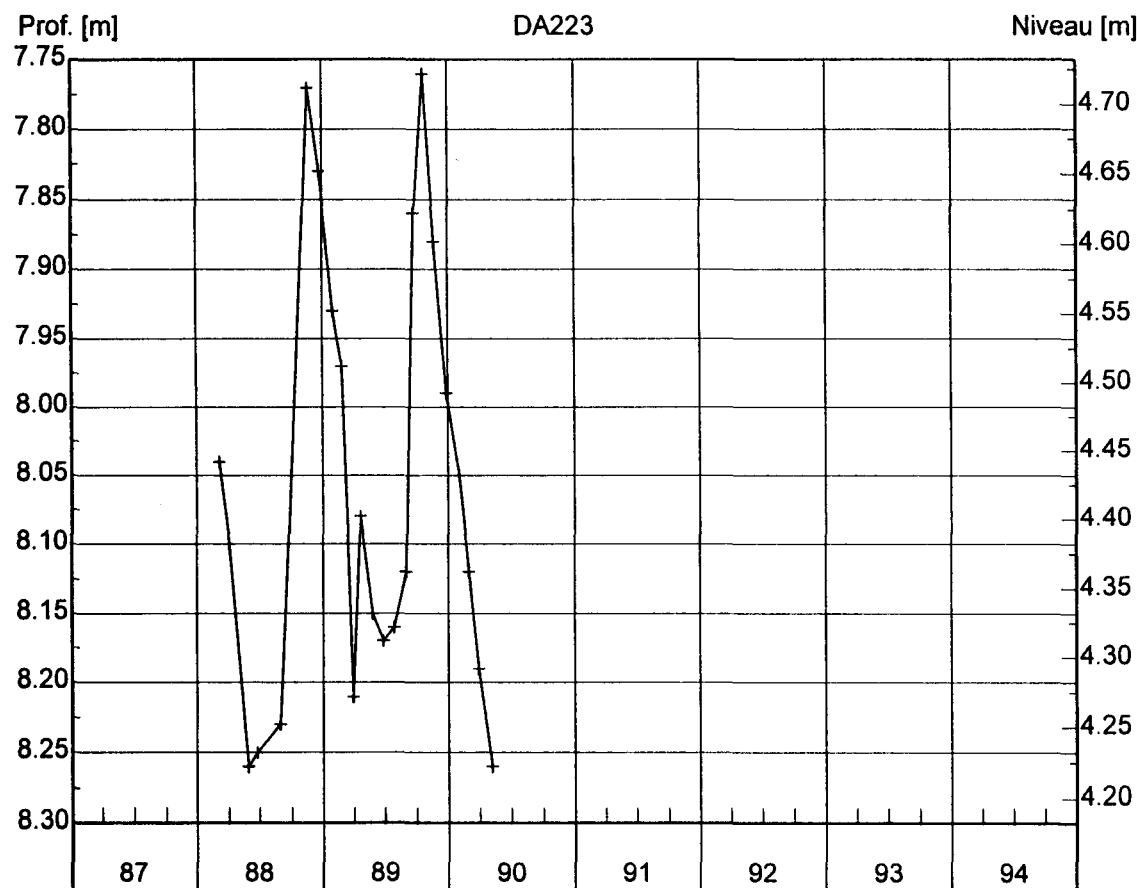
# VARIATION DU NIVEAU PIEZOMETRIQUE

|                     |             |                    |                            |                   |                    |
|---------------------|-------------|--------------------|----------------------------|-------------------|--------------------|
| Piézomètre<br>DA220 |             | Pays<br>Mauritanie |                            | Communauté rurale | Feuille : KAEDI 2B |
| X<br>690.0          | Y<br>1787.4 | Z<br>12.157        | Repère de mesure<br>13.157 |                   |                    |
| Coupe C9            |             |                    |                            |                   |                    |



# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                   |                    |
|----------------------------|-------------|--------------------|----------------------------|-------------------|--------------------|
| Piézomètre<br><b>DA223</b> |             | Pays<br>Mauritanie |                            | Communauté rurale | Feuille : KAEDI 2B |
| X<br>689.0                 | Y<br>1790.5 | Z<br>11.512        | Repère de mesure<br>12.482 |                   | Coupe C9           |



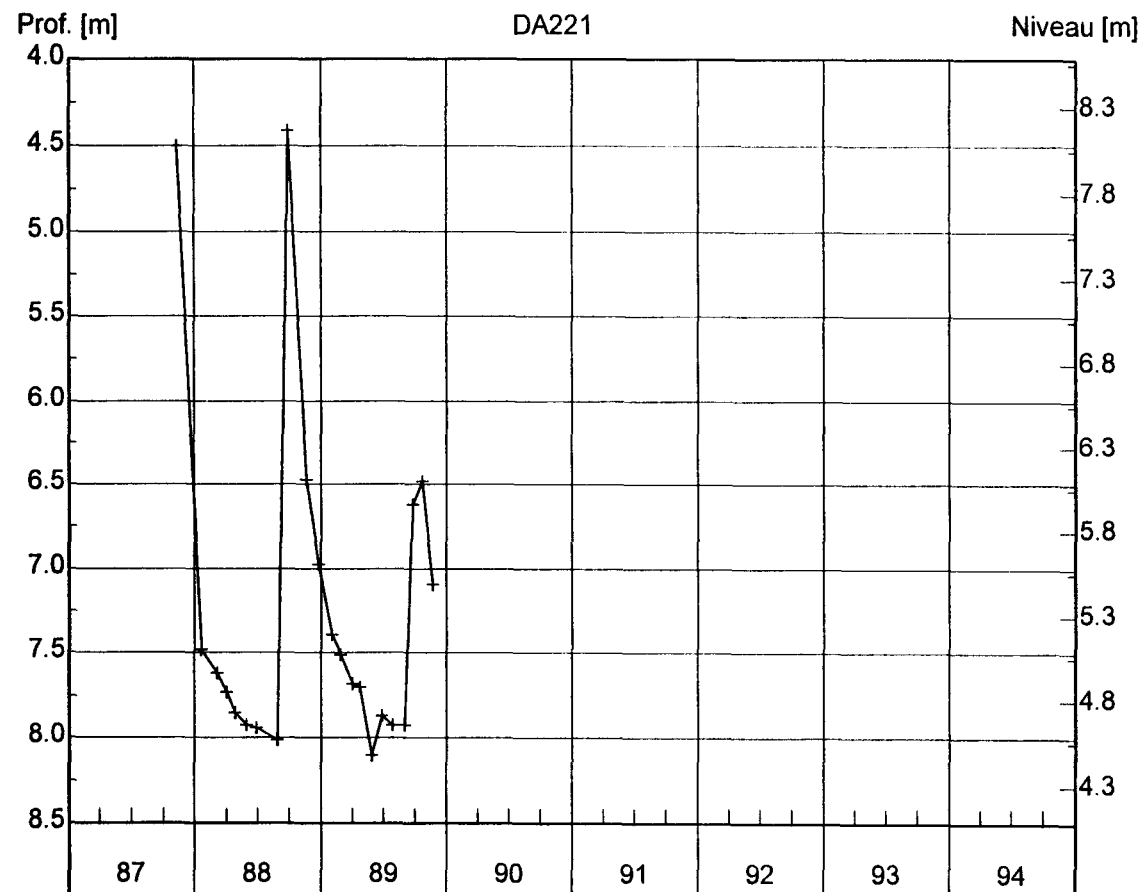
|                          |                     |
|--------------------------|---------------------|
| Prof<br>1640             | Annee<br>1987       |
| Fleuve<br>MARIGOT GORGOL | Dist eau<br>500     |
| Unite Geol<br>QT         | Unite Geom<br>M     |
| Limnim<br>14             | Dist Limn<br>30.000 |
| Pluviom<br>23            | Dist Pluv<br>30.000 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 5 03 1988  | 4.44   | 23 11 1989 | 4.60   |      |        |
| 2 04 1988  | 4.38   | 27 12 1989 | 4.49   |      |        |
| 28 05 1988 | 4.22   | 2 02 1990  | 4.43   |      |        |
| 24 06 1988 | 4.23   | 2 03 1990  | 4.36   |      |        |
| 28 08 1988 | 4.25   | 29 03 1990 | 4.29   |      |        |
| 20 11 1988 | 4.71   | 6 05 1990  | 4.22   |      |        |
| 22 12 1988 | 4.65   |            |        |      |        |
| 31 01 1989 | 4.55   |            |        |      |        |
| 28 02 1989 | 4.51   |            |        |      |        |
| 29 03 1989 | 4.27   |            |        |      |        |
| 22 04 1989 | 4.40   |            |        |      |        |
| 26 05 1989 | 4.33   |            |        |      |        |
| 25 06 1989 | 4.31   |            |        |      |        |
| 27 07 1989 | 4.32   |            |        |      |        |
| 31 08 1989 | 4.36   |            |        |      |        |
| 25 09 1989 | 4.62   |            |        |      |        |
| 23 10 1989 | 4.72   |            |        |      |        |



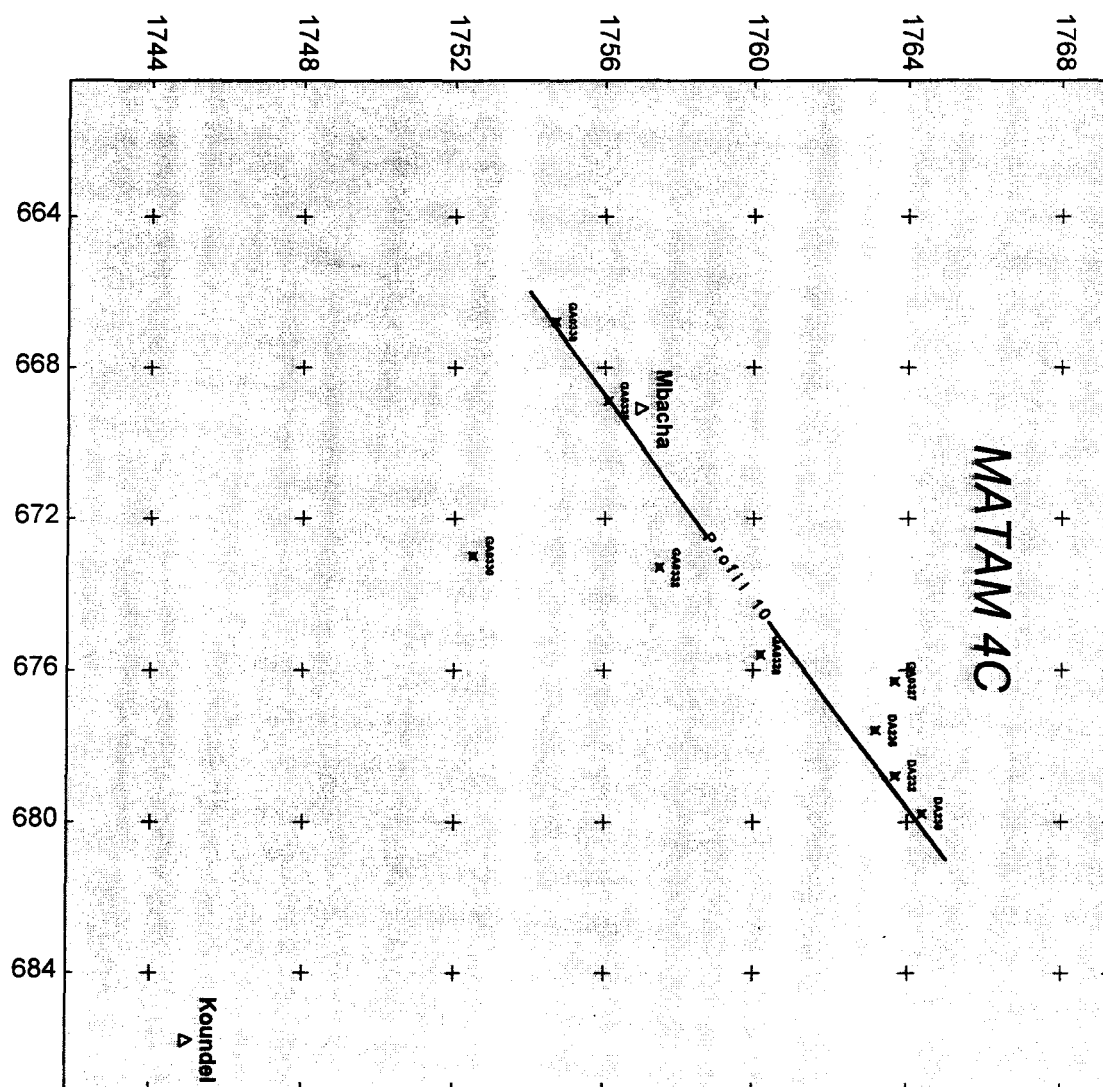
# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                    |
|----------------------------|-------------|--------------------|----------------------------|--------------------|
| Piézomètre<br><b>DA221</b> |             | Pays<br>Mauritanie | Communauté rurale          | Feuille : KAEDI 2B |
| X<br>688.7                 | Y<br>1791.9 | Z<br>11.588        | Repère de mesure<br>12.528 | Coupe C9           |

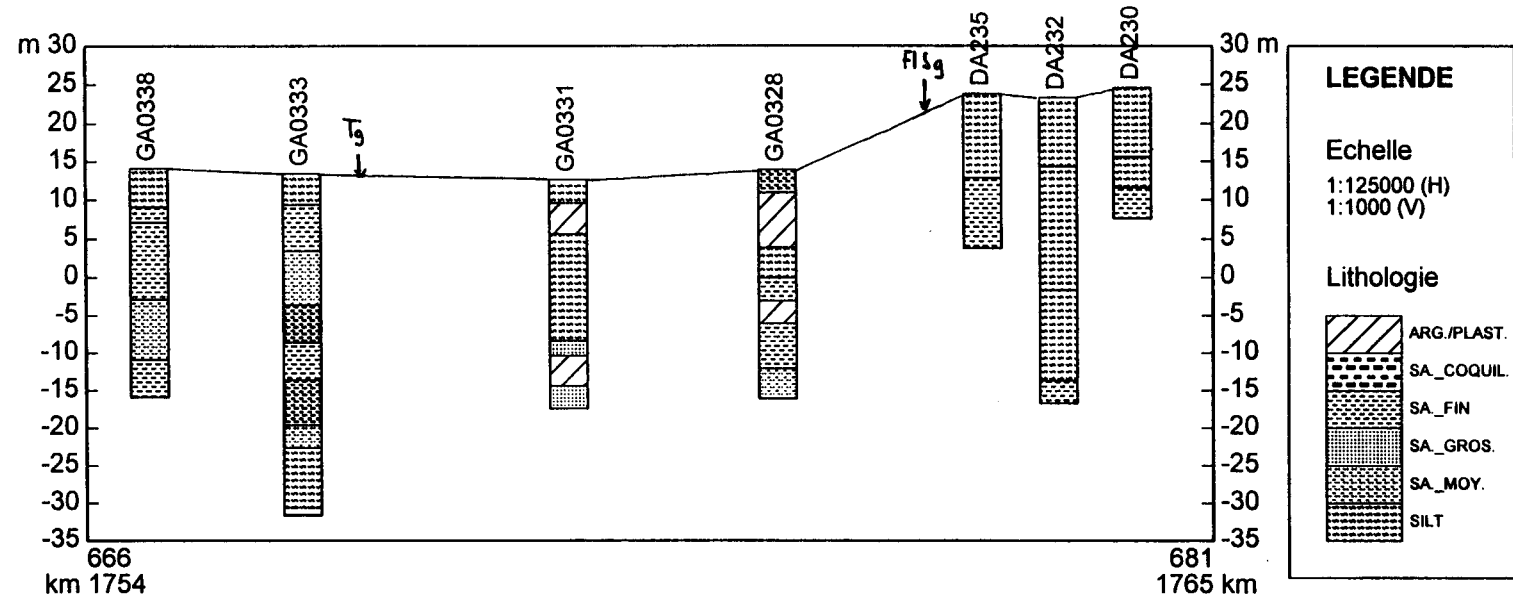


|                          |                     |
|--------------------------|---------------------|
| Prof<br>1450             | Annee<br>1987       |
| Fleuve<br>MARIGOT GORGOL | Dist eau<br>300     |
| Unite Geol<br>QT         | Unite Geom<br>A     |
| Limnim<br>14             | Dist Limn<br>31.100 |
| Pluviom<br>23            | Dist Pluv<br>31.100 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 11 11 1987 | 8.03   | 27 07 1989 | 4.61   |      |        |
| 20 01 1988 | 5.05   | 31 08 1989 | 4.61   |      |        |
| 5 03 1988  | 4.91   | 25 09 1989 | 5.91   |      |        |
| 2 04 1988  | 4.80   | 23 10 1989 | 6.05   |      |        |
| 26 04 1988 | 4.68   | 23 11 1989 | 5.44   |      |        |
| 28 05 1988 | 4.61   |            |        |      |        |
| 25 06 1988 | 4.59   |            |        |      |        |
| 26 08 1988 | 4.52   |            |        |      |        |
| 29 09 1988 | 8.12   |            |        |      |        |
| 20 11 1988 | 6.06   |            |        |      |        |
| 26 12 1988 | 5.56   |            |        |      |        |
| 1 02 1989  | 5.14   |            |        |      |        |
| 28 02 1989 | 5.02   |            |        |      |        |
| 31 03 1989 | 4.85   |            |        |      |        |
| 22 04 1989 | 4.83   |            |        |      |        |
| 26 05 1989 | 4.43   |            |        |      |        |
| 25 06 1989 | 4.66   |            |        |      |        |



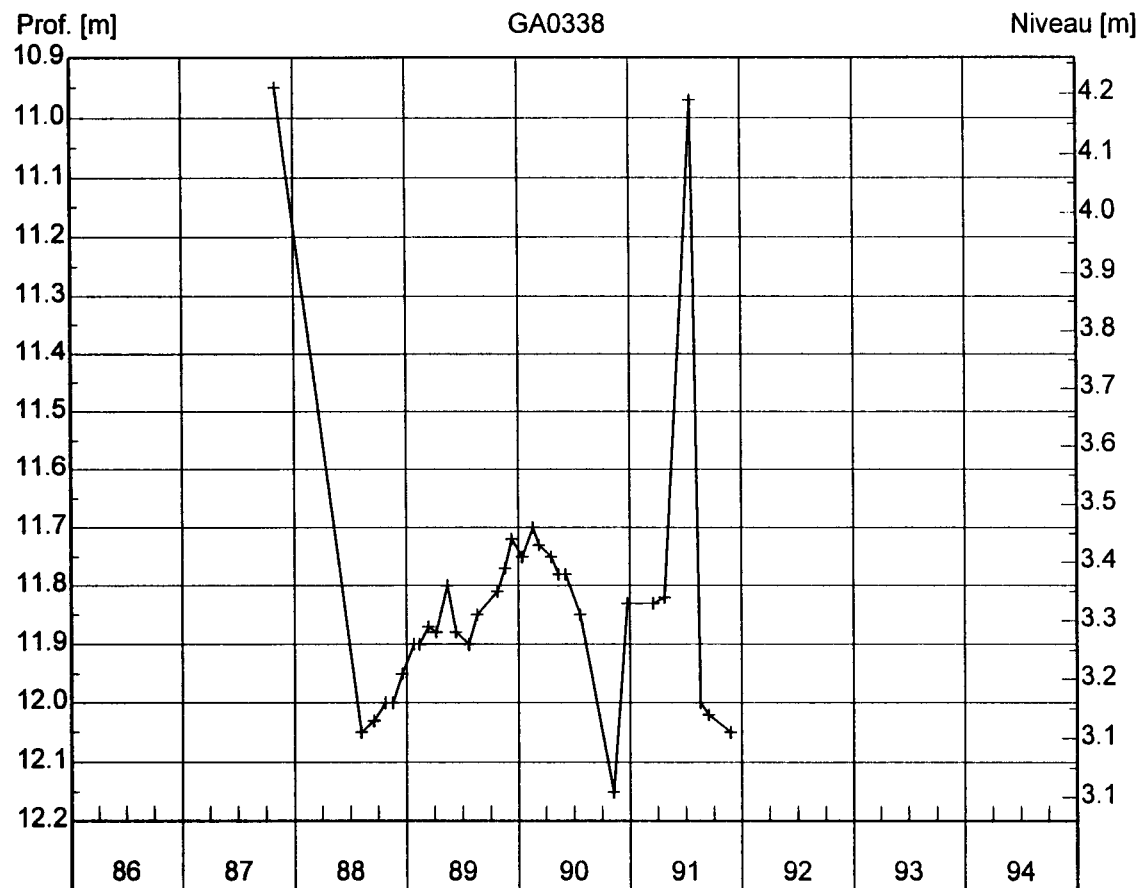
# **PROFIL LITHO-STRATIGRAPHIQUE C10 - MATAM 4C**



| idouv  | mtux  | mtuy   | z      | elreign | profouv | geolid | geomid | lgcrep | profhcre | descstrat  |
|--------|-------|--------|--------|---------|---------|--------|--------|--------|----------|------------|
| DA230  | 679.8 | 1764.4 | 24.65  | 25.69   | 1650    | QT     | A      | 100    | 1500     | SABLE FIN  |
| DA232  | 678.8 | 1763.7 | 23.392 | 24.392  | 3920    | QT     | M      | 100    | 3770     | SABLE FIN  |
| DA235  | 677.6 | 1763.2 | 23.837 | 24.887  | 1950    | QT     | E      | 100    | 1800     | SABLE FIN  |
| GA0328 | 675.6 | 1760.2 | 13.925 | 14.935  | 2960    | QT     | A      | 100    | 2810     | SABLE MOY  |
| GA0331 | 673.3 | 1757.5 | 12.662 | 13.632  | 2960    | QT     | O      | 100    | 2810     | SABLE GROS |
| GA0333 | 668.9 | 1756.1 | 13.499 | 14.459  | 4400    | M      | T      | 1500   | 2800     | SILT       |
| GA0338 | 666.8 | 1754.7 | 14.14  | 15.21   | 2940    | QT     | T      | 100    | 2790     | SABLE FIN  |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                           |
|-----------------------------|-------------|-----------------|----------------------------|---------------------------|
| Piézomètre<br><b>GA0338</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : <b>MATAM 4C</b> |
| X<br>666.8                  | Y<br>1754.7 | Z<br>14.140     | Repère de mesure<br>15.210 | Coupe C10                 |

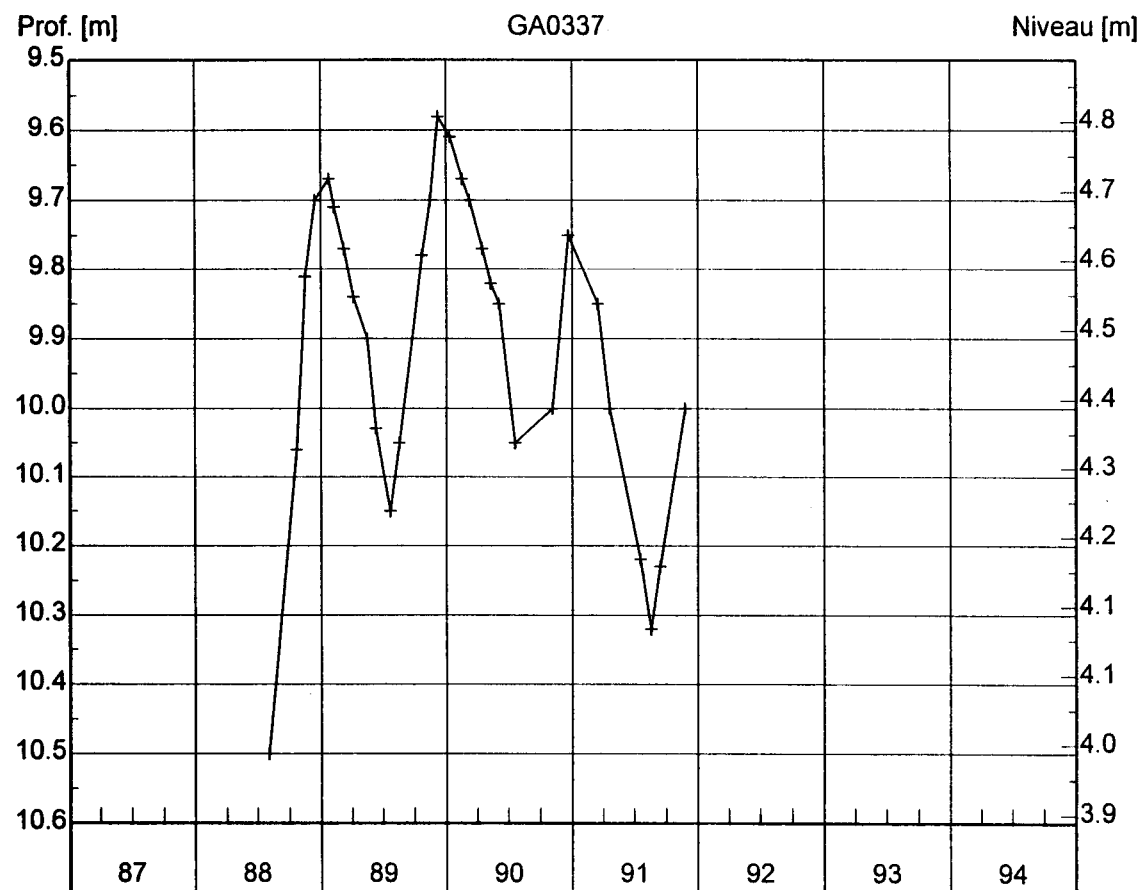


|                            |                     |
|----------------------------|---------------------|
| Prof<br>2940               | Annee<br>1987       |
| Fleuve<br>MAR. TIALOUGUEUL | Dist eau<br>3300    |
| Unite Geol<br>QT           | Unite Geom<br>T     |
| Limnim<br>14               | Dist Limn<br>30.500 |
| Pluviom<br>23              | Dist Pluv<br>30.500 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 3 11 1987  | 4.26   | 13 01 1990 | 3.46   |      |        |
| 3 08 1988  | 3.16   | 17 02 1990 | 3.51   |      |        |
| 15 09 1988 | 3.18   | 9 03 1990  | 3.48   |      |        |
| 23 10 1988 | 3.21   | 16 04 1990 | 3.46   |      |        |
| 15 11 1988 | 3.21   | 11 05 1990 | 3.43   |      |        |
| 15 12 1988 | 3.26   | 3 06 1990  | 3.43   |      |        |
| 25 01 1989 | 3.31   | 20 07 1990 | 3.36   |      |        |
| 10 02 1989 | 3.31   | 6 11 1990  | 3.06   |      |        |
| 11 03 1989 | 3.34   | 22 12 1990 | 3.38   |      |        |
| 6 04 1989  | 3.33   | 16 03 1991 | 3.38   |      |        |
| 14 05 1989 | 3.41   | 22 04 1991 | 3.39   |      |        |
| 10 06 1989 | 3.33   | 18 07 1991 | 4.24   |      |        |
| 22 07 1989 | 3.31   | 17 08 1991 | 3.21   |      |        |
| 17 08 1989 | 3.36   | 13 09 1991 | 3.19   |      |        |
| 23 10 1989 | 3.40   | 25 11 1991 | 3.16   |      |        |
| 16 11 1989 | 3.44   |            |        |      |        |
| 8 12 1989  | 3.49   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                      |             |                 |                            |                   |                    |
|----------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br>GA0337 |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : MATAM 4C |
| X<br>668.9           | Y<br>1756.1 | Z<br>13.468     | Repère de mesure<br>14.438 | Coupe C10         |                    |
|                      |             |                 |                            |                   |                    |

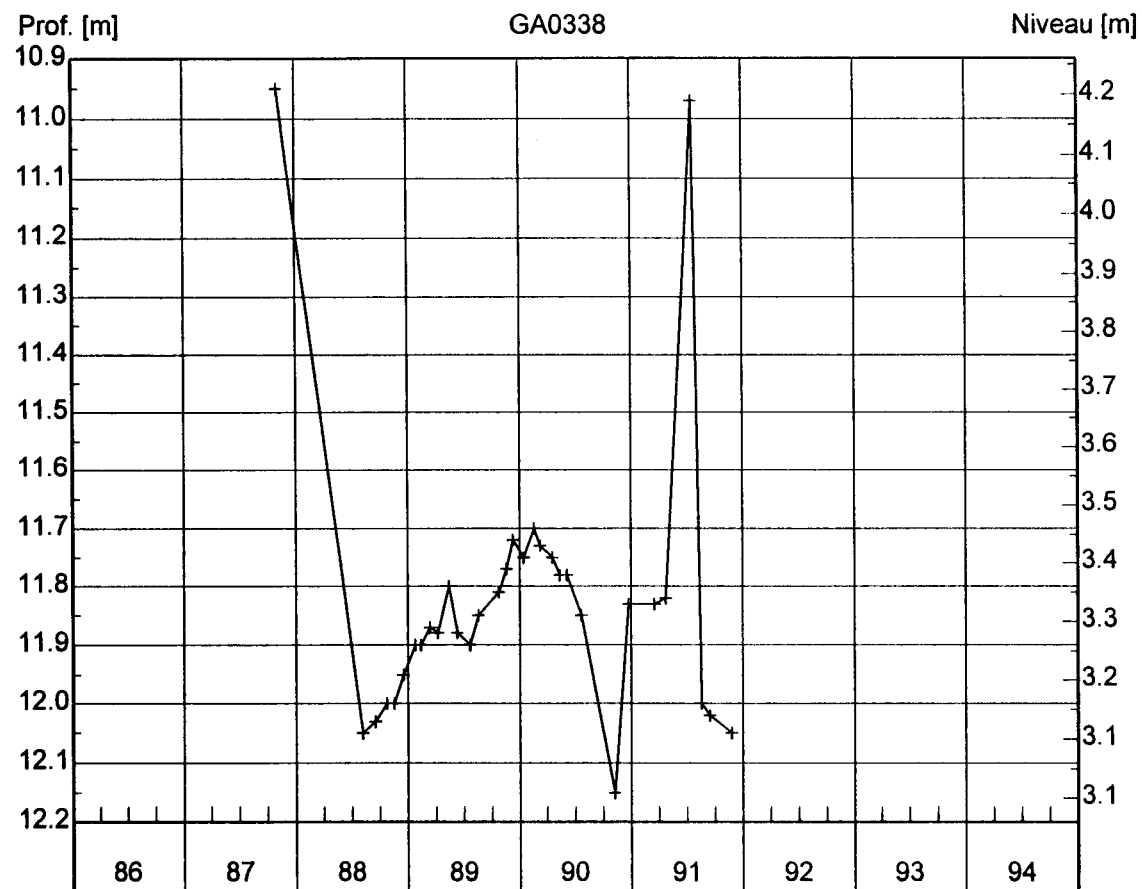


|                            |                     |
|----------------------------|---------------------|
| Prof<br>1150               | Annee<br>1987       |
| Fleuve<br>MAR. TIALOUGUEUL | Dist eau<br>978     |
| Unite Geol<br>QT           | Unite Geom<br>T     |
| Limnim<br>14               | Dist Limn<br>29.300 |
| Pluviom<br>23              | Dist Pluv<br>29.300 |

| Date       | Niveau | Date       | Niveau |
|------------|--------|------------|--------|
| 3 08 1988  | 3.94   | 9 03 1990  | 4.74   |
| 23 10 1988 | 4.38   | 16 04 1990 | 4.67   |
| 15 11 1988 | 4.63   | 11 05 1990 | 4.62   |
| 15 12 1988 | 4.74   | 3 06 1990  | 4.59   |
| 25 01 1989 | 4.77   | 20 07 1990 | 4.39   |
| 10 02 1989 | 4.73   | 6 11 1990  | 4.44   |
| 11 03 1989 | 4.67   | 22 12 1990 | 4.69   |
| 6 04 1989  | 4.60   | 16 03 1991 | 4.59   |
| 14 05 1989 | 4.54   | 22 04 1991 | 4.44   |
| 10 06 1989 | 4.41   | 18 07 1991 | 4.22   |
| 22 07 1989 | 4.29   | 17 08 1991 | 4.12   |
| 17 08 1989 | 4.39   | 13 09 1991 | 4.21   |
| 23 10 1989 | 4.66   | 25 11 1991 | 4.44   |
| 16 11 1989 | 4.74   |            |        |
| 8 12 1989  | 4.86   |            |        |
| 13 01 1990 | 4.83   |            |        |
| 17 02 1990 | 4.77   |            |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                           |
|-----------------------------|-------------|-----------------|----------------------------|---------------------------|
| Piézomètre<br><b>GA0338</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : <b>MATAM 4C</b> |
| X<br>666.8                  | Y<br>1754.7 | Z<br>14.140     | Repère de mesure<br>15.210 | Coupe C10                 |

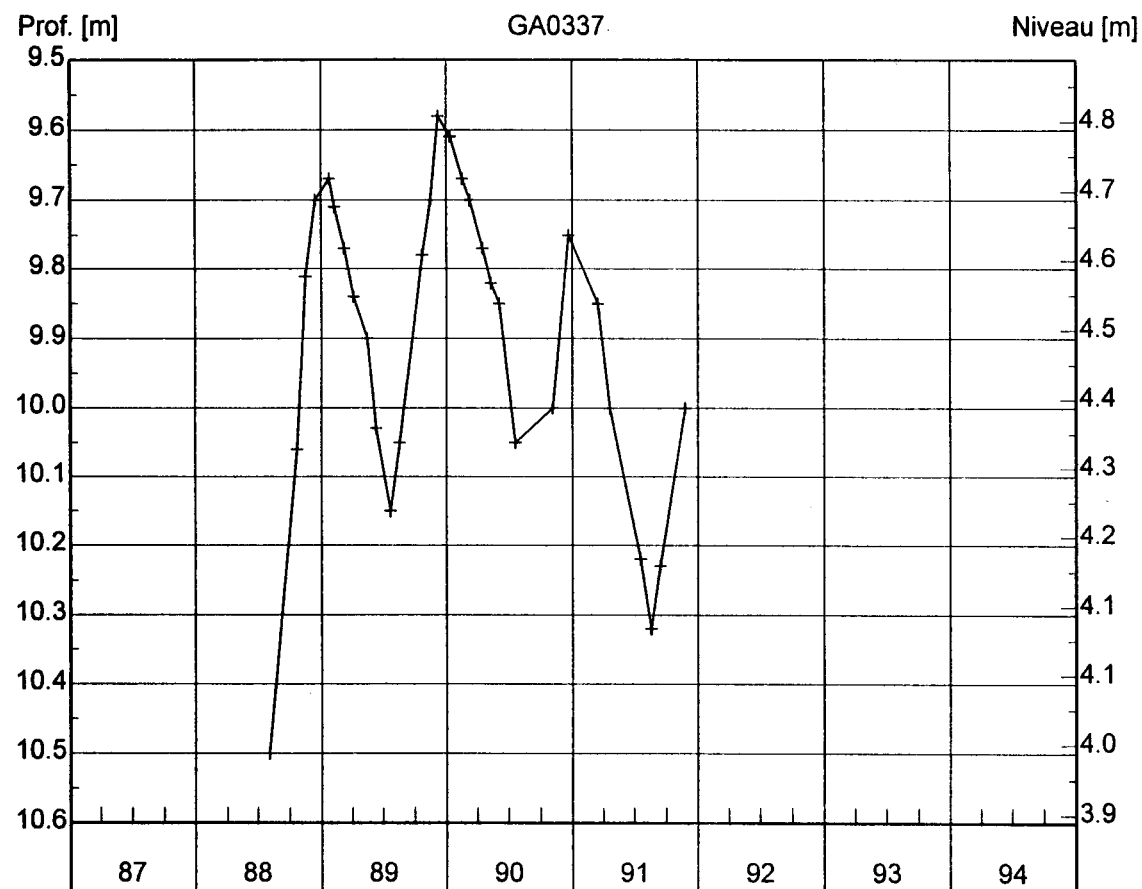


|                            |                     |
|----------------------------|---------------------|
| Prof<br>2940               | Annee<br>1987       |
| Fleuve<br>MAR. TIALOUGUEUL | Dist eau<br>3300    |
| Unite Geol<br>QT           | Unite Geom<br>T     |
| Limnim<br>14               | Dist Limn<br>30.500 |
| Pluviom<br>23              | Dist Pluv<br>30.500 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 3 11 1987  | 4.26   | 13 01 1990 | 3.46   |      |        |
| 3 08 1988  | 3.16   | 17 02 1990 | 3.51   |      |        |
| 15 09 1988 | 3.18   | 9 03 1990  | 3.48   |      |        |
| 23 10 1988 | 3.21   | 16 04 1990 | 3.46   |      |        |
| 15 11 1988 | 3.21   | 11 05 1990 | 3.43   |      |        |
| 15 12 1988 | 3.26   | 3 06 1990  | 3.43   |      |        |
| 25 01 1989 | 3.31   | 20 07 1990 | 3.36   |      |        |
| 10 02 1989 | 3.31   | 6 11 1990  | 3.06   |      |        |
| 11 03 1989 | 3.34   | 22 12 1990 | 3.38   |      |        |
| 6 04 1989  | 3.33   | 16 03 1991 | 3.38   |      |        |
| 14 05 1989 | 3.41   | 22 04 1991 | 3.39   |      |        |
| 10 06 1989 | 3.33   | 18 07 1991 | 4.24   |      |        |
| 22 07 1989 | 3.31   | 17 08 1991 | 3.21   |      |        |
| 17 08 1989 | 3.36   | 13 09 1991 | 3.19   |      |        |
| 23 10 1989 | 3.40   | 25 11 1991 | 3.16   |      |        |
| 16 11 1989 | 3.44   |            |        |      |        |
| 8 12 1989  | 3.49   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                      |             |                 |                            |                   |                    |
|----------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br>GA0337 |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : MATAM 4C |
| X<br>668.9           | Y<br>1756.1 | Z<br>13.468     | Repère de mesure<br>14.438 | Coupe C10         |                    |
|                      |             |                 |                            |                   |                    |



|                            |                     |
|----------------------------|---------------------|
| Prof<br>1150               | Annee<br>1987       |
| Fleuve<br>MAR. TIALOUGUEUL | Dist eau<br>978     |
| Unite Geol<br>QT           | Unite Geom<br>T     |
| Limnim<br>14               | Dist Limn<br>29.300 |
| Pluviom<br>23              | Dist Pluv<br>29.300 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 3 08 1988  | 3.94   | 9 03 1990  | 4.74   |      |        |
| 23 10 1988 | 4.38   | 16 04 1990 | 4.67   |      |        |
| 15 11 1988 | 4.63   | 11 05 1990 | 4.62   |      |        |
| 15 12 1988 | 4.74   | 3 06 1990  | 4.59   |      |        |
| 25 01 1989 | 4.77   | 20 07 1990 | 4.39   |      |        |
| 10 02 1989 | 4.73   | 6 11 1990  | 4.44   |      |        |
| 11 03 1989 | 4.67   | 22 12 1990 | 4.69   |      |        |
| 6 04 1989  | 4.60   | 16 03 1991 | 4.59   |      |        |
| 14 05 1989 | 4.54   | 22 04 1991 | 4.44   |      |        |
| 10 06 1989 | 4.41   | 18 07 1991 | 4.22   |      |        |
| 22 07 1989 | 4.29   | 17 08 1991 | 4.12   |      |        |
| 17 08 1989 | 4.39   | 13 09 1991 | 4.21   |      |        |
| 23 10 1989 | 4.66   | 25 11 1991 | 4.44   |      |        |
| 16 11 1989 | 4.74   |            |        |      |        |
| 8 12 1989  | 4.86   |            |        |      |        |
| 13 01 1990 | 4.83   |            |        |      |        |
| 17 02 1990 | 4.77   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                   |                           |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|---------------------------|
| Piézomètre<br><b>GA0334</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : <b>MATAM 4C</b> |
| X<br>668.9                  | Y<br>1756.1 | Z<br>13.497     | Repère de mesure<br>14.537 |                   | Coupe C10                 |



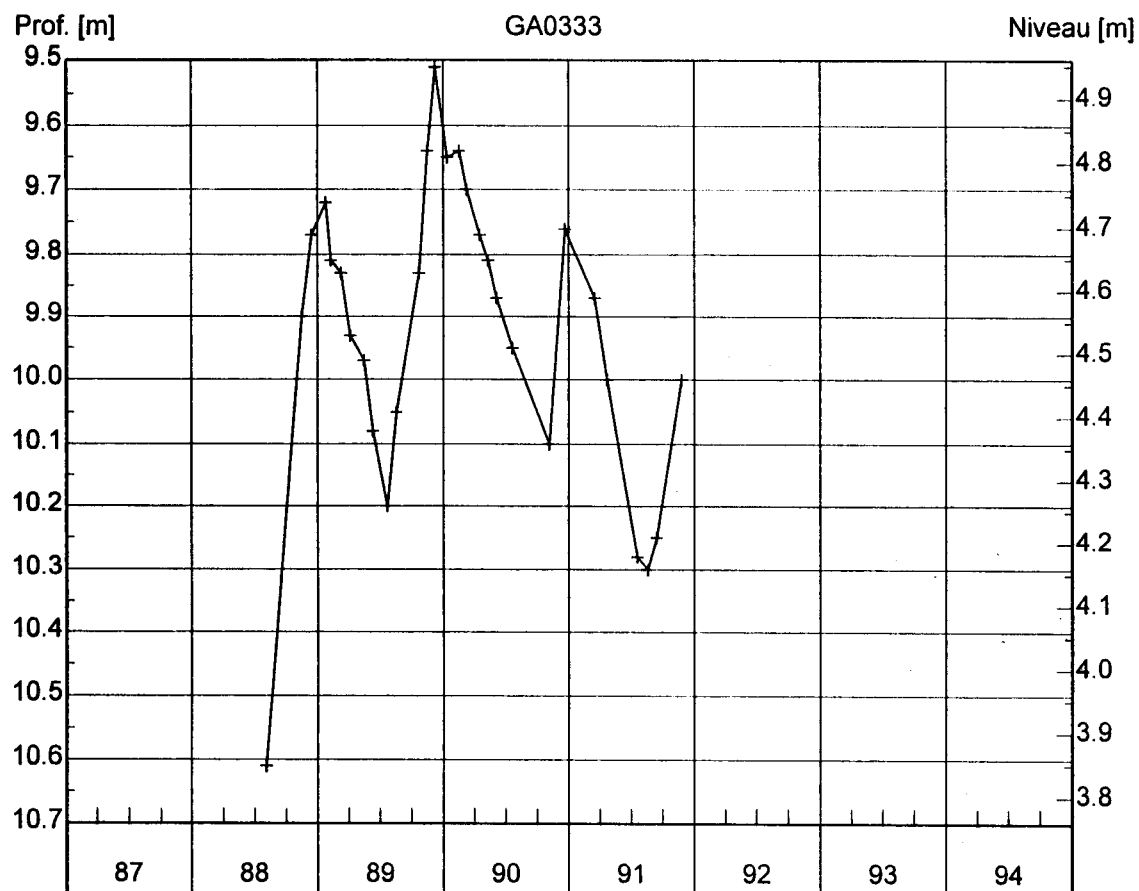
|                            |                     |
|----------------------------|---------------------|
| Prof<br>2930               | Annee<br>1987       |
| Fleuve<br>MAR. TIALOUGUEUL | Dist eau<br>963     |
| Unite Geol<br>QT           | Unite Geom<br>T     |
| Limnim<br>14               | Dist Limn<br>29.300 |
| Pluviom<br>23              | Dist Pluv<br>29.300 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 3 08 1988  | 3.94   | 16 04 1990 | 4.74   |      |        |
| 15 11 1988 | 4.69   | 11 05 1990 | 4.70   |      |        |
| 15 12 1988 | 4.75   | 3 06 1990  | 4.70   |      |        |
| 25 01 1989 | 4.84   | 20 07 1990 | 4.48   |      |        |
| 10 02 1989 | 4.78   | 6 11 1990  | 4.39   |      |        |
| 11 03 1989 | 4.76   | 22 12 1990 | 4.74   |      |        |
| 06 04 1989 | 4.66   | 16 03 1991 | 4.54   |      |        |
| 14 05 1989 | 4.64   | 22 04 1991 | 4.34   |      |        |
| 10 06 1989 | 4.53   | 18 07 1991 | 4.26   |      |        |
| 22 07 1989 | 4.43   | 17 08 1991 | 4.20   |      |        |
| 17 08 1989 | 4.44   | 13 09 1991 | 4.24   |      |        |
| 23 10 1989 | 4.69   | 25 11 1991 | 4.54   |      |        |
| 16 11 1989 | 4.89   |            |        |      |        |
| 08 12 1989 | 4.92   |            |        |      |        |
| 13 01 1990 | 4.96   |            |        |      |        |
| 17 02 1990 | 4.89   |            |        |      |        |
| 09 03 1990 | 4.81   |            |        |      |        |



# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                      |             |                 |                            |                   |                    |
|----------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br>GA0333 |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : MATAM 4C |
| X<br>668.9           | Y<br>1756.1 | Z<br>13.499     | Repère de mesure<br>14.459 |                   |                    |
| Coupe C10            |             |                 |                            |                   |                    |

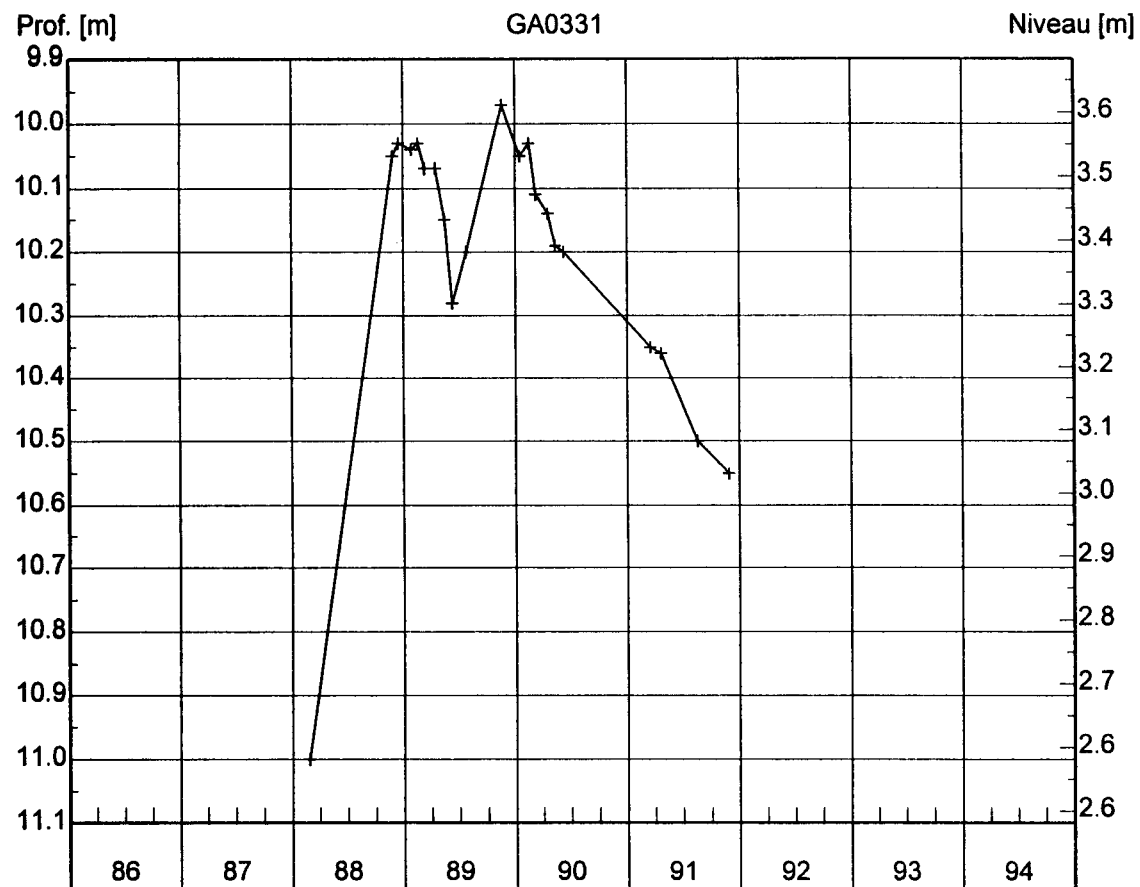


|                           |  |                     |                 |
|---------------------------|--|---------------------|-----------------|
| Prof<br>4400              |  | Annee<br>1987       |                 |
| Fleuve<br>MAR.TIALOUGUEUL |  |                     | Dist eau<br>958 |
| Unite Geol<br>M           |  | Unite Geom<br>T     |                 |
| Limnim<br>14              |  | Dist Limn<br>29.300 |                 |
| Pluviom<br>23             |  | Dist Pluv<br>29.300 |                 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 3 08 1988  | 3.85   | 16 04 1990 | 4.69   |      |        |
| 15 11 1988 | 4.56   | 11 05 1990 | 4.65   |      |        |
| 15 12 1988 | 4.69   | 3 06 1990  | 4.59   |      |        |
| 25 01 1989 | 4.74   | 20 07 1990 | 4.51   |      |        |
| 10 02 1989 | 4.65   | 6 11 1990  | 4.36   |      |        |
| 11 03 1989 | 4.63   | 22 12 1990 | 4.70   |      |        |
| 6 04 1989  | 4.53   | 16 03 1991 | 4.59   |      |        |
| 14 05 1989 | 4.49   | 22 04 1991 | 4.46   |      |        |
| 10 06 1989 | 4.38   | 18 07 1991 | 4.18   |      |        |
| 22 07 1989 | 4.26   | 17 08 1991 | 4.16   |      |        |
| 17 08 1989 | 4.41   | 13 09 1991 | 4.21   |      |        |
| 23 10 1989 | 4.63   | 25 11 1991 | 4.46   |      |        |
| 16 11 1989 | 4.82   |            |        |      |        |
| 8 12 1989  | 4.95   |            |        |      |        |
| 13 01 1990 | 4.81   |            |        |      |        |
| 17 02 1990 | 4.82   |            |        |      |        |
| 9 03 1990  | 4.76   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                      |             |                 |                            |                   |                    |
|----------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br>GA0331 |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : MATAM 4C |
| X<br>673.3           | Y<br>1757.5 | Z<br>12.662     | Repère de mesure<br>13.632 |                   |                    |
| Coupe C10            |             |                 |                            |                   |                    |

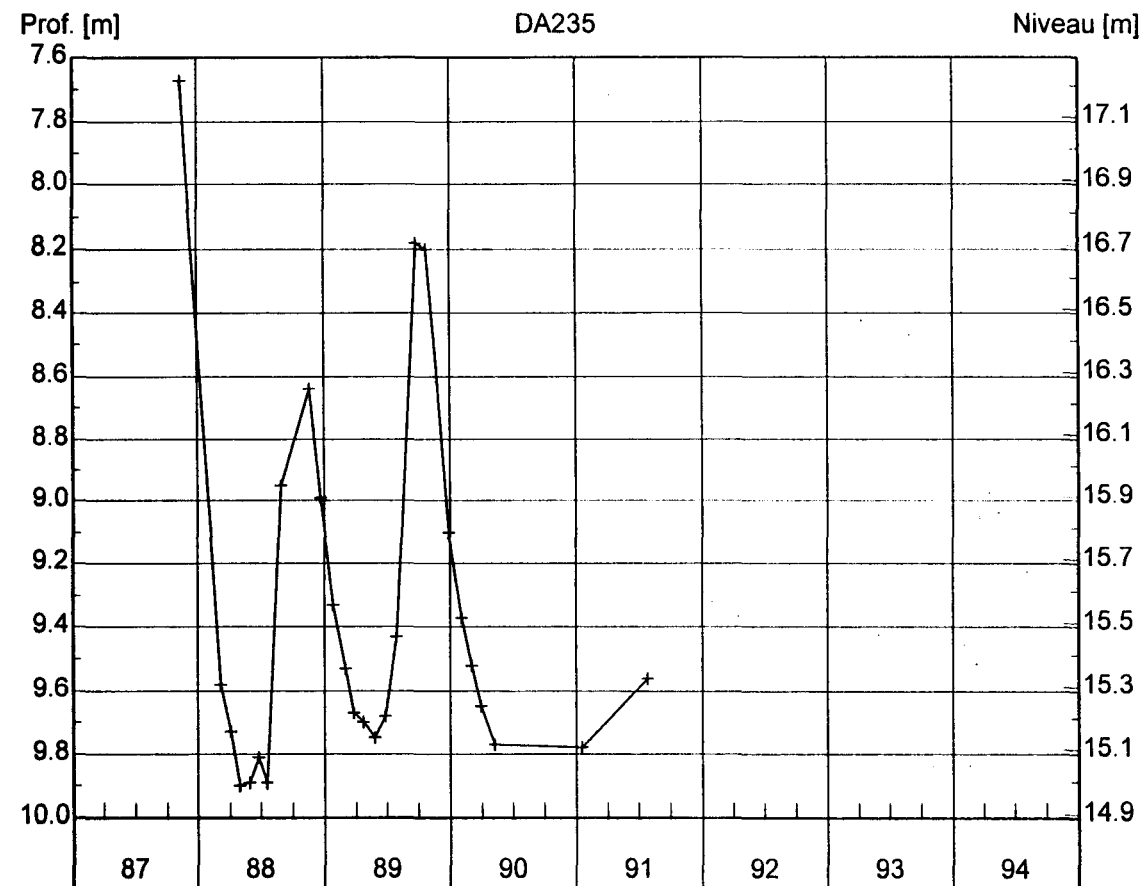


|                       |                     |
|-----------------------|---------------------|
| Prof<br>2960          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>4800    |
| Unite Geol<br>QT      | Unite Geom<br>O     |
| Limnim<br>14          | Dist Limn<br>29.900 |
| Pluviom<br>23         | Dist Pluv<br>29.900 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 24 02 1988 | 2.63   | 16 03 1991 | 3.28   |      |        |
| 25 11 1988 | 3.58   | 22 04 1991 | 3.27   |      |        |
| 15 12 1988 | 3.60   | 17 08 1991 | 3.13   |      |        |
| 27 01 1989 | 3.59   | 26 11 1991 | 3.08   |      |        |
| 18 02 1989 | 3.60   |            |        |      |        |
| 13 03 1989 | 3.56   |            |        |      |        |
| 16 04 1989 | 3.56   |            |        |      |        |
| 15 05 1989 | 3.48   |            |        |      |        |
| 10 06 1989 | 3.35   |            |        |      |        |
| 23 07 1989 | 3.43   |            |        |      |        |
| 17 11 1989 | 3.66   |            |        |      |        |
| 15 01 1990 | 3.58   |            |        |      |        |
| 14 02 1990 | 3.60   |            |        |      |        |
| 9 03 1990  | 3.52   |            |        |      |        |
| 16 04 1990 | 3.49   |            |        |      |        |
| 12 05 1990 | 3.44   |            |        |      |        |
| 7 06 1990  | 3.43   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                           |
|----------------------------|-------------|--------------------|----------------------------|---------------------------|
| Piézomètre<br><b>DA235</b> |             | Pays<br>Mauritanie | Communauté rurale          | Feuille : <b>MATAM 4C</b> |
| X<br>677.6                 | Y<br>1763.2 | Z<br>23.837        | Repère de mesure<br>24.887 | Coupe C10                 |

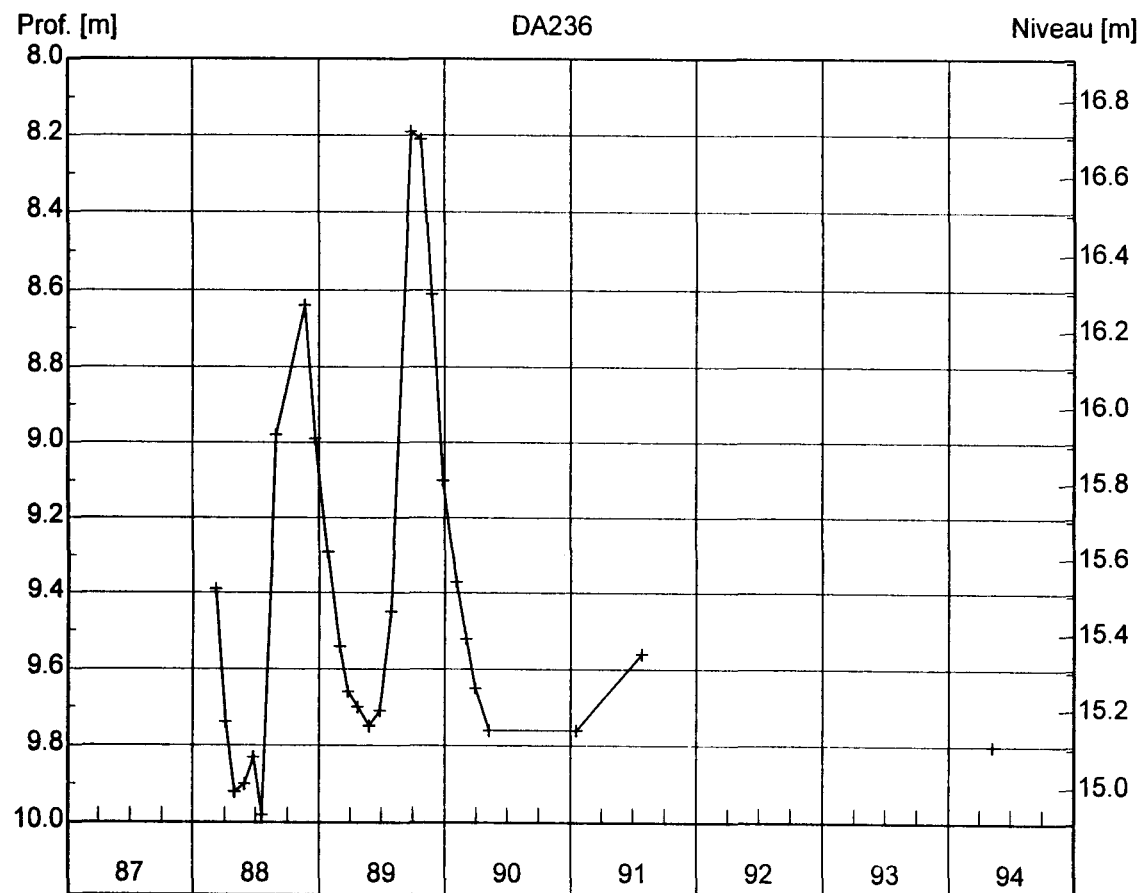


|                       |                     |
|-----------------------|---------------------|
| Prof<br>1950          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>300     |
| Unite Geol<br>QT      | Unite Geom<br>E     |
| Limnim<br>14          | Dist Limn<br>27.600 |
| Pluviom<br>23         | Dist Pluv<br>27.600 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 13 11 1987 | 17.22  | 26 09 1989 | 16.71  |      |        |
| 6 03 1988  | 15.31  | 24 10 1989 | 16.69  |      |        |
| 3 04 1988  | 15.16  | 24 11 1989 | 16.29  |      |        |
| 29 04 1988 | 14.99  | 28 12 1989 | 15.79  |      |        |
| 29 05 1988 | 15.00  | 3 02 1990  | 15.52  |      |        |
| 23 06 1988 | 15.08  | 3 03 1990  | 15.37  |      |        |
| 17 07 1988 | 15.00  | 30 03 1990 | 15.24  |      |        |
| 29 08 1988 | 15.34  | 8 05 1990  | 15.12  |      |        |
| 21 11 1988 | 16.25  | 17 01 1991 | 15.11  |      |        |
| 20 12 1988 | 15.90  | 26 07 1991 | 15.33  |      |        |
| 25 01 1989 | 15.56  |            |        |      |        |
| 1 03 1989  | 15.36  |            |        |      |        |
| 25 03 1989 | 15.22  |            |        |      |        |
| 24 04 1989 | 15.19  |            |        |      |        |
| 27 05 1989 | 15.14  |            |        |      |        |
| 26 06 1989 | 15.21  |            |        |      |        |
| 28 07 1989 | 15.46  |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                   |                           |
|----------------------------|-------------|--------------------|----------------------------|-------------------|---------------------------|
| Piézomètre<br><b>DA236</b> |             | Pays<br>Mauritanie |                            | Communauté rurale | Feuille : <b>MATAM 4C</b> |
| X<br>677.6                 | Y<br>1763.2 | Z<br>23.908        | Repère de mesure<br>24.908 |                   | Coupe C10                 |

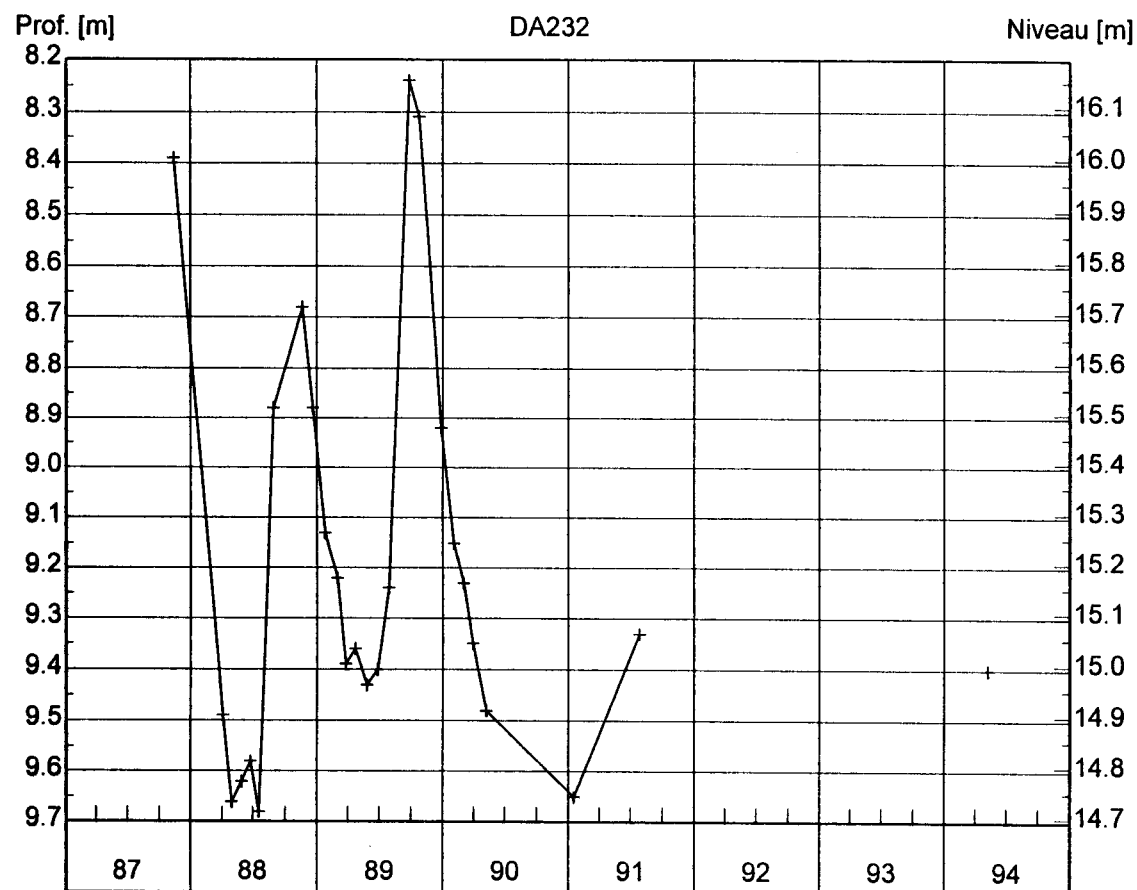


|                       |                     |
|-----------------------|---------------------|
| Prof<br>1820          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>300     |
| Unite Geol<br>QT      | Unite Geom<br>E     |
| Limnim<br>14          | Dist Limn<br>27.600 |
| Pluviom<br>23         | Dist Pluv<br>27.600 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 6 03 1988  | 15.52  | 24 10 1989 | 16.70  |      |        |
| 3 04 1988  | 15.17  | 24 11 1989 | 16.30  |      |        |
| 29 04 1988 | 14.99  | 28 12 1989 | 15.81  |      |        |
| 29 05 1988 | 15.01  | 3 02 1990  | 15.54  |      |        |
| 23 06 1988 | 15.08  | 3 03 1990  | 15.39  |      |        |
| 17 07 1988 | 14.93  | 30 03 1990 | 15.26  |      |        |
| 29 08 1988 | 15.93  | 8 05 1990  | 15.15  |      |        |
| 21 11 1988 | 16.27  | 17 01 1991 | 15.15  |      |        |
| 20 12 1988 | 15.92  | 26 07 1991 | 15.35  |      |        |
| 25 01 1989 | 15.62  | 8 05 1994  | 15.11  |      |        |
| 1 03 1989  | 15.37  |            |        |      |        |
| 25 03 1989 | 15.25  |            |        |      |        |
| 24 04 1989 | 15.21  |            |        |      |        |
| 27 05 1989 | 15.16  |            |        |      |        |
| 26 06 1989 | 15.20  |            |        |      |        |
| 28 07 1989 | 15.46  |            |        |      |        |
| 26 09 1989 | 16.72  |            |        |      |        |

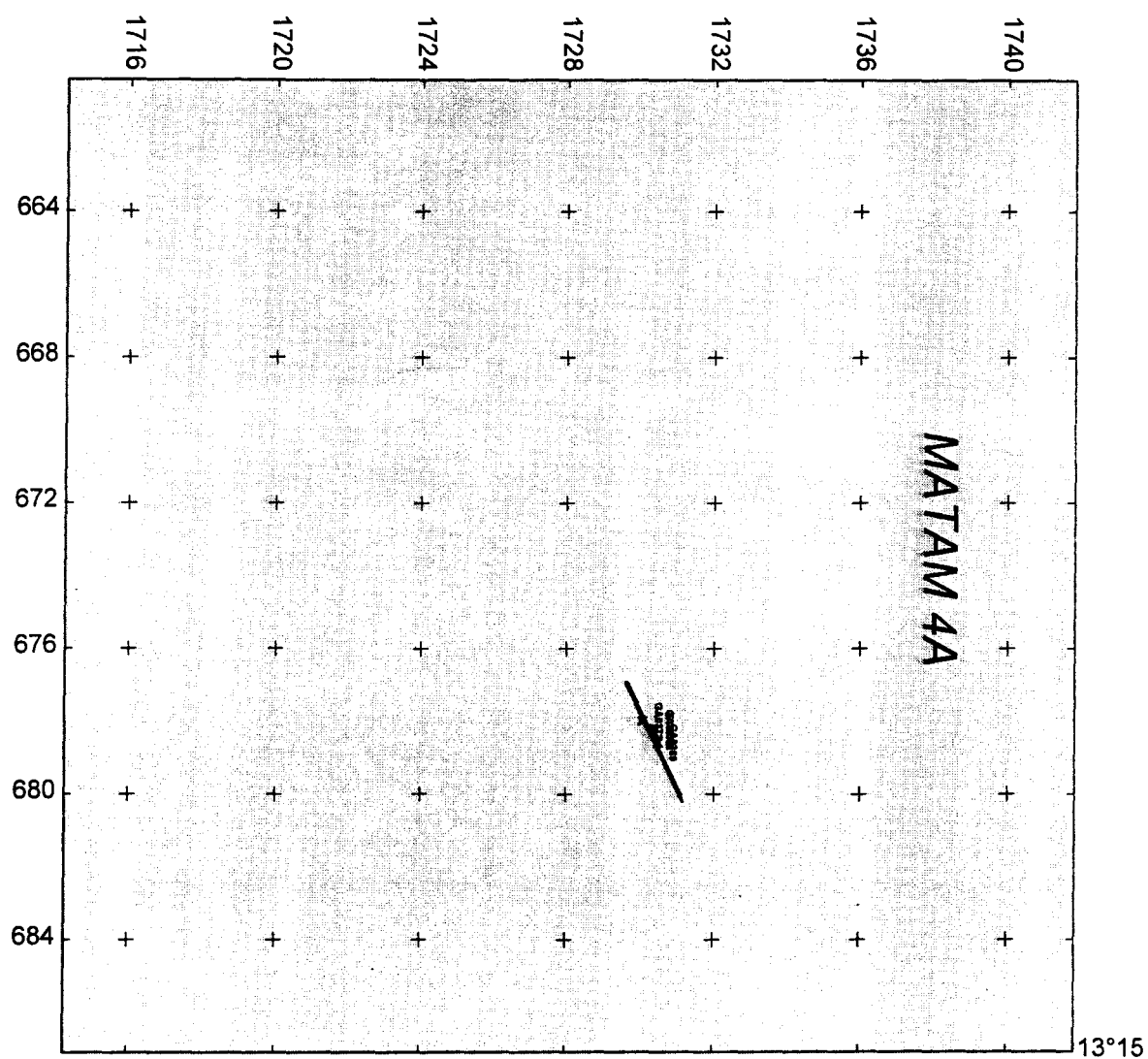
# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                   |                           |
|----------------------------|-------------|--------------------|----------------------------|-------------------|---------------------------|
| Piézomètre<br><b>DA232</b> |             | Pays<br>Mauritanie |                            | Communauté rurale | Feuille : <b>MATAM 4C</b> |
| X<br>678.8                 | Y<br>1763.7 | Z<br>23.392        | Repère de mesure<br>24.392 |                   | Coupe C10                 |

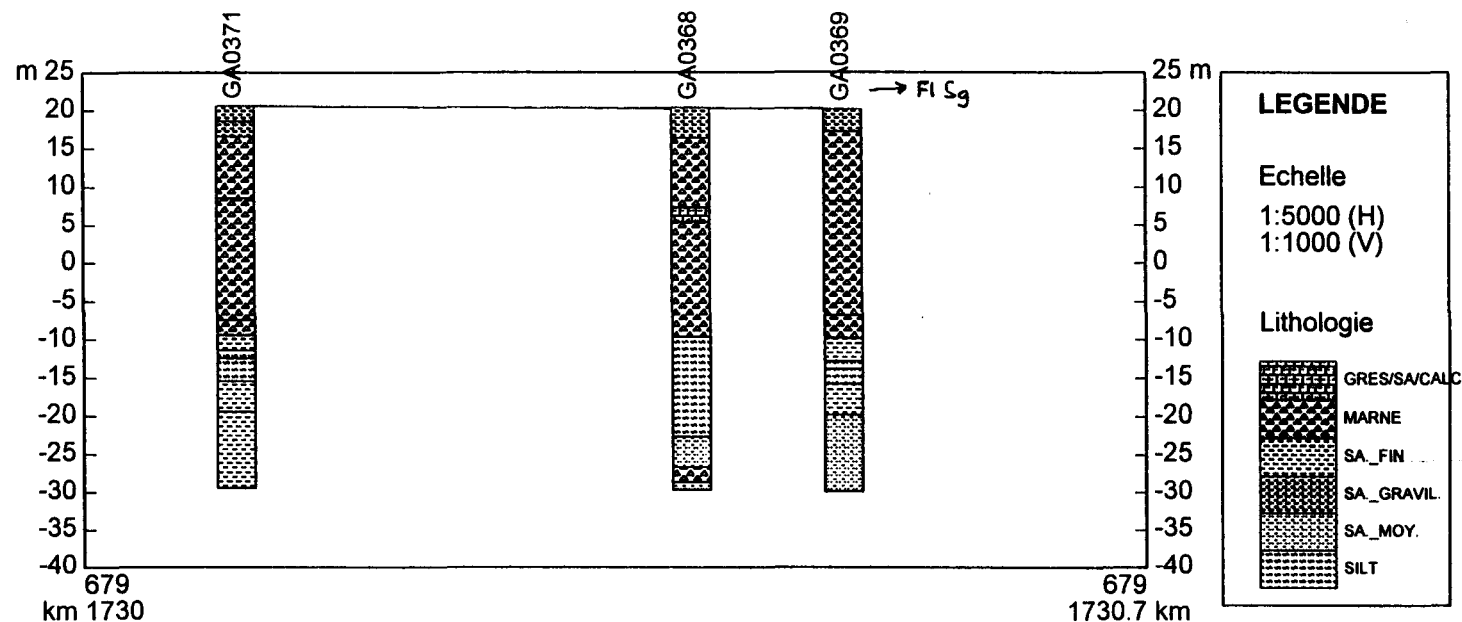


|                       |                     |
|-----------------------|---------------------|
| Prof<br>3920          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>1500    |
| Unite Geol<br>QT      | Unite Geom<br>M     |
| Limnim<br>14          | Dist Limn<br>27.700 |
| Pluviom<br>23         | Dist Pluv<br>27.700 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 13 11 1987 | 16.00  | 24 10 1989 | 16.08  |      |        |
| 3 04 1988  | 14.90  | 24 11 1989 | 15.79  |      |        |
| 29 04 1988 | 14.73  | 28 12 1989 | 15.47  |      |        |
| 29 05 1988 | 14.77  | 3 02 1990  | 15.24  |      |        |
| 23 06 1988 | 14.81  | 3 03 1990  | 15.16  |      |        |
| 17 07 1988 | 14.71  | 30 03 1990 | 15.04  |      |        |
| 29 08 1988 | 15.51  | 8 05 1990  | 14.91  |      |        |
| 21 11 1988 | 15.71  | 17 01 1991 | 14.74  |      |        |
| 20 12 1988 | 15.51  | 26 07 1991 | 15.06  |      |        |
| 25 01 1989 | 15.26  | 8 05 1994  | 14.99  |      |        |
| 1 03 1989  | 15.17  |            |        |      |        |
| 25 03 1989 | 15.00  |            |        |      |        |
| 24 04 1989 | 15.03  |            |        |      |        |
| 27 05 1989 | 14.96  |            |        |      |        |
| 26 06 1989 | 14.99  |            |        |      |        |
| 28 07 1989 | 15.15  |            |        |      |        |
| 26 09 1989 | 16.15  |            |        |      |        |



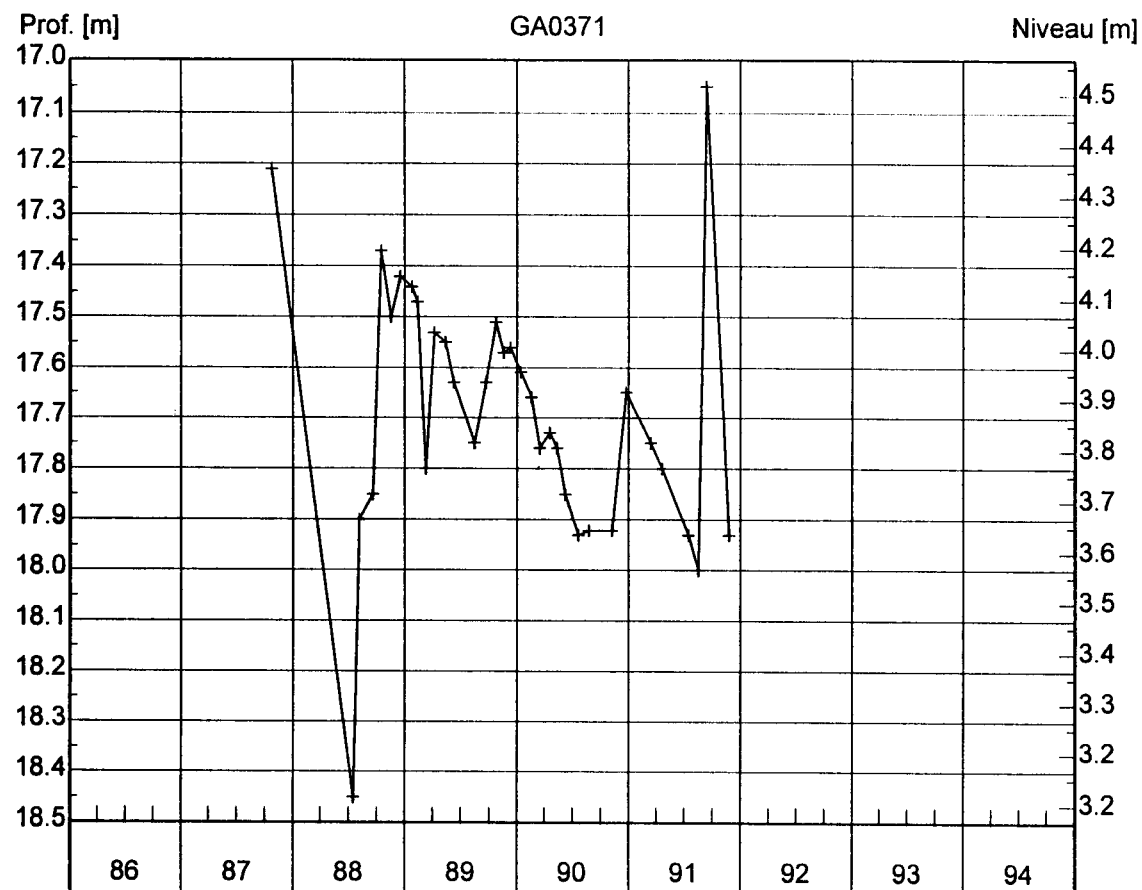
# **PROFIL LITHO-STRATIGRAPHIQUE C11 - MATAM 4A**



| idouv  | mtux  | mtuy   | z      | elrepign | profouv | geolid | geomid | lgcrep | profhcre | descstrat |
|--------|-------|--------|--------|----------|---------|--------|--------|--------|----------|-----------|
| GA0365 | 687.3 | 1732.8 | 15.728 | 16.728   | 4930    | EC     | O      | 100    | 4780     | SABLE FIN |
| GA0368 | 678.3 | 1730.4 | 20.458 | 21.468   | 4930    | M      | T      | 100    | 4730     | SABLE MOY |
| GA0369 | 678.6 | 1730.5 | 20.263 | 21.233   | 4930    | M      | T      | 100    | 4780     | SABLE MOY |
| GA0371 | 678   | 1730.1 | 20.626 | 21.616   | 4910    | M      | X      | 100    | 4710     | SABLE FIN |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                           |
|-----------------------------|-------------|-----------------|----------------------------|---------------------------|
| Piézomètre<br><b>GA0371</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : <b>MATAM 4A</b> |
| X<br>678.0                  | Y<br>1730.1 | Z<br>20.626     | Repère de mesure<br>21.616 | Coupe C11                 |



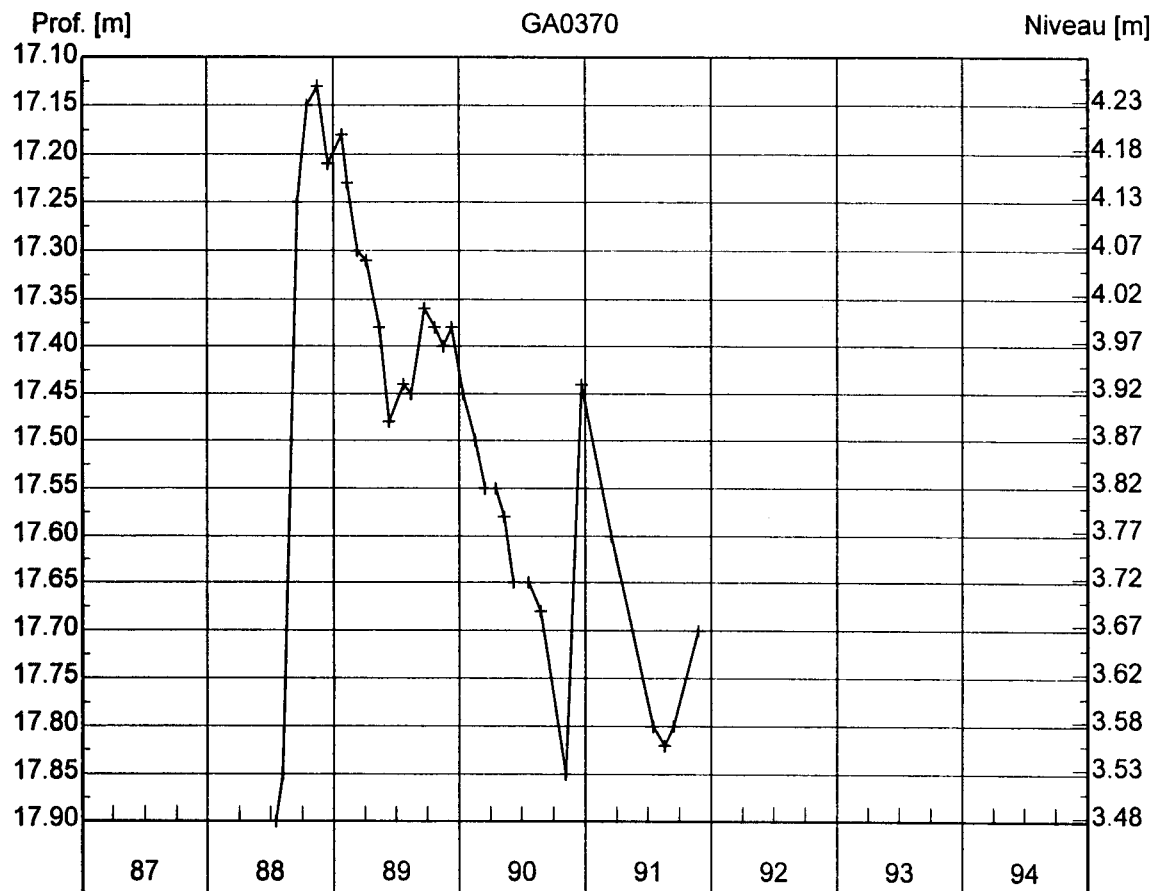
|                       |                    |
|-----------------------|--------------------|
| Prof<br>4910          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>9200   |
| Unite Geol<br>M       | Unite Geom<br>X    |
| Limnim<br>15          | Dist Limn<br>9.200 |
| Pluviom<br>28         | Dist Pluv<br>9.200 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 25 10 1987 | 4.41   | 9 12 1989  | 4.06   |      |        |
| 16 07 1988 | 3.17   | 13 01 1990 | 4.01   |      |        |
| 4 08 1988  | 3.72   | 17 02 1990 | 3.96   |      |        |
| 17 09 1988 | 3.77   | 16 03 1990 | 3.86   |      |        |
| 16 10 1988 | 4.25   | 16 04 1990 | 3.89   |      |        |
| 16 11 1988 | 4.12   | 11 05 1990 | 3.86   |      |        |
| 16 12 1988 | 4.20   | 7 06 1990  | 3.77   |      |        |
| 24 01 1989 | 4.18   | 20 07 1990 | 3.69   |      |        |
| 10 02 1989 | 4.15   | 24 08 1990 | 3.70   |      |        |
| 11 03 1989 | 3.82   | 6 11 1990  | 3.70   |      |        |
| 6 04 1989  | 4.09   | 22 12 1990 | 3.97   |      |        |
| 14 05 1989 | 4.07   | 16 03 1991 | 3.87   |      |        |
| 10 06 1989 | 3.99   | 22 04 1991 | 3.82   |      |        |
| 14 08 1989 | 3.87   | 16 07 1991 | 3.69   |      |        |
| 22 09 1989 | 3.99   | 17 08 1991 | 3.62   |      |        |
| 23 10 1989 | 4.11   | 13 09 1991 | 4.57   |      |        |
| 16 11 1989 | 4.05   | 25 11 1991 | 3.69   |      |        |



# VARIATION DU NIVEAU PIEZOMETRIQUE

|                             |             |                 |                            |                           |
|-----------------------------|-------------|-----------------|----------------------------|---------------------------|
| Piézomètre<br><b>GA0370</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : <b>MATAM 4A</b> |
| X<br>678.2                  | Y<br>1730.4 | Z<br>20.391     | Repère de mesure<br>21.371 | Coupe C11                 |

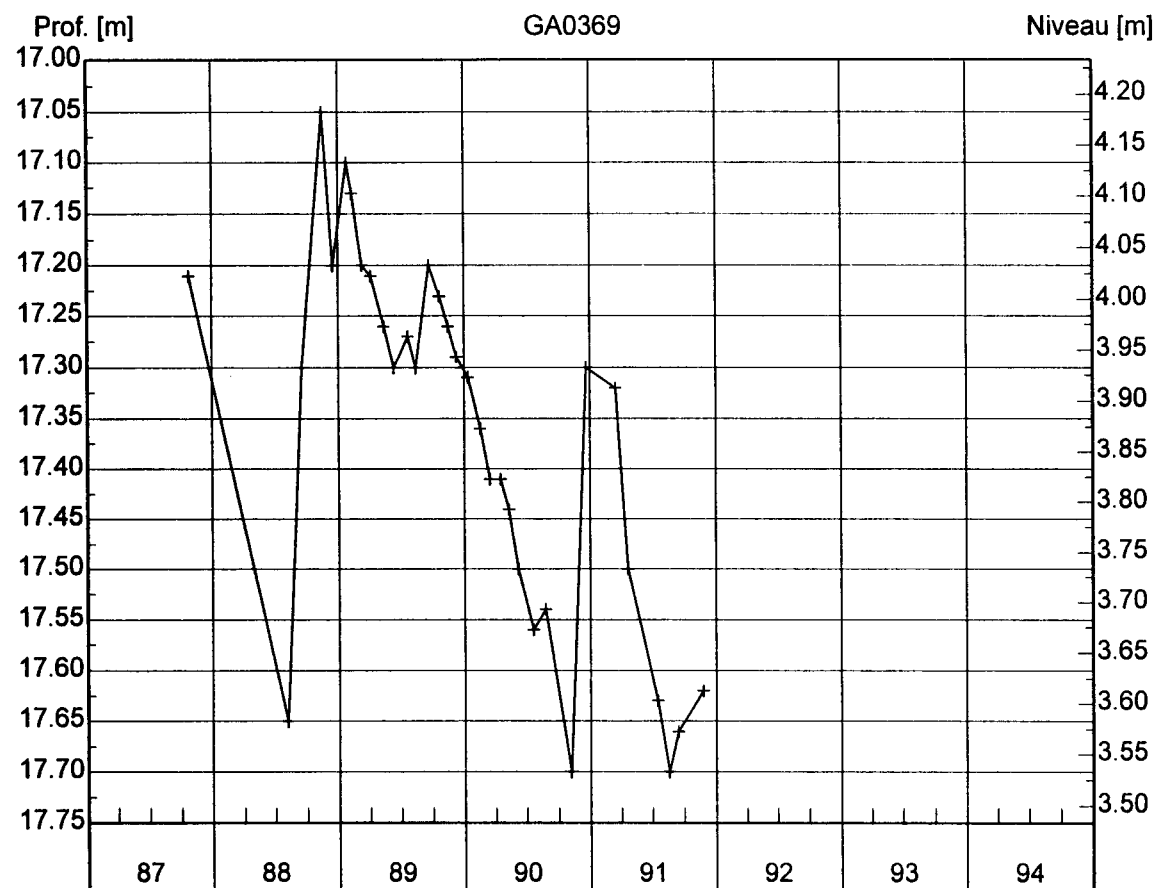


|                       |                    |
|-----------------------|--------------------|
| Prof<br>3140          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>8700   |
| Unite Geol<br>M       | Unite Geom<br>T    |
| Limnim<br>15          | Dist Limn<br>8.600 |
| Pluviom<br>28         | Dist Pluv<br>8.600 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 16 07 1988 | 3.47   | 9 12 1989  | 3.99   |      |        |
| 4 08 1988  | 3.52   | 13 01 1990 | 3.92   |      |        |
| 17 09 1988 | 4.12   | 17 02 1990 | 3.87   |      |        |
| 16 10 1988 | 4.22   | 16 03 1990 | 3.82   |      |        |
| 16 11 1988 | 4.24   | 16 04 1990 | 3.82   |      |        |
| 16 12 1988 | 4.16   | 11 05 1990 | 3.79   |      |        |
| 24 01 1989 | 4.19   | 7 06 1990  | 3.72   |      |        |
| 10 02 1989 | 4.14   | 20 07 1990 | 3.72   |      |        |
| 11 03 1989 | 4.07   | 24 08 1990 | 3.69   |      |        |
| 6 04 1989  | 4.06   | 6 11 1990  | 3.52   |      |        |
| 14 05 1989 | 3.99   | 22 12 1990 | 3.93   |      |        |
| 10 06 1989 | 3.89   | 16 03 1991 | 3.77   |      |        |
| 21 07 1989 | 3.93   | 16 07 1991 | 3.57   |      |        |
| 14 08 1989 | 3.92   | 17 08 1991 | 3.55   |      |        |
| 22 09 1989 | 4.01   | 13 09 1991 | 3.57   |      |        |
| 23 10 1989 | 3.99   | 25 11 1991 | 3.67   |      |        |
| 16 11 1989 | 3.97   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                           |
|-----------------------------|-------------|-----------------|----------------------------|---------------------------|
| Piézomètre<br><b>GA0369</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : <b>MATAM 4A</b> |
| X<br>678.6                  | Y<br>1730.5 | Z<br>20.263     | Repère de mesure<br>21.233 | Coupe C11                 |

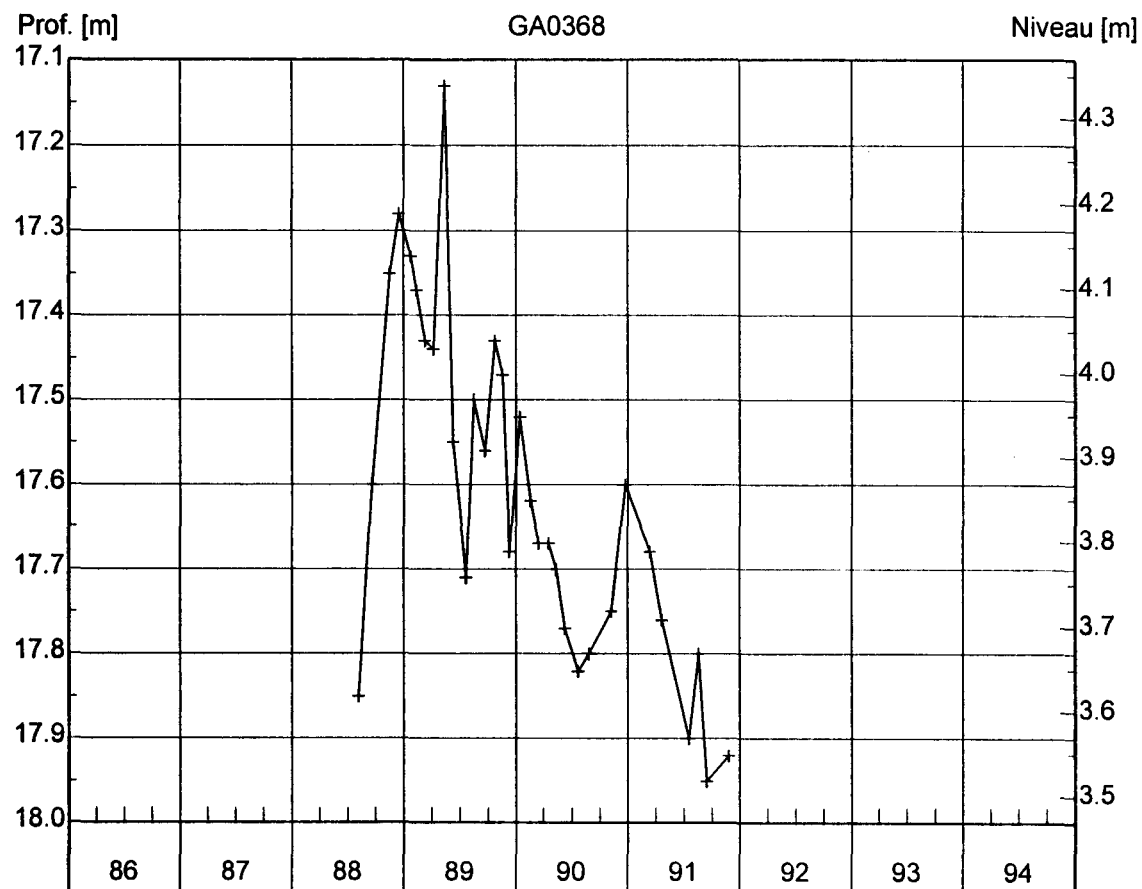


|                       |                    |
|-----------------------|--------------------|
| Prof<br>4930          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>8700   |
| Unite Geol<br>M       | Unite Geom<br>T    |
| Limnim<br>15          | Dist Limn<br>8.600 |
| Pluviom<br>28         | Dist Pluv<br>8.600 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 27 10 1987 | 4.02   | 13 01 1990 | 3.92   |      |        |
| 4 08 1988  | 3.58   | 17 02 1990 | 3.87   |      |        |
| 17 09 1988 | 3.93   | 16 03 1990 | 3.82   |      |        |
| 16 11 1988 | 4.18   | 16 04 1990 | 3.82   |      |        |
| 16 12 1988 | 4.03   | 11 05 1990 | 3.79   |      |        |
| 24 01 1989 | 4.13   | 7 06 1990  | 3.73   |      |        |
| 10 02 1989 | 4.10   | 20 07 1990 | 3.67   |      |        |
| 11 03 1989 | 4.03   | 24 08 1990 | 3.69   |      |        |
| 6 04 1989  | 4.02   | 6 11 1990  | 3.53   |      |        |
| 14 05 1989 | 3.97   | 22 12 1990 | 3.93   |      |        |
| 10 06 1989 | 3.93   | 16 03 1991 | 3.91   |      |        |
| 21 07 1989 | 3.96   | 22 04 1991 | 3.73   |      |        |
| 14 08 1989 | 3.93   | 16 07 1991 | 3.60   |      |        |
| 22 09 1989 | 4.03   | 17 08 1991 | 3.53   |      |        |
| 23 10 1989 | 4.00   | 13 09 1991 | 3.57   |      |        |
| 16 11 1989 | 3.97   | 25 11 1991 | 3.61   |      |        |
| 9 12 1989  | 3.94   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                      |             |                 |                            |                   |                    |
|----------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br>GA0368 |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : MATAM 4A |
| X<br>678.3           | Y<br>1730.4 | Z<br>20.458     | Repère de mesure<br>21.468 |                   |                    |
| Coupe C11            |             |                 |                            |                   |                    |

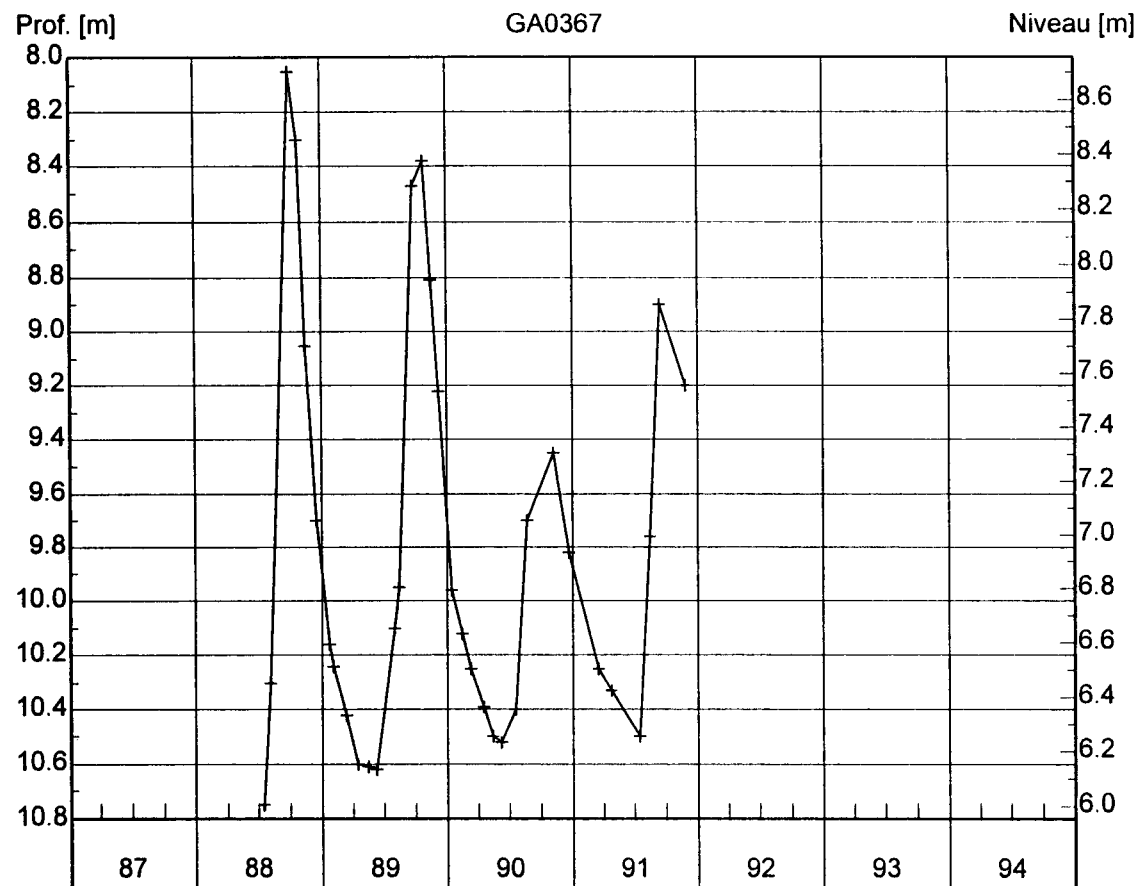


|                       |                    |
|-----------------------|--------------------|
| Prof<br>4930          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>9000   |
| Unite Geol<br>M       | Unite Geom<br>T    |
| Limnim<br>15          | Dist Limn<br>8.900 |
| Pluviom<br>28         | Dist Pluv<br>8.900 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 4 08 1988  | 3.62   | 17 02 1990 | 3.85   |      |        |
| 17 09 1988 | 3.87   | 16 03 1990 | 3.80   |      |        |
| 16 11 1988 | 4.12   | 16 04 1990 | 3.80   |      |        |
| 16 12 1988 | 4.19   | 11 05 1990 | 3.77   |      |        |
| 24 01 1989 | 4.14   | 7 06 1990  | 3.70   |      |        |
| 10 02 1989 | 4.10   | 20 07 1990 | 3.65   |      |        |
| 11 03 1989 | 4.04   | 24 08 1990 | 3.67   |      |        |
| 6 04 1989  | 4.03   | 6 11 1990  | 3.72   |      |        |
| 14 05 1989 | 4.34   | 22 12 1990 | 3.87   |      |        |
| 10 06 1989 | 3.92   | 16 03 1991 | 3.79   |      |        |
| 21 07 1989 | 3.76   | 21 04 1991 | 3.71   |      |        |
| 14 08 1989 | 3.97   | 16 07 1991 | 3.57   |      |        |
| 22 09 1989 | 3.91   | 17 08 1991 | 3.67   |      |        |
| 23 10 1989 | 4.04   | 13 09 1991 | 3.52   |      |        |
| 16 11 1989 | 4.00   | 25 11 1991 | 3.55   |      |        |
| 9 12 1989  | 3.79   |            |        |      |        |
| 13 01 1990 | 3.95   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                   |                           |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|---------------------------|
| Piézomètre<br><b>GA0367</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : <b>MATAM 4A</b> |
| X<br>687.3                  | Y<br>1732.8 | Z<br>15.794     | Repère de mesure<br>16.754 |                   | Coupe C11                 |

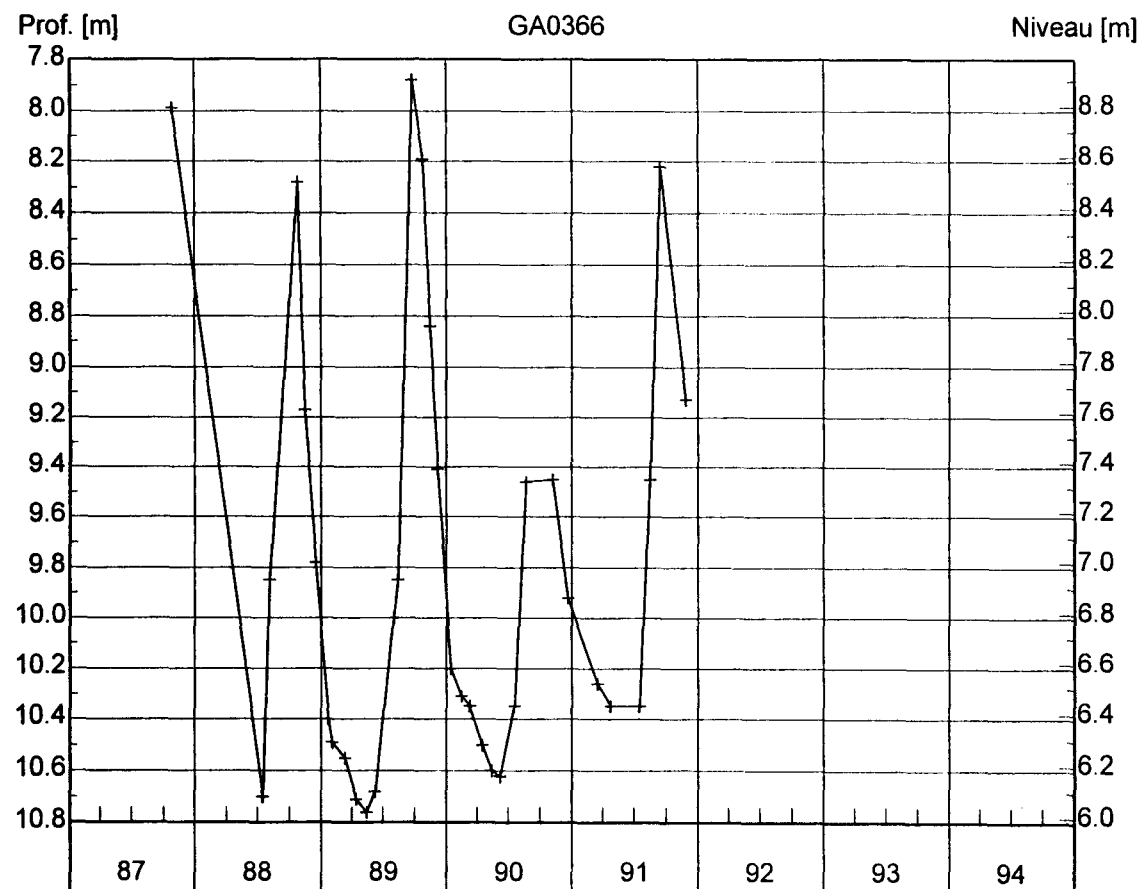


|                       |                    |
|-----------------------|--------------------|
| Prof<br>1145          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>72     |
| Unite Geol<br>QT      | Unite Geom<br>O    |
| Limnim<br>15          | Dist Limn<br>0.400 |
| Pluviom<br>28         | Dist Pluv<br>0.400 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 16 07 1988 | 6.00   | 7 12 1989  | 7.53   |      |        |
| 5 08 1988  | 6.45   | 15 01 1990 | 6.79   |      |        |
| 30 09 1988 | 8.70   | 14 02 1990 | 6.63   |      |        |
| 24 10 1988 | 8.45   | 10 03 1990 | 6.50   |      |        |
| 16 11 1988 | 7.70   | 17 04 1990 | 6.36   |      |        |
| 16 12 1988 | 7.05   | 13 05 1990 | 6.25   |      |        |
| 23 01 1989 | 6.59   | 5 06 1990  | 6.23   |      |        |
| 2 02 1989  | 6.51   | 17 07 1990 | 6.35   |      |        |
| 13 03 1989 | 6.33   | 23 08 1990 | 7.05   |      |        |
| 13 04 1989 | 6.15   | 6 11 1990  | 7.30   |      |        |
| 16 05 1989 | 6.14   | 20 12 1990 | 6.93   |      |        |
| 9 06 1989  | 6.13   | 16 03 1991 | 6.50   |      |        |
| 1 08 1989  | 6.65   | 23 04 1991 | 6.42   |      |        |
| 14 08 1989 | 6.80   | 16 07 1991 | 6.25   |      |        |
| 23 09 1989 | 8.28   | 16 08 1991 | 6.99   |      |        |
| 26 10 1989 | 8.37   | 13 09 1991 | 7.85   |      |        |
| 16 11 1989 | 7.94   | 27 11 1991 | 7.55   |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                      |             |                 |                            |                   |                    |
|----------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br>GA0366 |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : MATAM 4A |
| X<br>687.3           | Y<br>1732.8 | Z<br>15.792     | Repère de mesure<br>16.782 |                   |                    |
| Coupe C11            |             |                 |                            |                   |                    |

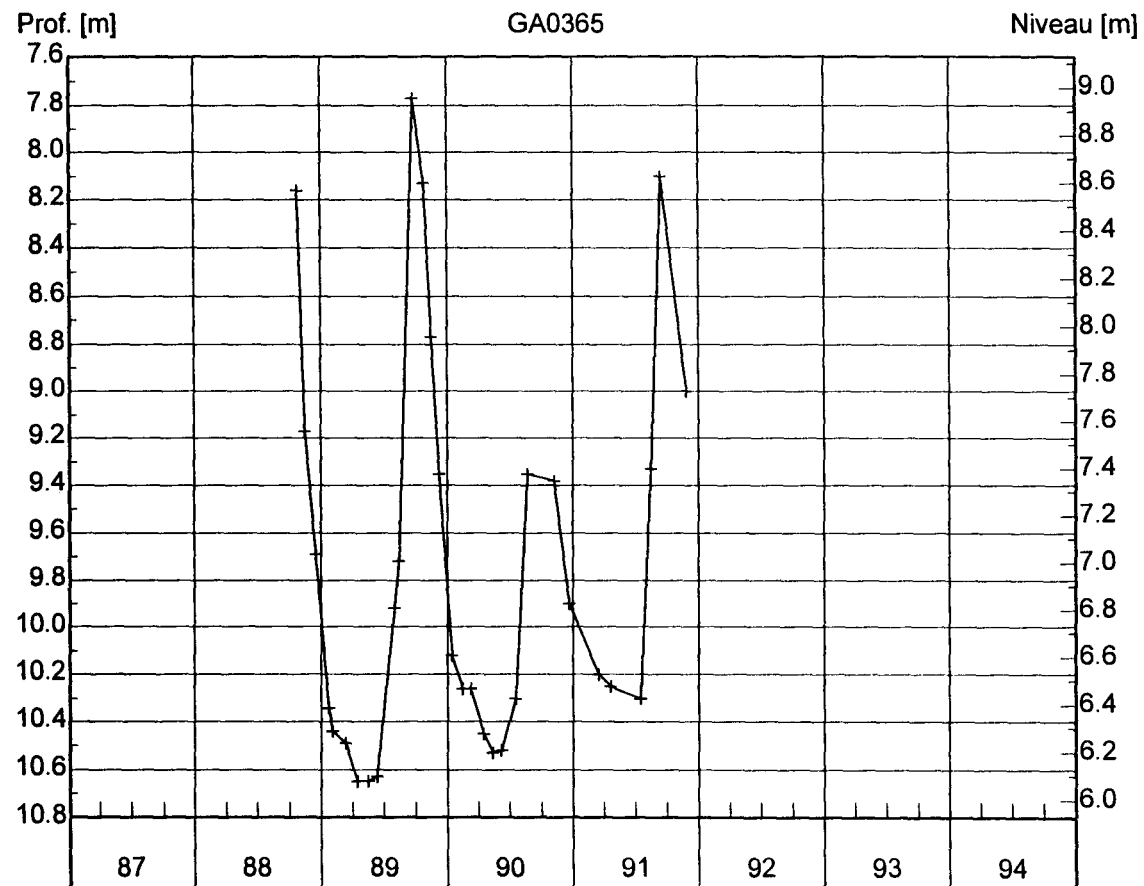


|                       |                    |
|-----------------------|--------------------|
| Prof<br>2947          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>80     |
| Unite Geol<br>QT      | Unite Geom<br>O    |
| Limnim<br>15          | Dist Limn<br>0.400 |
| Pluviom<br>28         | Dist Pluv<br>0.400 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 25 10 1987 | 8.79   | 7 12 1989  | 7.37   |      |        |
| 16 07 1988 | 6.08   | 15 01 1990 | 6.58   |      |        |
| 5 08 1988  | 6.93   | 14 02 1990 | 6.47   |      |        |
| 24 10 1988 | 8.50   | 10 03 1990 | 6.43   |      |        |
| 16 11 1988 | 7.61   | 17 04 1990 | 6.28   |      |        |
| 16 12 1988 | 7.00   | 13 05 1990 | 6.18   |      |        |
| 23 01 1989 | 6.38   | 5 06 1990  | 6.16   |      |        |
| 2 02 1989  | 6.29   | 17 07 1990 | 6.43   |      |        |
| 13 03 1989 | 6.23   | 23 08 1990 | 7.32   |      |        |
| 13 04 1989 | 6.07   | 6 11 1990  | 7.33   |      |        |
| 16 05 1989 | 6.02   | 20 12 1990 | 6.86   |      |        |
| 9 06 1989  | 6.10   | 17 03 1991 | 6.52   |      |        |
| 1 08 1989  | 6.78   | 23 04 1991 | 6.43   |      |        |
| 14 08 1989 | 6.93   | 16 07 1991 | 6.43   |      |        |
| 23 09 1989 | 8.90   | 16 08 1991 | 7.33   |      |        |
| 26 10 1989 | 8.59   | 13 09 1991 | 8.56   |      |        |
| 16 11 1989 | 7.94   | 27 11 1991 | 7.65   |      |        |

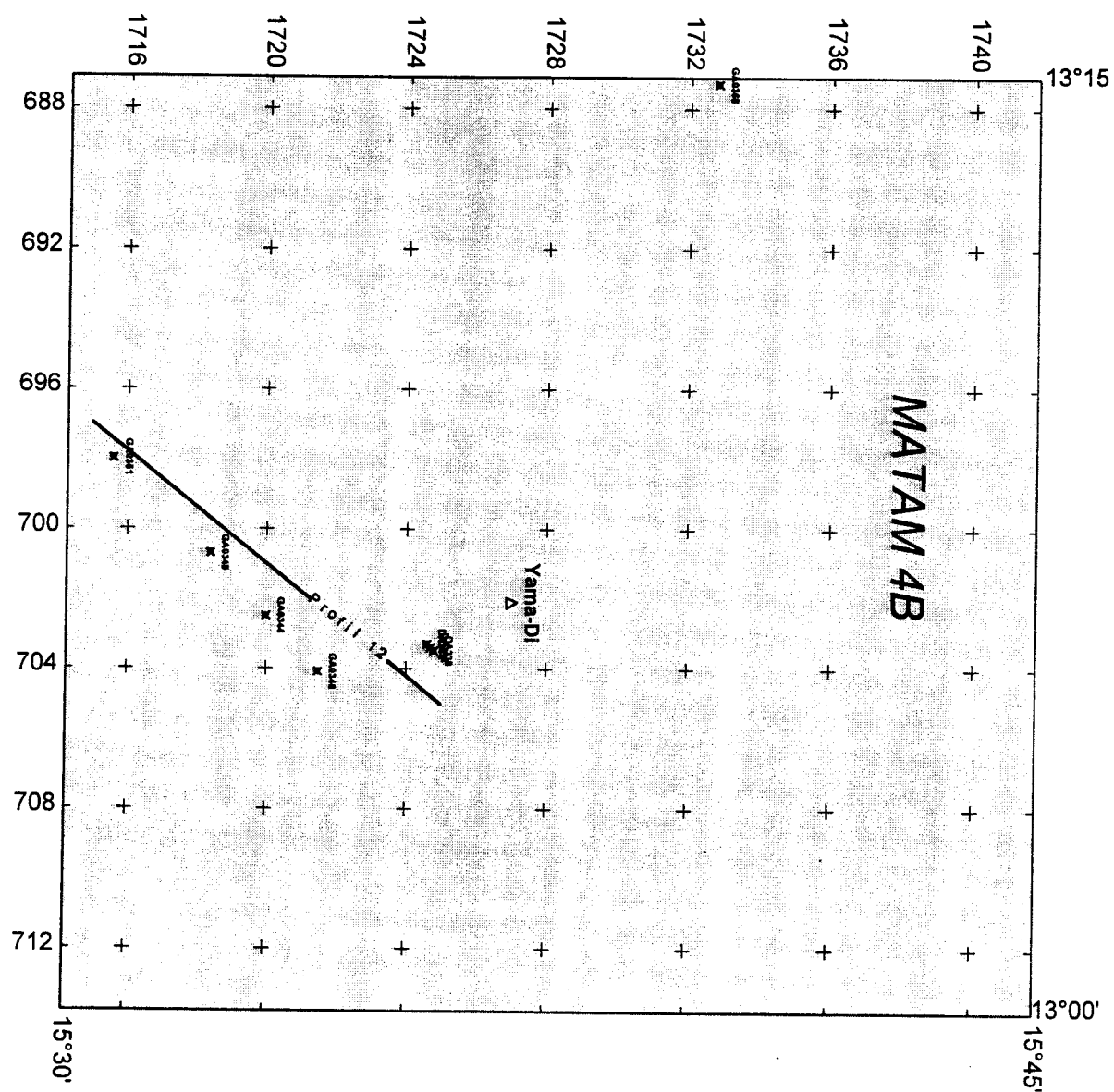
# VARIATION DU NIVEAU PIEZOMETRIQUE

|                             |             |                 |                            |                           |
|-----------------------------|-------------|-----------------|----------------------------|---------------------------|
| Piézomètre<br><b>GA0365</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : <b>MATAM 4A</b> |
| X<br>687.3                  | Y<br>1732.8 | Z<br>15.728     | Repère de mesure<br>16.728 | Coupe C11                 |

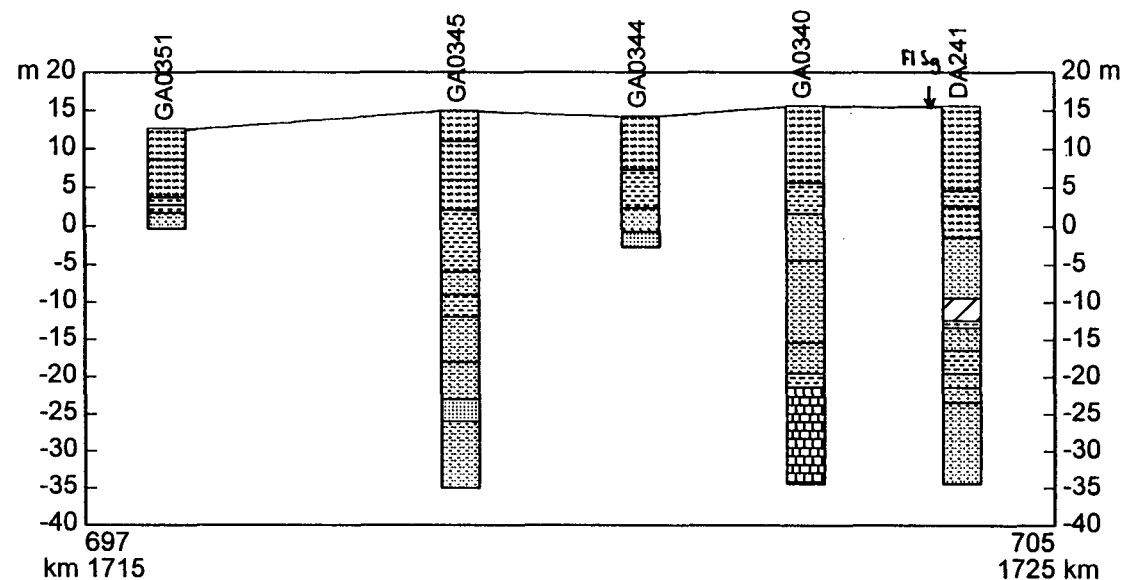


|                       |                    |
|-----------------------|--------------------|
| Prof<br>4930          | Annee<br>1987      |
| Fleuve<br>FL. SENEGAL | Dist eau<br>72     |
| Unite Geol<br>EC      | Unite Geom<br>O    |
| Limnim<br>15          | Dist Limn<br>0.400 |
| Pluviom<br>28         | Dist Pluv<br>0.400 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 24 10 1988 | 8.57   | 10 03 1990 | 6.47   |      |        |
| 16 11 1988 | 7.56   | 17 04 1990 | 6.28   |      |        |
| 16 12 1988 | 7.04   | 13 05 1990 | 6.20   |      |        |
| 23 01 1989 | 6.39   | 5 06 1990  | 6.21   |      |        |
| 2 02 1989  | 6.29   | 17 07 1990 | 6.43   |      |        |
| 13 03 1989 | 6.24   | 23 08 1990 | 7.38   |      |        |
| 13 04 1989 | 6.08   | 7 11 1990  | 7.35   |      |        |
| 16 05 1989 | 6.08   | 20 12 1990 | 6.83   |      |        |
| 10 06 1989 | 6.10   | 17 03 1991 | 6.53   |      |        |
| 1 08 1989  | 6.81   | 21 04 1991 | 6.48   |      |        |
| 14 08 1989 | 7.01   | 16 07 1991 | 6.43   |      |        |
| 23 09 1989 | 8.96   | 16 08 1991 | 7.40   |      |        |
| 26 10 1989 | 8.60   | 13 09 1991 | 8.63   |      |        |
| 16 11 1989 | 7.96   | 27 11 1991 | 7.73   |      |        |
| 7 12 1989  | 7.38   |            |        |      |        |
| 15 01 1990 | 6.61   |            |        |      |        |
| 14 02 1990 | 6.47   |            |        |      |        |



# **PROFIL LITHO-STRATIGRAPHIQUE C12 - MATAM 4B**

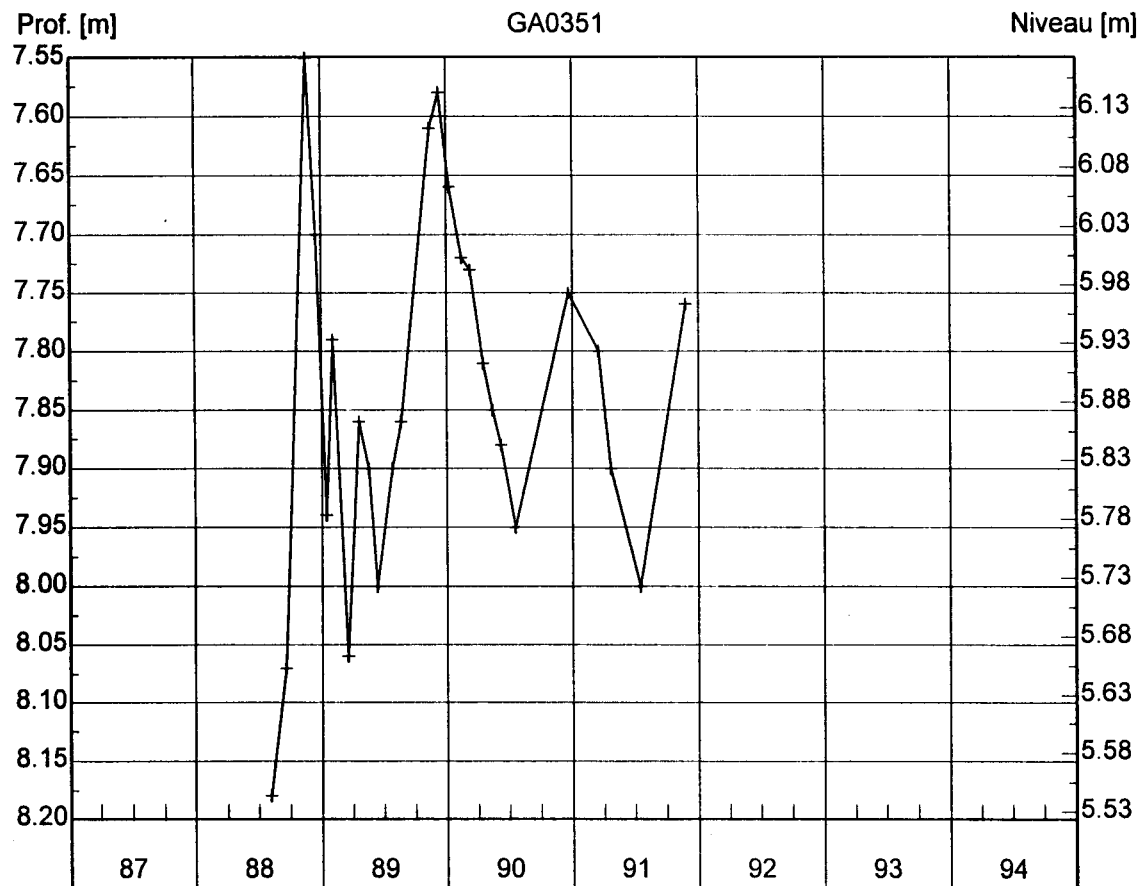


| idouv  | mtux  | mtuy   | z      | elrepign | profouv | geolid | geomid | lgcrep | profhcre | descstrat  |
|--------|-------|--------|--------|----------|---------|--------|--------|--------|----------|------------|
| DA241  | 703.4 | 1724.7 | 15.607 | 16.617   | 4900    | EC     | M      | 100    | 4700     | SABLE MOY  |
| GA0340 | 704.1 | 1721.5 | 15.641 | 16.621   | 4950    | EM     | M      | 100    | 4800     | MARNES     |
| GA0344 | 702.5 | 1720   | 14.373 | 15.343   | 1645    | QT     | A      | 100    | 1495     | SABLE GROS |
| GA0345 | 700.7 | 1718.4 | 15.028 | 16.338   | 4890    | M      | M      | 100    | 4690     | SABLE MOY  |
| GA0351 | 698   | 1715.6 | 12.738 | 13.718   | 1260    | QT     | A      | 100    | 1110     | SABLE MOY  |



# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                           |
|-----------------------------|-------------|-----------------|----------------------------|---------------------------|
| Piézomètre<br><b>GA0351</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : <b>MATAM 4B</b> |
| X<br>698.0                  | Y<br>1715.6 | Z<br>12.738     | Repère de mesure<br>13.718 | Coupe C12                 |

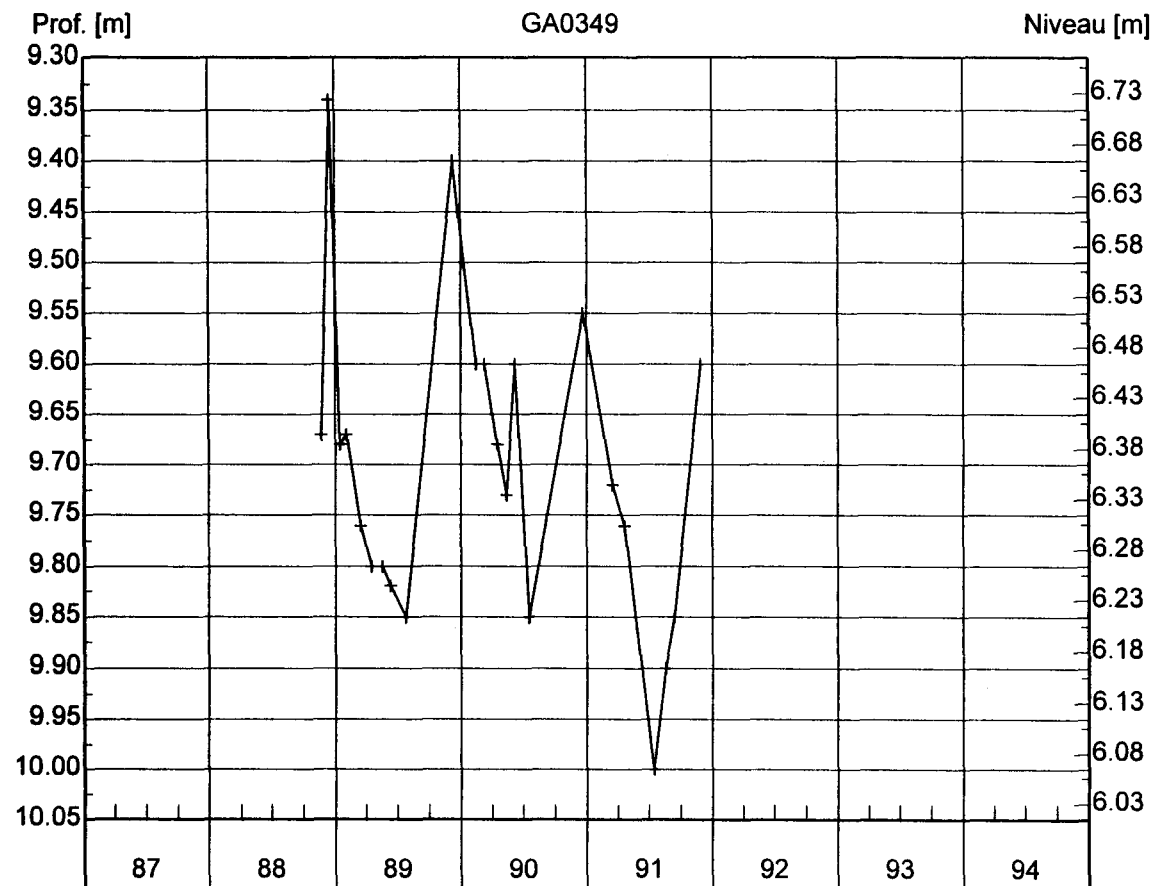


|                       |                     |
|-----------------------|---------------------|
| Prof<br>1260          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>5200    |
| Unite Geol<br>QT      | Unite Geom<br>A     |
| Limnim<br>15          | Dist Limn<br>20.000 |
| Pluviom<br>30         | Dist Pluv<br>3.200  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 5 08 1988  | 5.54   | 17 04 1990 | 5.91   |      |        |
| 17 09 1988 | 5.65   | 13 05 1990 | 5.87   |      |        |
| 17 11 1988 | 6.17   | 6 06 1990  | 5.84   |      |        |
| 17 12 1988 | 6.02   | 18 07 1990 | 5.77   |      |        |
| 14 01 1989 | 5.78   | 20 12 1990 | 5.97   |      |        |
| 3 02 1989  | 5.93   | 17 03 1991 | 5.92   |      |        |
| 17 03 1989 | 5.66   | 21 04 1991 | 5.82   |      |        |
| 19 04 1989 | 5.86   | 16 07 1991 | 5.72   |      |        |
| 16 05 1989 | 5.82   | 26 11 1991 | 5.96   |      |        |
| 10 06 1989 | 5.72   |            |        |      |        |
| 24 07 1989 | 5.82   |            |        |      |        |
| 20 08 1989 | 5.86   |            |        |      |        |
| 14 11 1989 | 6.11   |            |        |      |        |
| 9 12 1989  | 6.14   |            |        |      |        |
| 10 01 1990 | 6.06   |            |        |      |        |
| 14 02 1990 | 6.00   |            |        |      |        |
| 10 03 1990 | 5.99   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                           |
|-----------------------------|-------------|-----------------|----------------------------|---------------------------|
| Piézomètre<br><b>GA0349</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : <b>MATAM 4B</b> |
| X<br>700.7                  | Y<br>1718.4 | Z<br>15.079     | Repère de mesure<br>16.059 | Coupe C12                 |

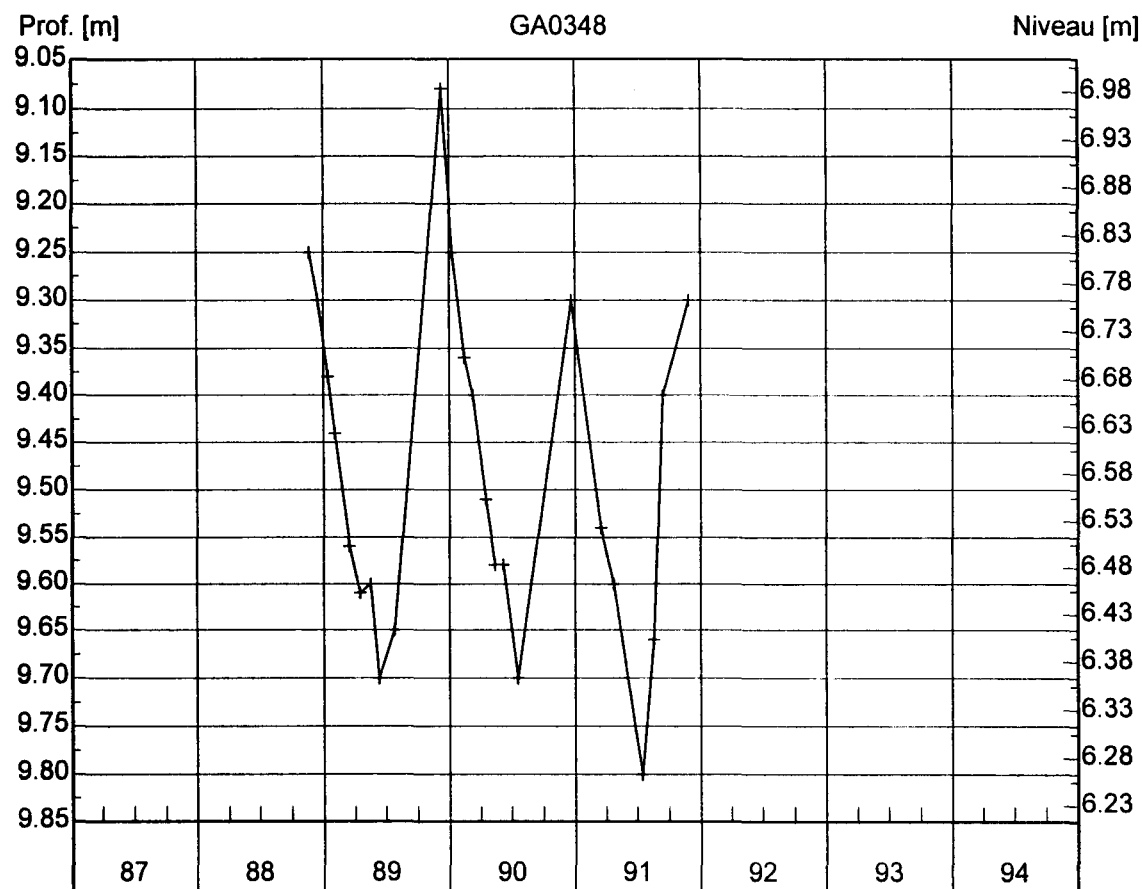


|                       |                     |
|-----------------------|---------------------|
| Prof<br>1460          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>3300    |
| Unite Geol<br>QT      | Unite Geom<br>M     |
| Limnim<br>15          | Dist Limn<br>19.200 |
| Pluviom<br>30         | Dist Pluv<br>7.100  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 22 11 1988 | 6.39   | 20 12 1990 | 6.51   |      |        |
| 17 12 1988 | 6.72   | 17 03 1991 | 6.34   |      |        |
| 14 01 1989 | 6.38   | 21 04 1991 | 6.30   |      |        |
| 3 02 1989  | 6.39   | 16 07 1991 | 6.06   |      |        |
| 17 03 1989 | 6.30   | 18 08 1991 | 6.16   |      |        |
| 16 04 1989 | 6.26   | 13 09 1991 | 6.21   |      |        |
| 16 05 1989 | 6.26   | 26 11 1991 | 6.46   |      |        |
| 10 06 1989 | 6.24   |            |        |      |        |
| 24 07 1989 | 6.21   |            |        |      |        |
| 9 12 1989  | 6.66   |            |        |      |        |
| 10 01 1990 | 6.56   |            |        |      |        |
| 14 02 1990 | 6.46   |            |        |      |        |
| 10 03 1990 | 6.46   |            |        |      |        |
| 17 04 1990 | 6.38   |            |        |      |        |
| 13 05 1990 | 6.33   |            |        |      |        |
| 6 06 1990  | 6.46   |            |        |      |        |
| 17 07 1990 | 6.21   |            |        |      |        |

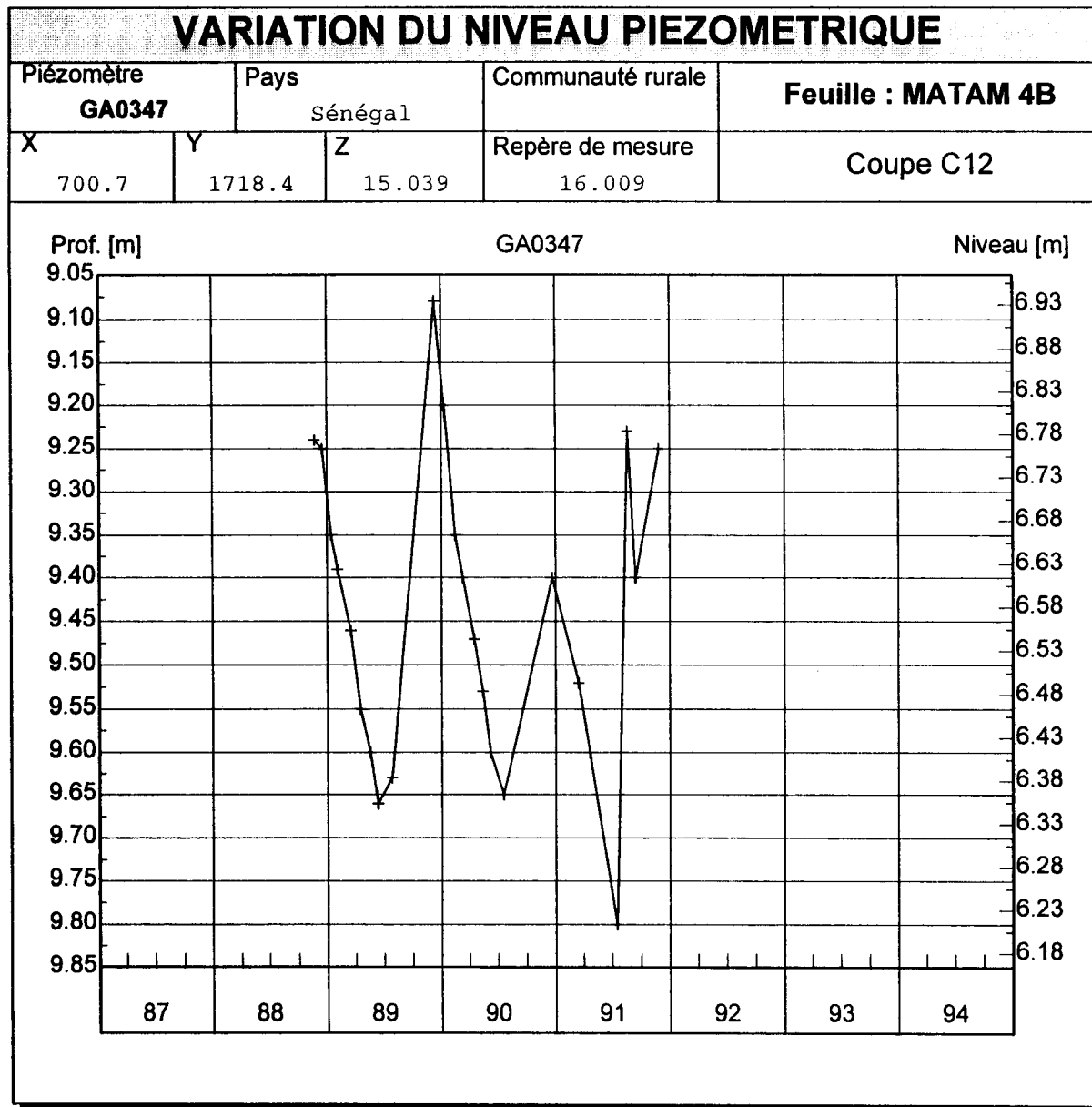
# VARIATION DU NIVEAU PIEZOMETRIQUE

|                             |             |                 |                            |                   |                           |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|---------------------------|
| Piézomètre<br><b>GA0348</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : <b>MATAM 4B</b> |
| X<br>700.7                  | Y<br>1718.4 | Z<br>15.058     | Repère de mesure<br>16.058 |                   | Coupe C12                 |



|                       |                     |
|-----------------------|---------------------|
| Prof<br>2960          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>3300    |
| Unite Geol<br>QT      | Unite Geom<br>M     |
| Limnim<br>15          | Dist Limn<br>19.200 |
| Pluviom<br>30         | Dist Pluv<br>7.100  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 22 11 1988 | 6.81   | 20 12 1990 | 6.76   |      |        |
| 17 12 1988 | 6.76   | 17 03 1991 | 6.52   |      |        |
| 14 01 1989 | 6.68   | 23 04 1991 | 6.46   |      |        |
| 3 02 1989  | 6.62   | 16 07 1991 | 6.26   |      |        |
| 17 03 1989 | 6.50   | 18 08 1991 | 6.40   |      |        |
| 16 04 1989 | 6.45   | 13 09 1991 | 6.66   |      |        |
| 16 05 1989 | 6.46   | 26 11 1991 | 6.76   |      |        |
| 10 06 1989 | 6.36   |            |        |      |        |
| 24 07 1989 | 6.41   |            |        |      |        |
| 9 12 1989  | 6.98   |            |        |      |        |
| 10 01 1990 | 6.81   |            |        |      |        |
| 14 02 1990 | 6.70   |            |        |      |        |
| 10 03 1990 | 6.66   |            |        |      |        |
| 17 04 1990 | 6.55   |            |        |      |        |
| 13 05 1990 | 6.48   |            |        |      |        |
| 6 06 1990  | 6.48   |            |        |      |        |
| 17 07 1990 | 6.36   |            |        |      |        |

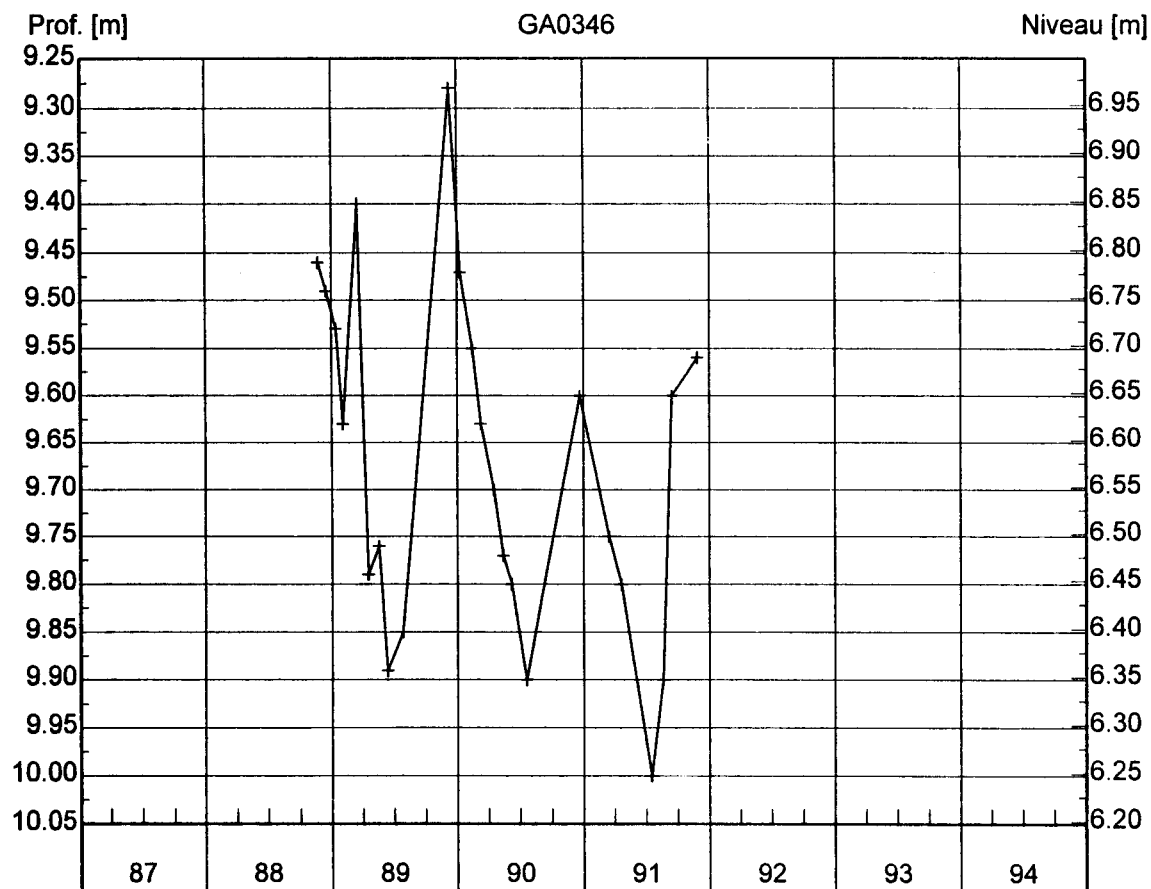


|            |             |            |          |
|------------|-------------|------------|----------|
| Prof       | 4940        | Annee      | 1987     |
| Fleuve     | FL. SENEGAL |            | Dist eau |
|            |             |            | 3300     |
| Unite Geol | M           | Unite Geom | M        |
| Limnim     | 15          | Dist Limn  | 19.200   |
| Pluviom    | 30          | Dist Pluv  | 7.100    |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 22 11 1988 | 6.77   | 20 12 1990 | 6.61   |      |        |
| 17 12 1988 | 6.76   | 17 03 1991 | 6.49   |      |        |
| 14 01 1989 | 6.66   | 21 04 1991 | 6.41   |      |        |
| 3 02 1989  | 6.62   | 16 07 1991 | 6.21   |      |        |
| 17 03 1989 | 6.55   | 18 08 1991 | 6.78   |      |        |
| 16 04 1989 | 6.46   | 13 09 1991 | 6.61   |      |        |
| 16 05 1989 | 6.41   | 26 11 1991 | 6.76   |      |        |
| 10 06 1989 | 6.35   |            |        |      |        |
| 24 07 1989 | 6.38   |            |        |      |        |
| 9 12 1989  | 6.93   |            |        |      |        |
| 10 01 1990 | 6.81   |            |        |      |        |
| 14 02 1990 | 6.66   |            |        |      |        |
| 10 03 1990 | 6.61   |            |        |      |        |
| 17 04 1990 | 6.54   |            |        |      |        |
| 13 05 1990 | 6.48   |            |        |      |        |
| 6 06 1990  | 6.41   |            |        |      |        |
| 17 07 1990 | 6.36   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                   |                           |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|---------------------------|
| Piézomètre<br><b>GA0346</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : <b>MATAM 4B</b> |
| X<br>700.7                  | Y<br>1718.4 | Z<br>15.107     | Repère de mesure<br>16.247 |                   | Coupe C12                 |

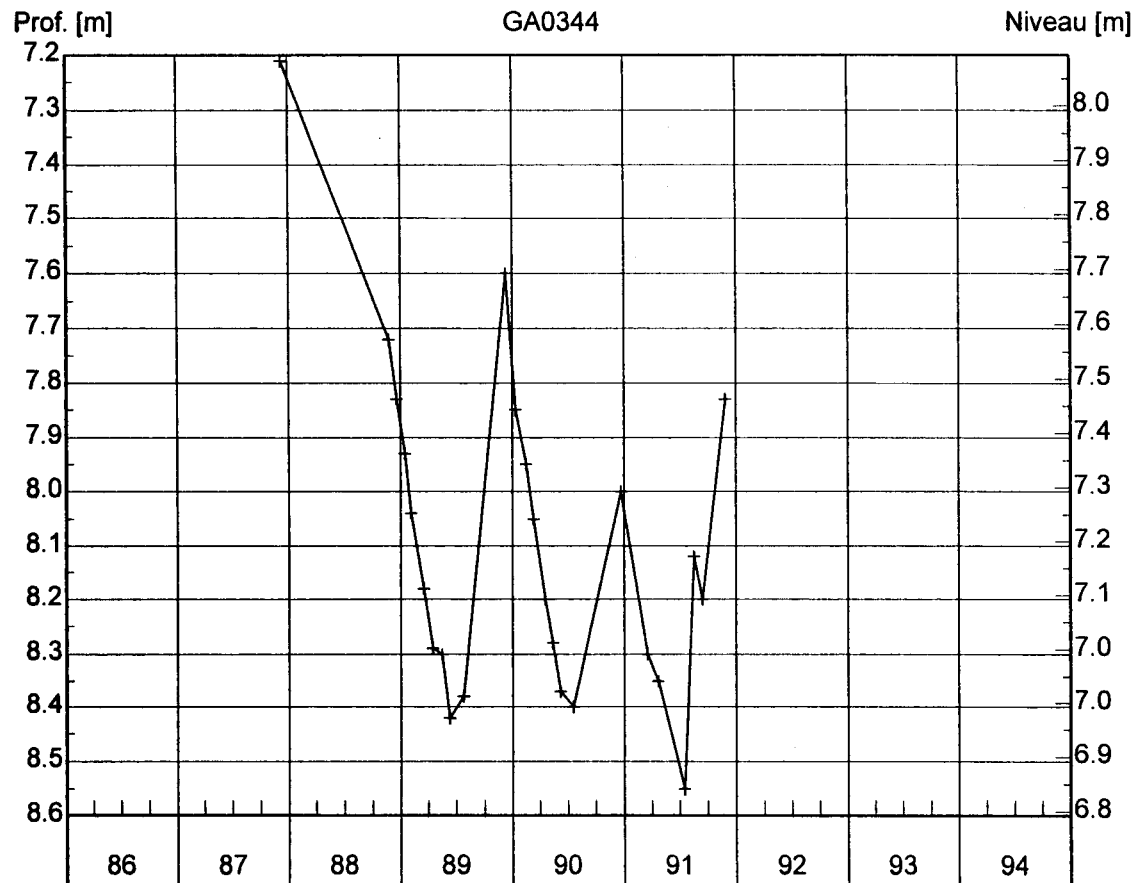


|                       |                     |
|-----------------------|---------------------|
| Prof<br>2910          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>3300    |
| Unite Geol<br>QT      | Unite Geom<br>M     |
| Limnim<br>15          | Dist Limn<br>19.200 |
| Pluviom<br>30         | Dist Pluv<br>7.100  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 22 11 1988 | 6.79   | 20 12 1990 | 6.65   |      |        |
| 17 12 1988 | 6.76   | 17 03 1991 | 6.50   |      |        |
| 14 01 1989 | 6.72   | 21 04 1991 | 6.45   |      |        |
| 3 02 1989  | 6.62   | 16 07 1991 | 6.25   |      |        |
| 17 03 1989 | 6.85   | 18 08 1991 | 6.35   |      |        |
| 16 04 1989 | 6.46   | 13 09 1991 | 6.65   |      |        |
| 16 05 1989 | 6.49   | 26 11 1991 | 6.69   |      |        |
| 10 06 1989 | 6.36   |            |        |      |        |
| 24 07 1989 | 6.40   |            |        |      |        |
| 9 12 1989  | 6.97   |            |        |      |        |
| 10 01 1990 | 6.78   |            |        |      |        |
| 14 02 1990 | 6.70   |            |        |      |        |
| 10 03 1990 | 6.62   |            |        |      |        |
| 17 04 1990 | 6.55   |            |        |      |        |
| 13 05 1990 | 6.48   |            |        |      |        |
| 6 06 1990  | 6.45   |            |        |      |        |
| 17 07 1990 | 6.35   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                   |                           |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|---------------------------|
| Piézomètre<br><b>GA0344</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : <b>MATAM 4B</b> |
| X<br>702.5                  | Y<br>1720.0 | Z<br>14.373     | Repère de mesure<br>15.343 |                   | Coupe C12                 |

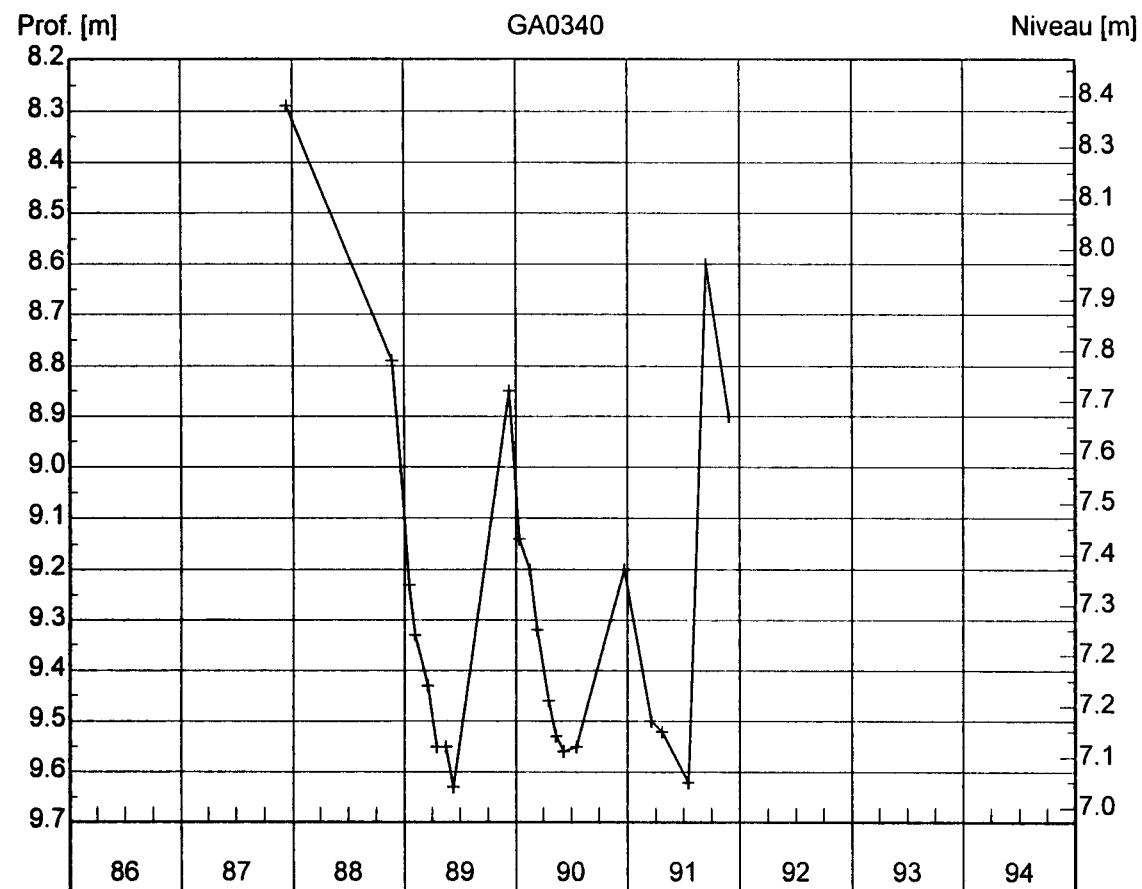


|                       |                     |
|-----------------------|---------------------|
| Prof<br>1645          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>2400    |
| Unite Geol<br>QT      | Unite Geom<br>A     |
| Limnim<br>15          | Dist Limn<br>19.800 |
| Pluviom<br>30         | Dist Pluv<br>9.500  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 12 12 1987 | 8.13   | 18 07 1990 | 6.94   |      |        |
| 22 11 1988 | 7.62   | 20 12 1990 | 7.34   |      |        |
| 17 12 1988 | 7.51   | 17 03 1991 | 7.04   |      |        |
| 14 01 1989 | 7.41   | 21 04 1991 | 6.99   |      |        |
| 3 02 1989  | 7.30   | 16 07 1991 | 6.79   |      |        |
| 17 03 1989 | 7.16   | 18 08 1991 | 7.22   |      |        |
| 16 04 1989 | 7.05   | 13 09 1991 | 7.14   |      |        |
| 16 05 1989 | 7.04   | 26 11 1991 | 7.51   |      |        |
| 10 06 1989 | 6.92   |            |        |      |        |
| 24 07 1989 | 6.96   |            |        |      |        |
| 9 12 1989  | 7.74   |            |        |      |        |
| 10 01 1990 | 7.49   |            |        |      |        |
| 14 02 1990 | 7.39   |            |        |      |        |
| 10 03 1990 | 7.29   |            |        |      |        |
| 17 04 1990 | 7.14   |            |        |      |        |
| 13 05 1990 | 7.06   |            |        |      |        |
| 6 06 1990  | 6.97   |            |        |      |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                             |             |                 |                            |                   |                    |
|-----------------------------|-------------|-----------------|----------------------------|-------------------|--------------------|
| Piézomètre<br><b>GA0340</b> |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : MATAM 4B |
| X<br>704.1                  | Y<br>1721.5 | Z<br>15.641     | Repère de mesure<br>16.621 |                   | Coupe C12          |

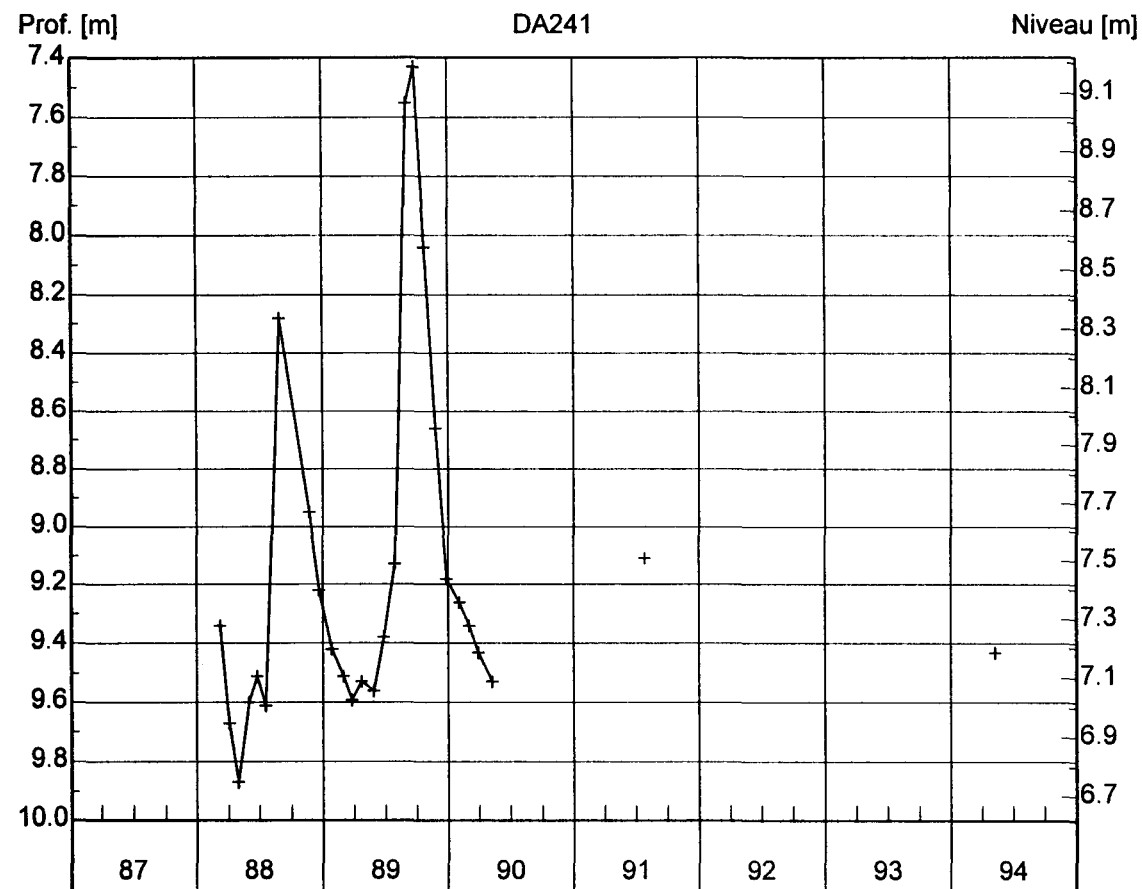


|                       |                     |
|-----------------------|---------------------|
| Prof<br>4950          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>700     |
| Unite Geol<br>EM      | Unite Geom<br>M     |
| Limnim<br>15          | Dist Limn<br>19.700 |
| Pluviom<br>30         | Dist Pluv<br>11.600 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 13 12 1987 | 8.33   | 20 12 1990 | 7.42   |      |        |
| 22 11 1988 | 7.83   | 17 03 1991 | 7.12   |      |        |
| 17 12 1988 | 7.62   | 21 04 1991 | 7.10   |      |        |
| 14 01 1989 | 7.39   | 16 07 1991 | 7.00   |      |        |
| 3 02 1989  | 7.29   | 13 09 1991 | 8.02   |      |        |
| 17 03 1989 | 7.19   | 26 11 1991 | 7.72   |      |        |
| 16 04 1989 | 7.07   |            |        |      |        |
| 16 05 1989 | 7.07   |            |        |      |        |
| 10 06 1989 | 6.99   |            |        |      |        |
| 9 12 1989  | 7.77   |            |        |      |        |
| 10 01 1990 | 7.48   |            |        |      |        |
| 14 02 1990 | 7.42   |            |        |      |        |
| 10 03 1990 | 7.30   |            |        |      |        |
| 17 04 1990 | 7.16   |            |        |      |        |
| 13 05 1990 | 7.09   |            |        |      |        |
| 6 06 1990  | 7.06   |            |        |      |        |
| 18 07 1990 | 7.07   |            |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                     |             |                    |                            |                   |                    |
|---------------------|-------------|--------------------|----------------------------|-------------------|--------------------|
| Piézomètre<br>DA241 |             | Pays<br>Mauritanie |                            | Communauté rurale | Feuille : MATAM 4B |
| X<br>703.4          | Y<br>1724.7 | Z<br>15.607        | Repère de mesure<br>16.617 | Coupe C12         |                    |



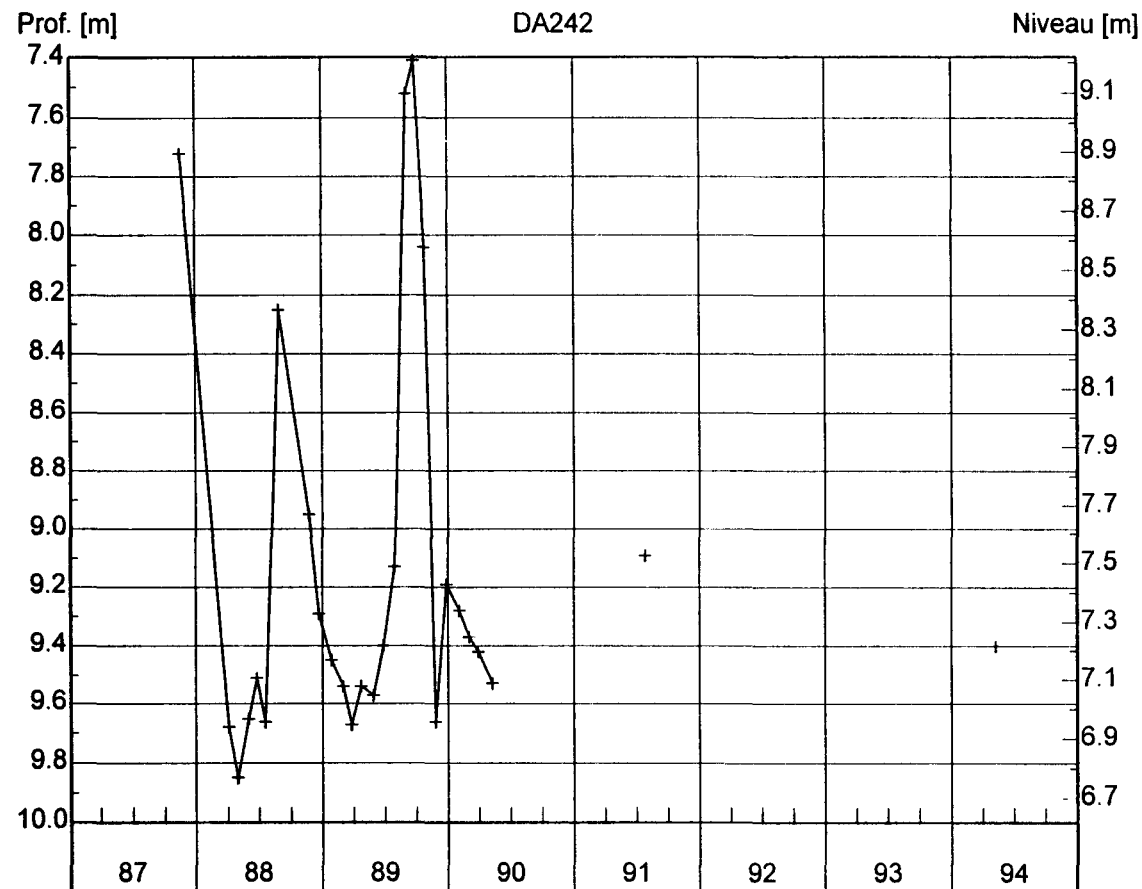
|                       |  |                     |  |
|-----------------------|--|---------------------|--|
| Prof<br>4900          |  | Annee<br>1987       |  |
| Fleuve<br>FL. SENEGAL |  | Dist eau<br>300     |  |
| Unite Geol<br>EC      |  | Unite Geom<br>M     |  |
| Limnim<br>15          |  | Dist Limn<br>18.000 |  |
| Pluviom<br>30         |  | Dist Pluv<br>13.600 |  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 8 03 1988  | 7.28   | 26 09 1989 | 9.19   |      |        |
| 3 04 1988  | 6.95   | 24 10 1989 | 8.58   |      |        |
| 30 04 1988 | 6.75   | 24 11 1989 | 7.96   |      |        |
| 30 05 1988 | 7.02   | 28 12 1989 | 7.44   |      |        |
| 23 06 1988 | 7.11   | 3 02 1990  | 7.36   |      |        |
| 17 07 1988 | 7.01   | 3 03 1990  | 7.28   |      |        |
| 29 08 1988 | 8.34   | 30 03 1990 | 7.19   |      |        |
| 21 11 1988 | 7.67   | 8 05 1990  | 7.09   |      |        |
| 20 12 1988 | 7.40   | 26 07 1991 | 7.51   |      |        |
| 27 01 1989 | 7.20   | 8 05 1994  | 7.19   |      |        |
| 1 03 1989  | 7.11   |            |        |      |        |
| 25 03 1989 | 7.03   |            |        |      |        |
| 24 04 1989 | 7.09   |            |        |      |        |
| 27 05 1989 | 7.06   |            |        |      |        |
| 26 06 1989 | 7.24   |            |        |      |        |
| 28 07 1989 | 7.49   |            |        |      |        |
| 2 09 1989  | 9.07   |            |        |      |        |



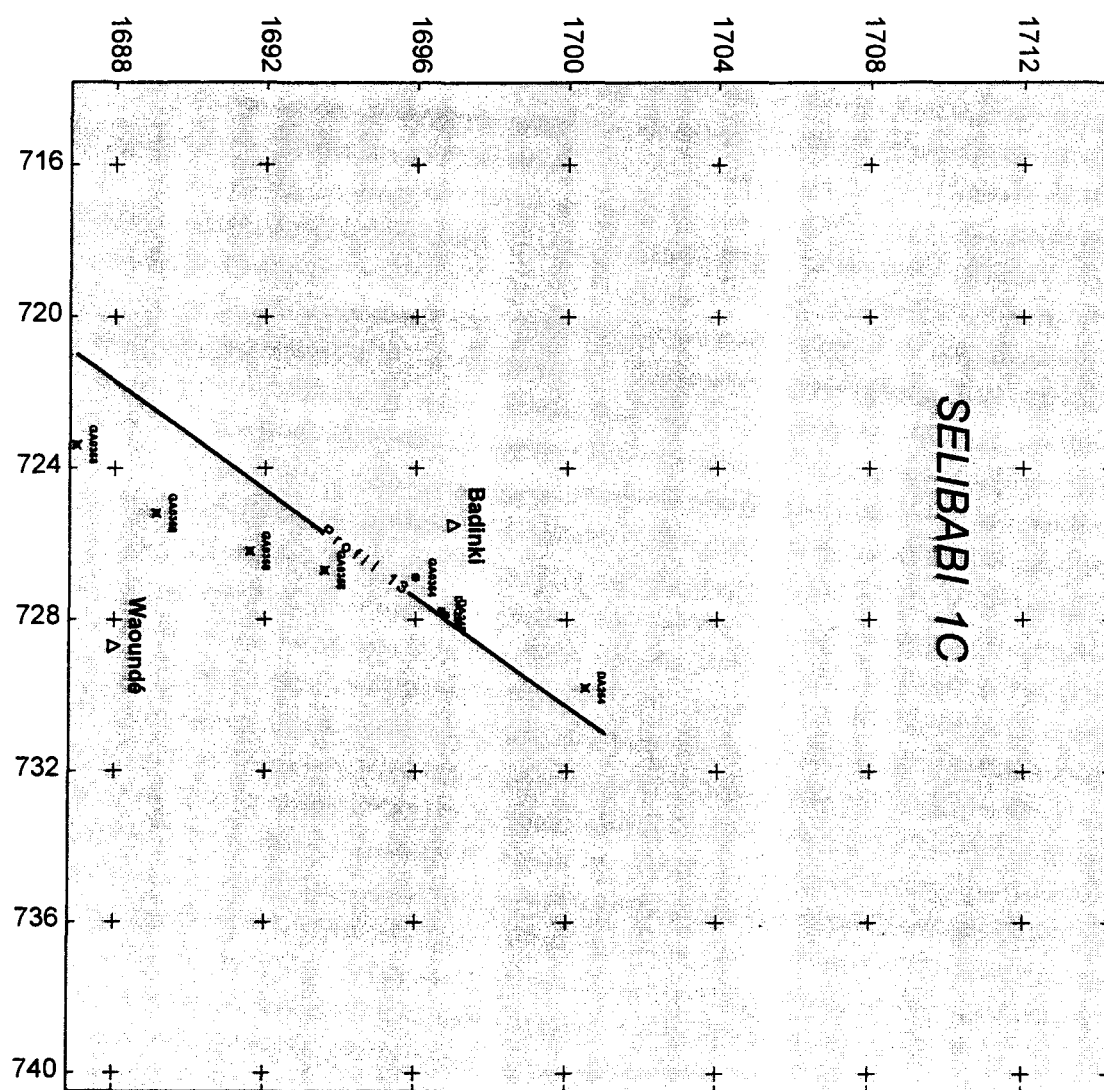
# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                   |                           |
|----------------------------|-------------|--------------------|----------------------------|-------------------|---------------------------|
| Piézomètre<br><b>DA242</b> |             | Pays<br>Mauritanie |                            | Communauté rurale | Feuille : <b>MATAM 4B</b> |
| X<br>703.4                 | Y<br>1724.7 | Z<br>15.607        | Repère de mesure<br>16.617 |                   | Coupe C12                 |

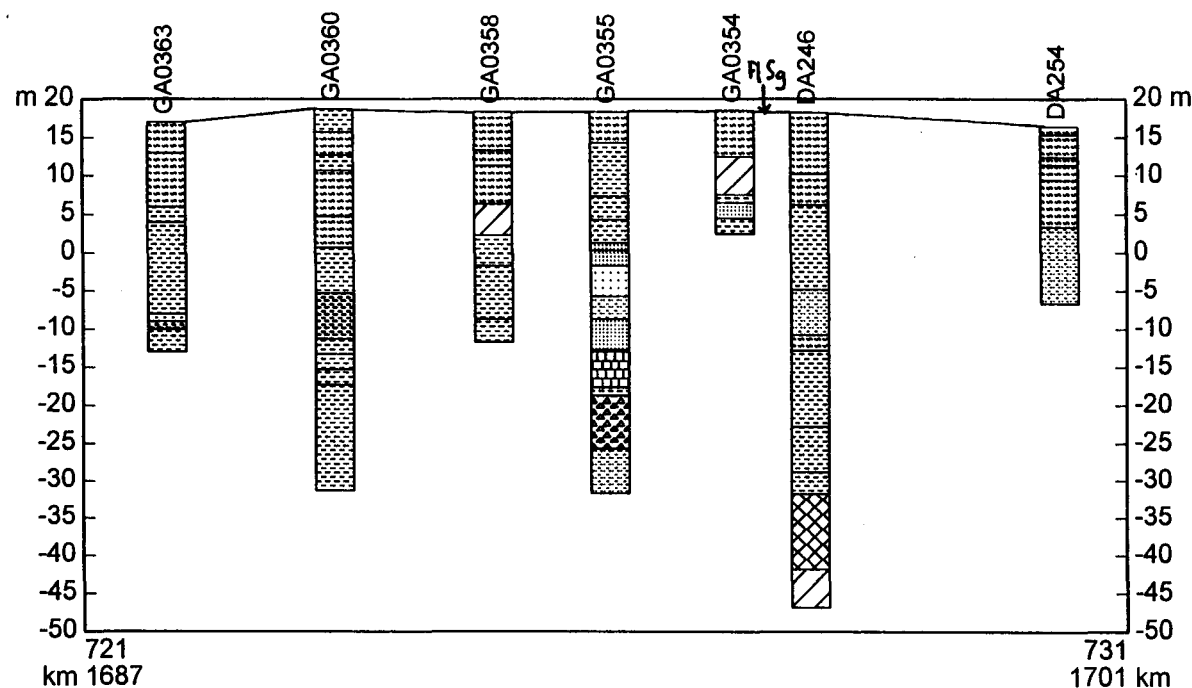


|                       |                     |
|-----------------------|---------------------|
| Prof<br>2950          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>300     |
| Unite Geol<br>EC      | Unite Geom<br>M     |
| Limnim<br>15          | Dist Limn<br>18.000 |
| Pluviom<br>30         | Dist Pluv<br>13.600 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 18 11 1987 | 8.90   | 26 09 1989 | 9.21   |      |        |
| 03 04 1988 | 6.94   | 24 10 1989 | 8.58   |      |        |
| 30 04 1988 | 6.77   | 24 11 1989 | 6.96   |      |        |
| 30 05 1988 | 6.97   | 28 12 1989 | 7.43   |      |        |
| 23 06 1988 | 7.11   | 03 02 1990 | 7.34   |      |        |
| 17 07 1988 | 6.96   | 03 03 1990 | 7.25   |      |        |
| 29 08 1988 | 8.37   | 30 03 1990 | 7.20   |      |        |
| 21 11 1988 | 7.67   | 05 05 1990 | 7.09   |      |        |
| 20 12 1988 | 7.33   | 26 07 1991 | 7.53   |      |        |
| 27 01 1989 | 7.17   | 05 08 1994 | 7.22   |      |        |
| 01 03 1989 | 7.08   |            |        |      |        |
| 25 03 1989 | 6.95   |            |        |      |        |
| 24 04 1989 | 7.08   |            |        |      |        |
| 27 05 1989 | 7.05   |            |        |      |        |
| 26 06 1989 | 7.22   |            |        |      |        |
| 28 07 1989 | 7.49   |            |        |      |        |
| 02 09 1989 | 9.10   |            |        |      |        |



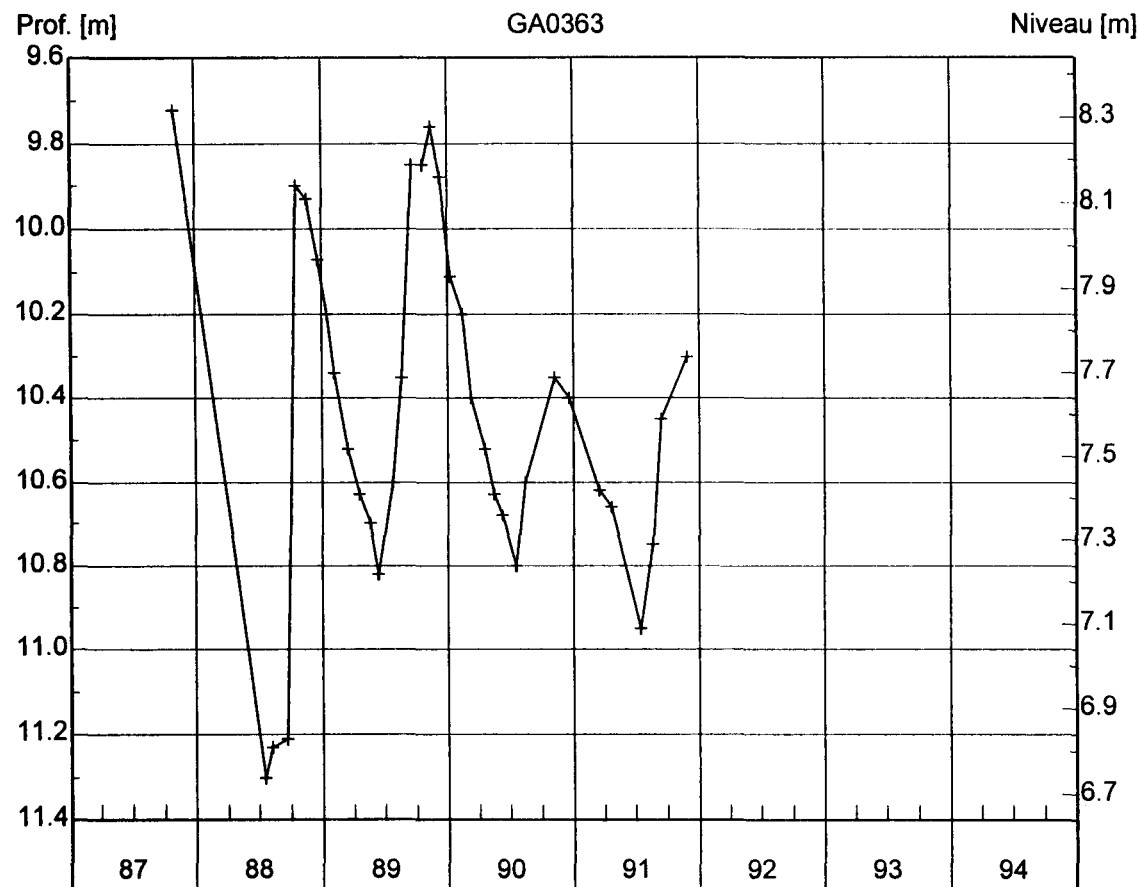
# **PROFIL LITHO-STRATIGRAPHIQUE C13 - SELIBABI 1C**



| idouv  | mtux  | mtuy   | z      | elrepign | profouv | geolid | geomid | lgcrep | profhcre | descstrat |
|--------|-------|--------|--------|----------|---------|--------|--------|--------|----------|-----------|
| DA246  | 727.9 | 1696.8 | 18.288 | 19.288   | 4950    | EC     | N      | 100    | 4800     | SABLE FIN |
| DA254  | 729.8 | 1700.5 | 16.486 | 17.496   | 2250    | OG     | T      | 100    | 2100     | SABLE MOY |
| GA0354 | 726.9 | 1696   | 18.534 | 19.524   | 1540    | QT     | E      | 100    | 1360     | SABLE FIN |
| GA0355 | 726.7 | 1693.6 | 18.345 | 19.315   | 4950    | M      | M      | 100    | 4800     | SABLE FIN |
| GA0358 | 726.2 | 1691.6 | 18.344 | 19.324   | 2955    | QT     | N      | 100    | 2805     | SABLE FIN |
| GA0360 | 725.2 | 1689.1 | 18.706 | 19.696   | 4940    | M      | N      | 100    | 4740     | SABLE FIN |
| GA0363 | 723.4 | 1687   | 17.069 | 18.039   | 2945    | M      | S      | 100    | 2795     | SABLE FIN |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                      |             |                 |                            |                   |                       |
|----------------------|-------------|-----------------|----------------------------|-------------------|-----------------------|
| Piézomètre<br>GA0363 |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : SELIBABI 1C |
| X<br>723.4           | Y<br>1687.0 | Z<br>17.069     | Repère de mesure<br>18.039 | Coupe C13         |                       |

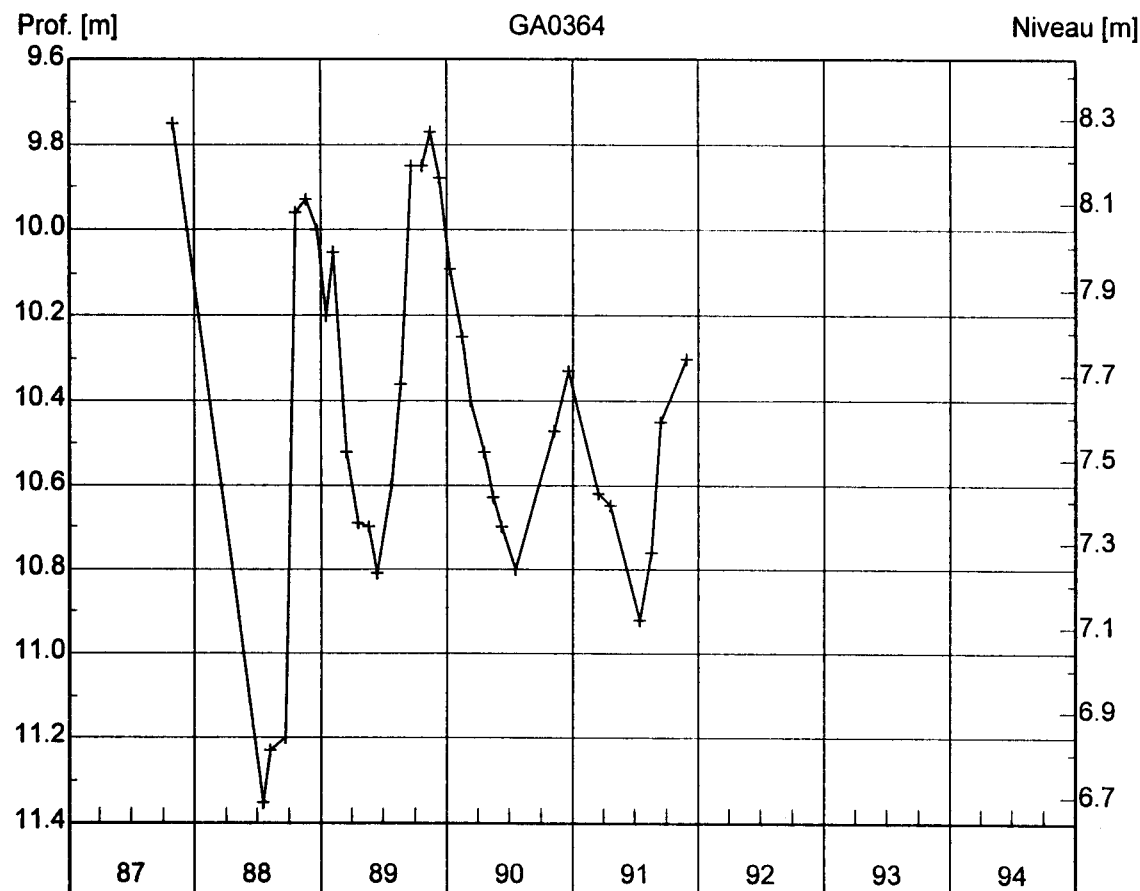


|                        |                     |
|------------------------|---------------------|
| Prof<br>2945           | Annee<br>1987       |
| Fleuve<br>FL . SENEGAL | Dist eau<br>2300    |
| Unite Geol<br>M        | Unite Geom<br>S     |
| Limnim<br>15           | Dist Limn<br>60.600 |
| Pluviom<br>31          | Dist Pluv<br>7.200  |

| Date       | Niveau | Date       | Niveau | Date       | Niveau |
|------------|--------|------------|--------|------------|--------|
| 30 10 1987 | 8.32   | 14 11 1989 | 8.28   | 28 11 1991 | 7.74   |
| 17 07 1988 | 6.74   | 10 12 1989 | 8.16   |            |        |
| 06 08 1988 | 6.81   | 10 01 1990 | 7.93   |            |        |
| 19 09 1988 | 6.83   | 13 02 1990 | 7.84   |            |        |
| 17 10 1988 | 8.14   | 11 03 1990 | 7.64   |            |        |
| 17 11 1988 | 8.11   | 18 04 1990 | 7.52   |            |        |
| 20 12 1988 | 7.97   | 15 05 1990 | 7.41   |            |        |
| 16 01 1989 | 7.84   | 08 06 1990 | 7.36   |            |        |
| 05 02 1989 | 7.70   | 18 07 1990 | 7.24   |            |        |
| 17 03 1989 | 7.52   | 13 08 1990 | 7.44   |            |        |
| 18 04 1989 | 7.41   | 07 11 1990 | 7.69   |            |        |
| 19 05 1989 | 7.34   | 20 12 1990 | 7.64   |            |        |
| 12 06 1989 | 7.22   | 17 03 1991 | 7.42   |            |        |
| 25 07 1989 | 7.44   | 21 04 1991 | 7.38   |            |        |
| 20 08 1989 | 7.69   | 17 07 1991 | 7.09   |            |        |
| 20 09 1989 | 8.19   | 19 08 1991 | 7.29   |            |        |
| 20 10 1989 | 8.19   | 14 09 1991 | 7.59   |            |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                      |             |                 |                            |                   |                       |
|----------------------|-------------|-----------------|----------------------------|-------------------|-----------------------|
| Piézomètre<br>GA0364 |             | Pays<br>Sénégal |                            | Communauté rurale | Feuille : SELIBABI 1C |
| X<br>723.4           | Y<br>1687.0 | Z<br>17.060     | Repère de mesure<br>18.040 | Coupe C13         |                       |

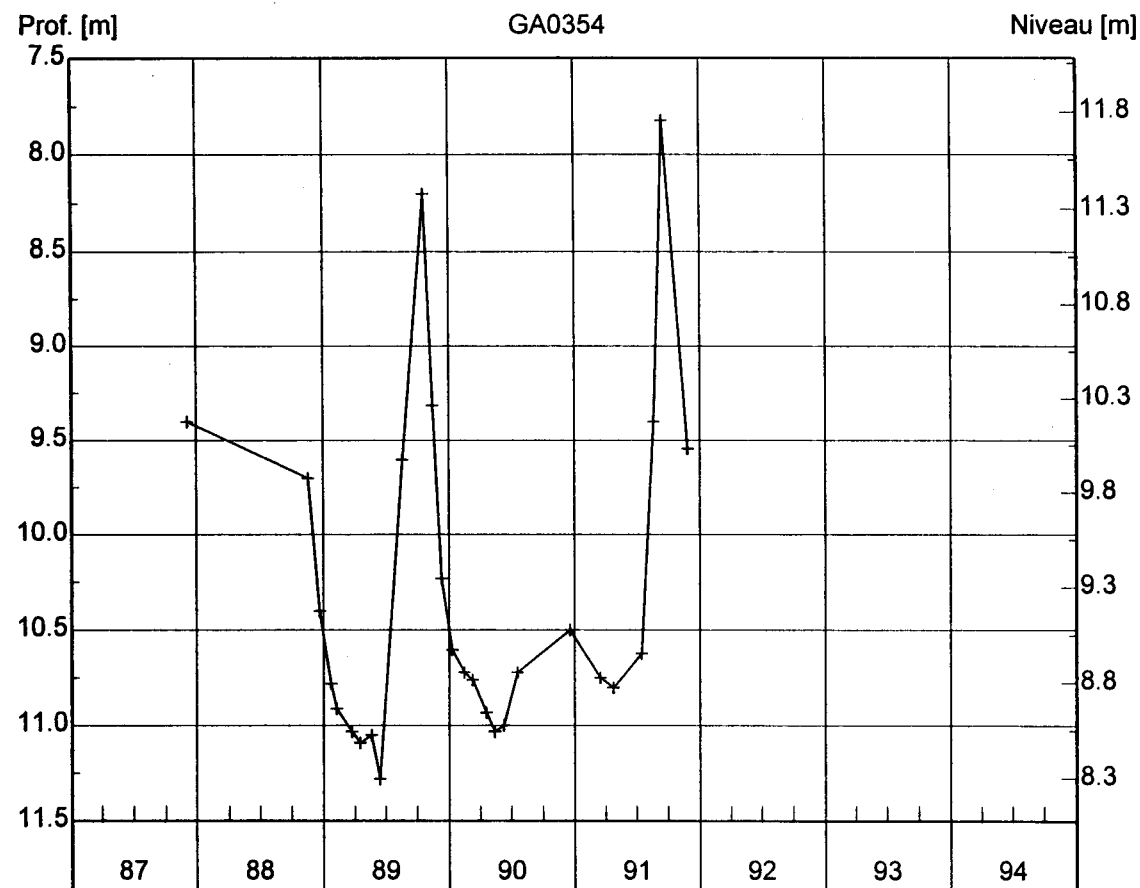


|                       |                     |
|-----------------------|---------------------|
| Prof<br>1450          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>2300    |
| Unite Geol<br>OG      | Unite Geom<br>S     |
| Limnim<br>15          | Dist Limn<br>60.600 |
| Pluviom<br>31         | Dist Pluv<br>7.200  |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 30 10 1987 | 8.29   | 14 11 1989 | 8.27   |      |        |
| 17 07 1988 | 6.69   | 10 12 1989 | 8.16   |      |        |
| 6 08 1988  | 6.81   | 10 01 1990 | 7.95   |      |        |
| 19 09 1988 | 6.84   | 13 02 1990 | 7.79   |      |        |
| 17 10 1988 | 8.08   | 11 03 1990 | 7.64   |      |        |
| 17 11 1988 | 8.11   | 18 04 1990 | 7.52   |      |        |
| 20 12 1988 | 8.04   | 15 05 1990 | 7.41   |      |        |
| 16 01 1989 | 7.84   | 8 06 1990  | 7.34   |      |        |
| 5 02 1989  | 7.99   | 19 07 1990 | 7.24   |      |        |
| 17 03 1989 | 7.52   | 7 11 1990  | 7.57   |      |        |
| 18 04 1989 | 7.35   | 20 12 1990 | 7.71   |      |        |
| 19 05 1989 | 7.34   | 17 03 1991 | 7.42   |      |        |
| 12 06 1989 | 7.23   | 21 04 1991 | 7.39   |      |        |
| 25 07 1989 | 7.44   | 17 07 1991 | 7.12   |      |        |
| 20 08 1989 | 7.68   | 19 08 1991 | 7.28   |      |        |
| 20 09 1989 | 8.19   | 14 09 1991 | 7.59   |      |        |
| 20 10 1989 | 8.19   | 28 11 1991 | 7.74   |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                             |             |                 |                            |                              |
|-----------------------------|-------------|-----------------|----------------------------|------------------------------|
| Piézomètre<br><b>GA0354</b> |             | Pays<br>Sénégal | Communauté rurale          | Feuille : <b>SELIBABI 1C</b> |
| X<br>726.9                  | Y<br>1696.0 | Z<br>18.534     | Repère de mesure<br>19.524 | Coupe C13                    |

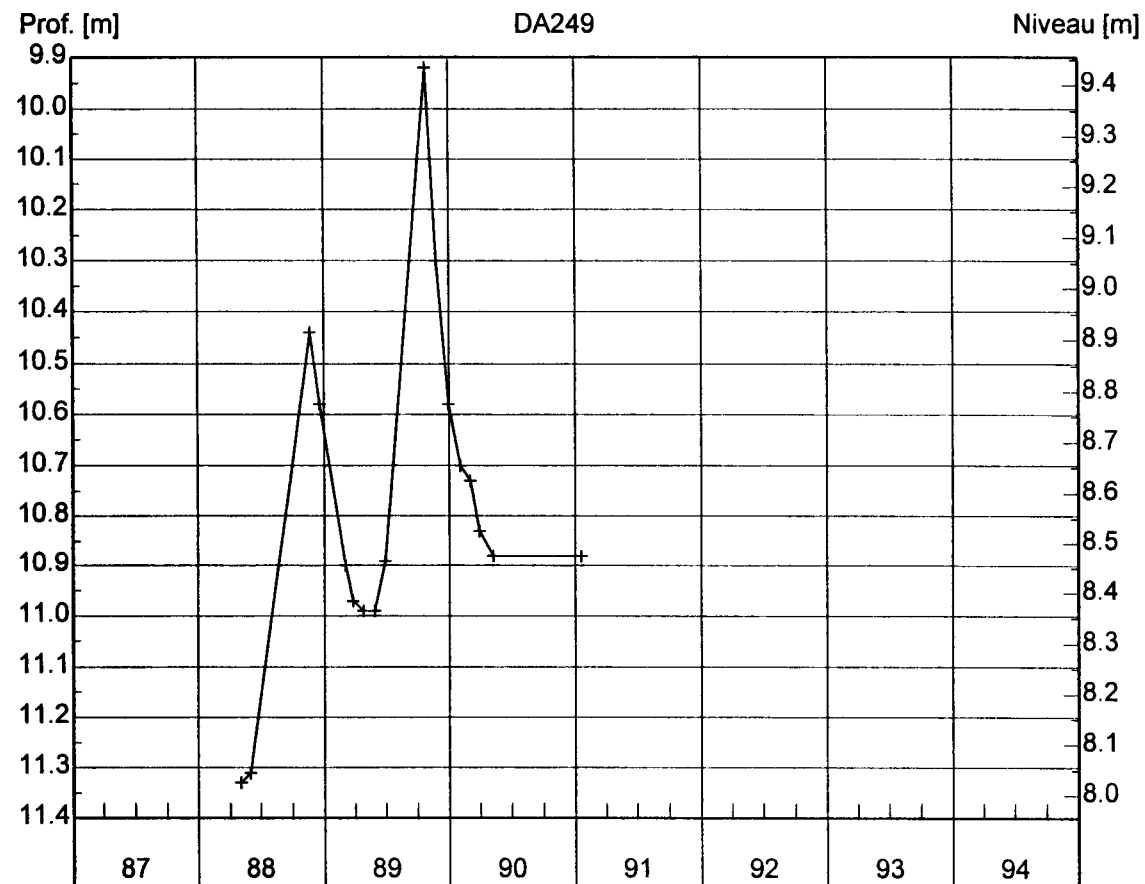


|                       |                     |
|-----------------------|---------------------|
| Prof<br>1540          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>50      |
| Unite Geol<br>QT      | Unite Geom<br>E     |
| Limnim<br>15          | Dist Limn<br>54.200 |
| Pluviom<br>31         | Dist Pluv<br>16.500 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 5 12 1987  | 10.12  | 13 05 1990 | 8.49   |      |        |
| 18 11 1988 | 9.82   | 8 06 1990  | 8.52   |      |        |
| 20 12 1988 | 9.12   | 19 07 1990 | 8.80   |      |        |
| 23 01 1989 | 8.74   | 20 12 1990 | 9.02   |      |        |
| 8 02 1989  | 8.61   | 17 03 1991 | 8.77   |      |        |
| 24 03 1989 | 8.49   | 23 04 1991 | 8.72   |      |        |
| 16 04 1989 | 8.43   | 17 07 1991 | 8.90   |      |        |
| 19 05 1989 | 8.47   | 19 08 1991 | 10.12  |      |        |
| 12 06 1989 | 8.24   | 15 09 1991 | 11.70  |      |        |
| 20 08 1989 | 9.92   | 28 11 1991 | 9.98   |      |        |
| 20 10 1989 | 11.32  |            |        |      |        |
| 15 11 1989 | 10.21  |            |        |      |        |
| 10 12 1989 | 9.29   |            |        |      |        |
| 10 01 1990 | 8.92   |            |        |      |        |
| 13 02 1990 | 8.80   |            |        |      |        |
| 11 03 1990 | 8.76   |            |        |      |        |
| 18 04 1990 | 8.59   |            |        |      |        |

# VARIATION DU NIVEAU PIEZOMETRIQUE

|                            |             |                    |                            |                              |
|----------------------------|-------------|--------------------|----------------------------|------------------------------|
| Piézomètre<br><b>DA249</b> |             | Pays<br>Mauritanie | Communauté rurale          | Feuille : <b>SELIBABI 1C</b> |
| X<br>727.8                 | Y<br>1696.7 | Z<br>18.325        | Repère de mesure<br>19.305 | Coupe C13                    |

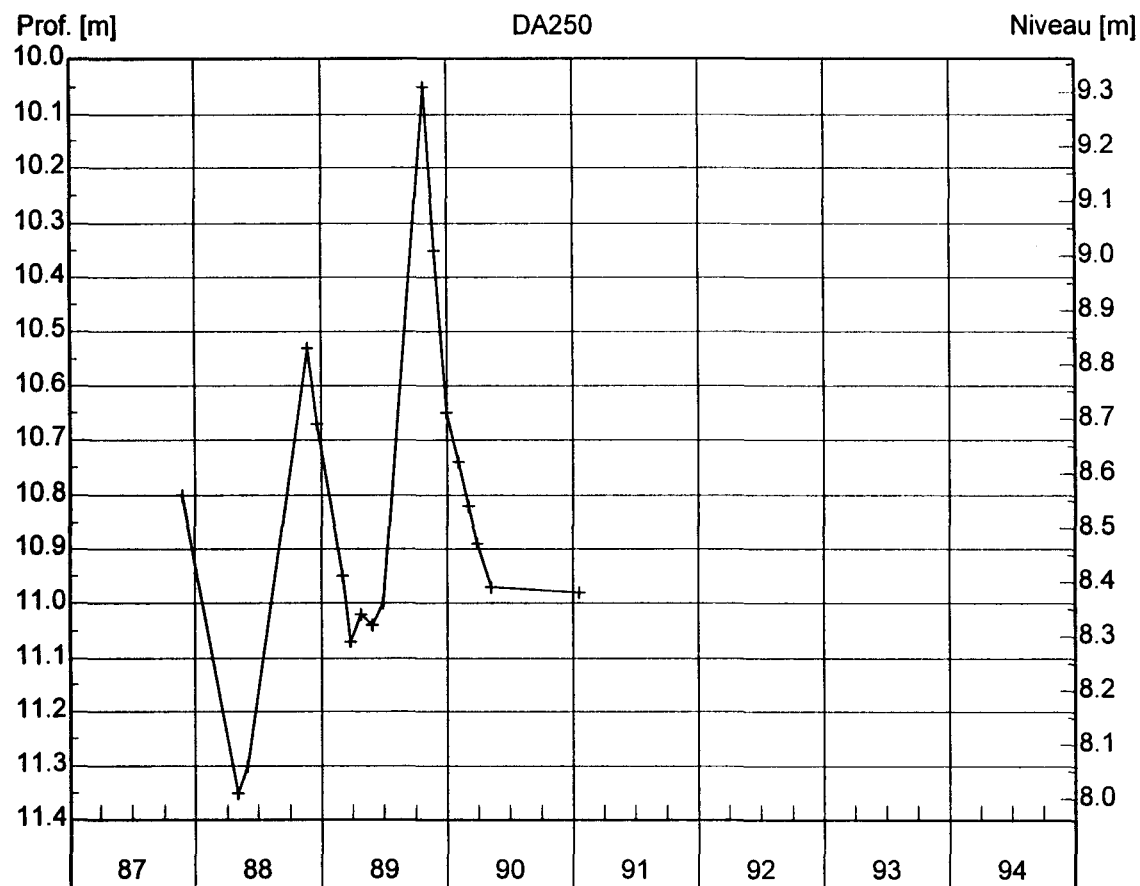


|                       |                     |
|-----------------------|---------------------|
| Prof<br>5900          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>500     |
| Unite Geol<br>EC      | Unite Geom<br>N     |
| Limnim<br>15          | Dist Limn<br>54.000 |
| Pluviom<br>31         | Dist Pluv<br>17.500 |

| Date       | Niveau | Date | Niveau | Date | Niveau |
|------------|--------|------|--------|------|--------|
| 1 05 1988  | 7.98   |      |        |      |        |
| 31 05 1988 | 7.99   |      |        |      |        |
| 22 11 1988 | 8.87   |      |        |      |        |
| 18 12 1988 | 8.73   |      |        |      |        |
| 3 03 1989  | 8.41   |      |        |      |        |
| 26 03 1989 | 8.34   |      |        |      |        |
| 25 04 1989 | 8.32   |      |        |      |        |
| 28 05 1989 | 8.32   |      |        |      |        |
| 27 06 1989 | 8.41   |      |        |      |        |
| 25 10 1989 | 9.39   |      |        |      |        |
| 25 11 1989 | 9.01   |      |        |      |        |
| 29 12 1989 | 8.73   |      |        |      |        |
| 4 02 1990  | 8.61   |      |        |      |        |
| 4 03 1990  | 8.58   |      |        |      |        |
| 31 03 1990 | 8.48   |      |        |      |        |
| 9 05 1990  | 8.43   |      |        |      |        |
| 18 01 1991 | 8.43   |      |        |      |        |

# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                              |
|----------------------------|-------------|--------------------|----------------------------|------------------------------|
| Piézomètre<br><b>DA250</b> |             | Pays<br>Mauritanie | Communauté rurale          | Feuille : <b>SELIBABI 1C</b> |
| X<br>727.8                 | Y<br>1696.7 | Z<br>18.320        | Repère de mesure<br>19.310 | Coupe C13                    |



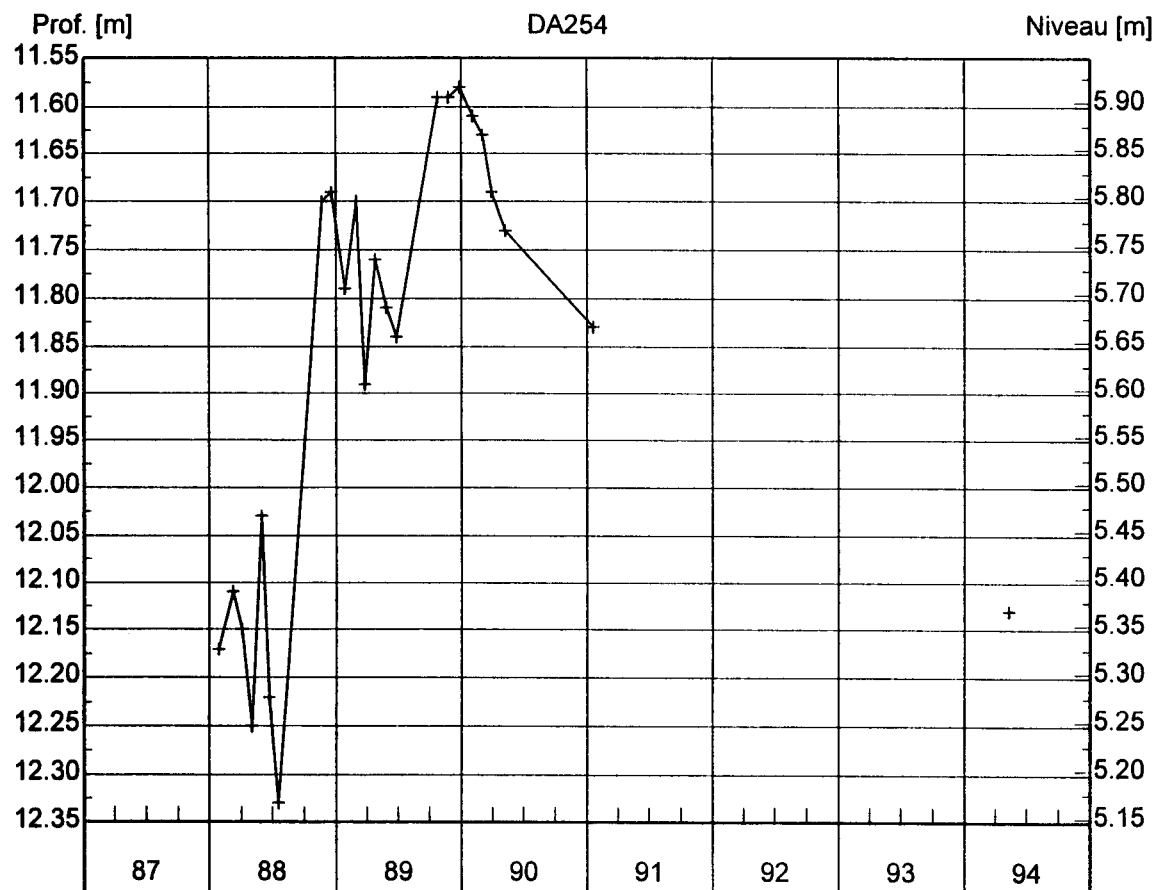
|                       |                     |
|-----------------------|---------------------|
| Prof<br>3550          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>500     |
| Unite Geol<br>QT      | Unite Geom<br>N     |
| Limnim<br>15          | Dist Limn<br>54.000 |
| Pluviom<br>31         | Dist Pluv<br>17.500 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 23 11 1987 | 8.51   | 18 01 1991 | 8.33   |      |        |
| 1 05 1988  | 7.96   |            |        |      |        |
| 31 05 1988 | 8.01   |            |        |      |        |
| 22 11 1988 | 8.78   |            |        |      |        |
| 18 12 1988 | 8.64   |            |        |      |        |
| 3 03 1989  | 8.36   |            |        |      |        |
| 26 03 1989 | 8.24   |            |        |      |        |
| 25 04 1989 | 8.29   |            |        |      |        |
| 28 05 1989 | 8.27   |            |        |      |        |
| 27 06 1989 | 8.31   |            |        |      |        |
| 25 10 1989 | 9.26   |            |        |      |        |
| 25 11 1989 | 8.96   |            |        |      |        |
| 29 12 1989 | 8.66   |            |        |      |        |
| 4 02 1990  | 8.57   |            |        |      |        |
| 4 03 1990  | 8.49   |            |        |      |        |
| 31 03 1990 | 8.42   |            |        |      |        |
| 9 05 1990  | 8.34   |            |        |      |        |



# **VARIATION DU NIVEAU PIEZOMETRIQUE**

|                            |             |                    |                            |                              |
|----------------------------|-------------|--------------------|----------------------------|------------------------------|
| Piézomètre<br><b>DA254</b> |             | Pays<br>Mauritanie | Communauté rurale          | Feuille : <b>SELIBABI 1C</b> |
| X<br>729.8                 | Y<br>1700.5 | Z<br>16.486        | Repère de mesure<br>17.496 | Coupe C13                    |



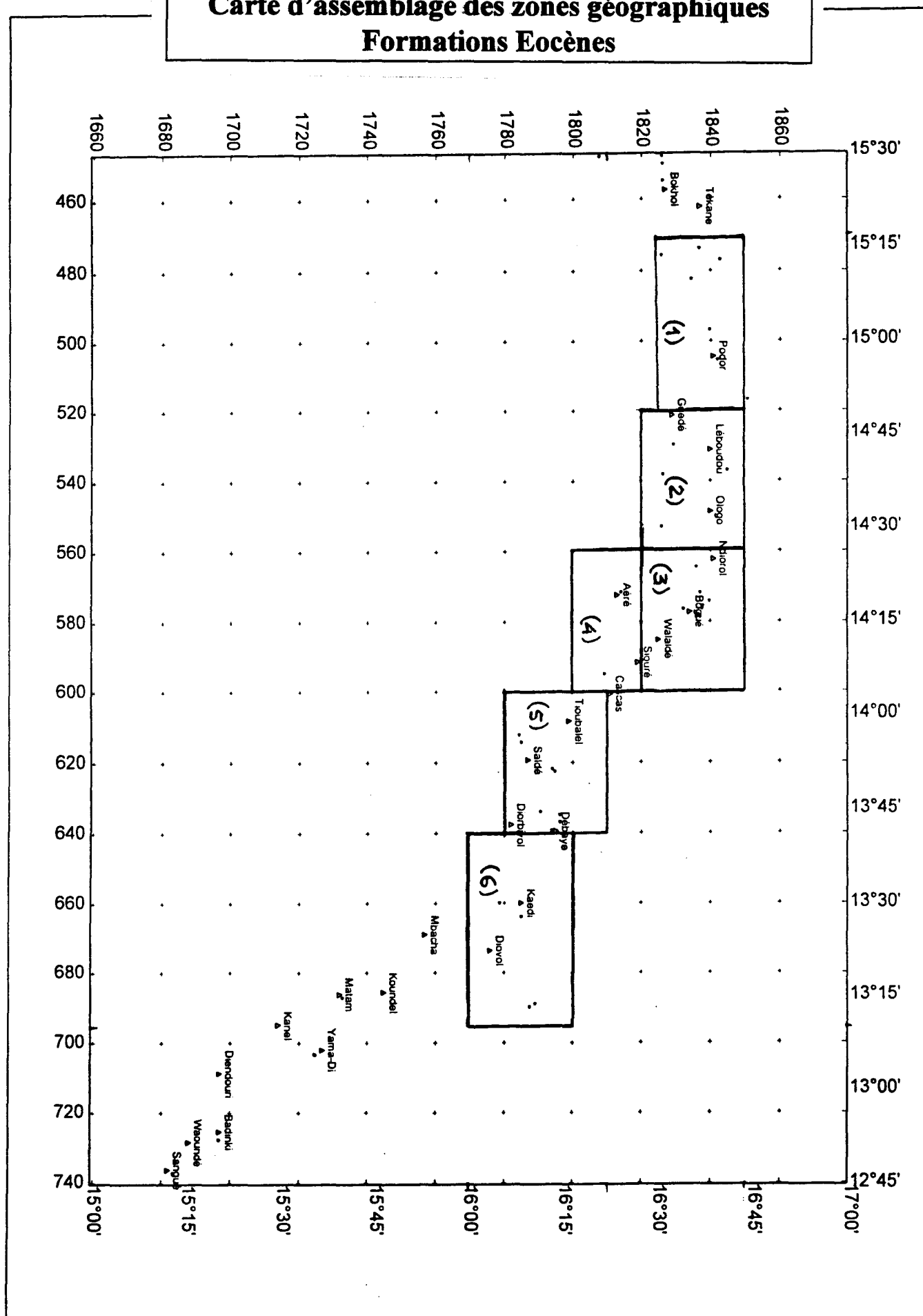
|                       |                     |
|-----------------------|---------------------|
| Prof<br>2250          | Annee<br>1987       |
| Fleuve<br>FL. SENEGAL | Dist eau<br>4500    |
| Unite Geol<br>OG      | Unite Geom<br>T     |
| Limnim<br>15          | Dist Limn<br>52.700 |
| Pluviom<br>31         | Dist Pluv<br>21.600 |

| Date       | Niveau | Date       | Niveau | Date | Niveau |
|------------|--------|------------|--------|------|--------|
| 26 01 1988 | 5.33   | 28 12 1989 | 5.92   |      |        |
| 7 03 1988  | 5.39   | 4 02 1990  | 5.89   |      |        |
| 4 04 1988  | 5.35   | 3 03 1990  | 5.87   |      |        |
| 1 05 1988  | 5.25   | 31 03 1990 | 5.81   |      |        |
| 31 05 1988 | 5.47   | 9 05 1990  | 5.77   |      |        |
| 22 06 1988 | 5.28   | 18 01 1991 | 5.67   |      |        |
| 18 07 1988 | 5.17   | 9 05 1994  | 5.37   |      |        |
| 22 11 1988 | 5.80   |            |        |      |        |
| 18 12 1988 | 5.81   |            |        |      |        |
| 27 01 1989 | 5.71   |            |        |      |        |
| 2 03 1989  | 5.80   |            |        |      |        |
| 26 03 1989 | 5.61   |            |        |      |        |
| 25 04 1989 | 5.74   |            |        |      |        |
| 28 05 1989 | 5.69   |            |        |      |        |
| 27 06 1989 | 5.66   |            |        |      |        |
| 25 10 1989 | 5.91   |            |        |      |        |
| 25 11 1989 | 5.91   |            |        |      |        |

# **Annexe 4**

## **Cartes piézométriques des aquifères quaternaires et éocènes**

# **Carte d'assemblage des zones géographiques** **Formations Eocènes**

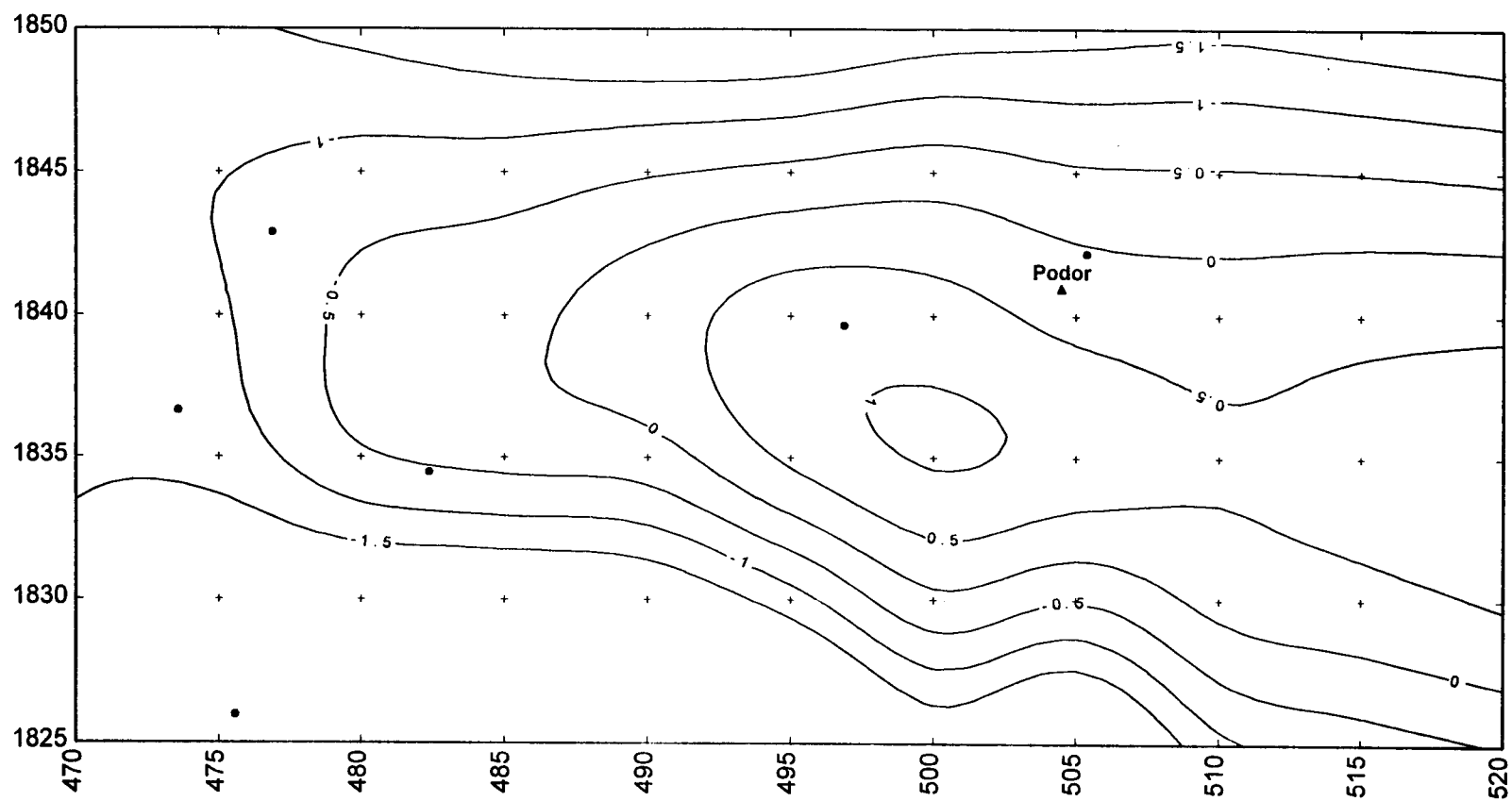


## Formations éocènes : Zone 1

## Niveau piézométrique - Hautes eaux en 1989

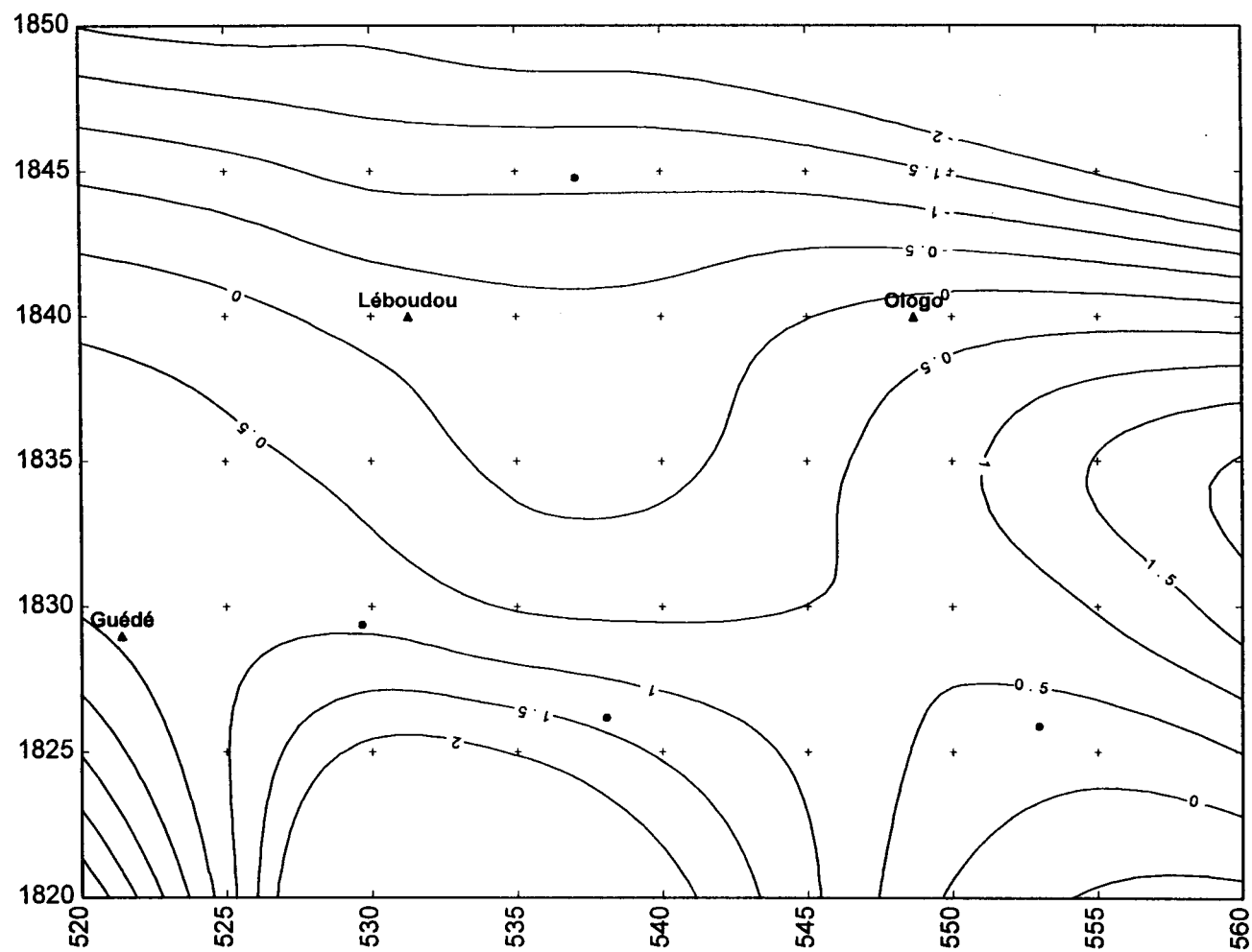
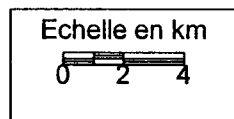
Echelle en km

0 2 4



## Formations éocènes : Zone 2

Niveau piézométrique - Hautes eaux en 1989

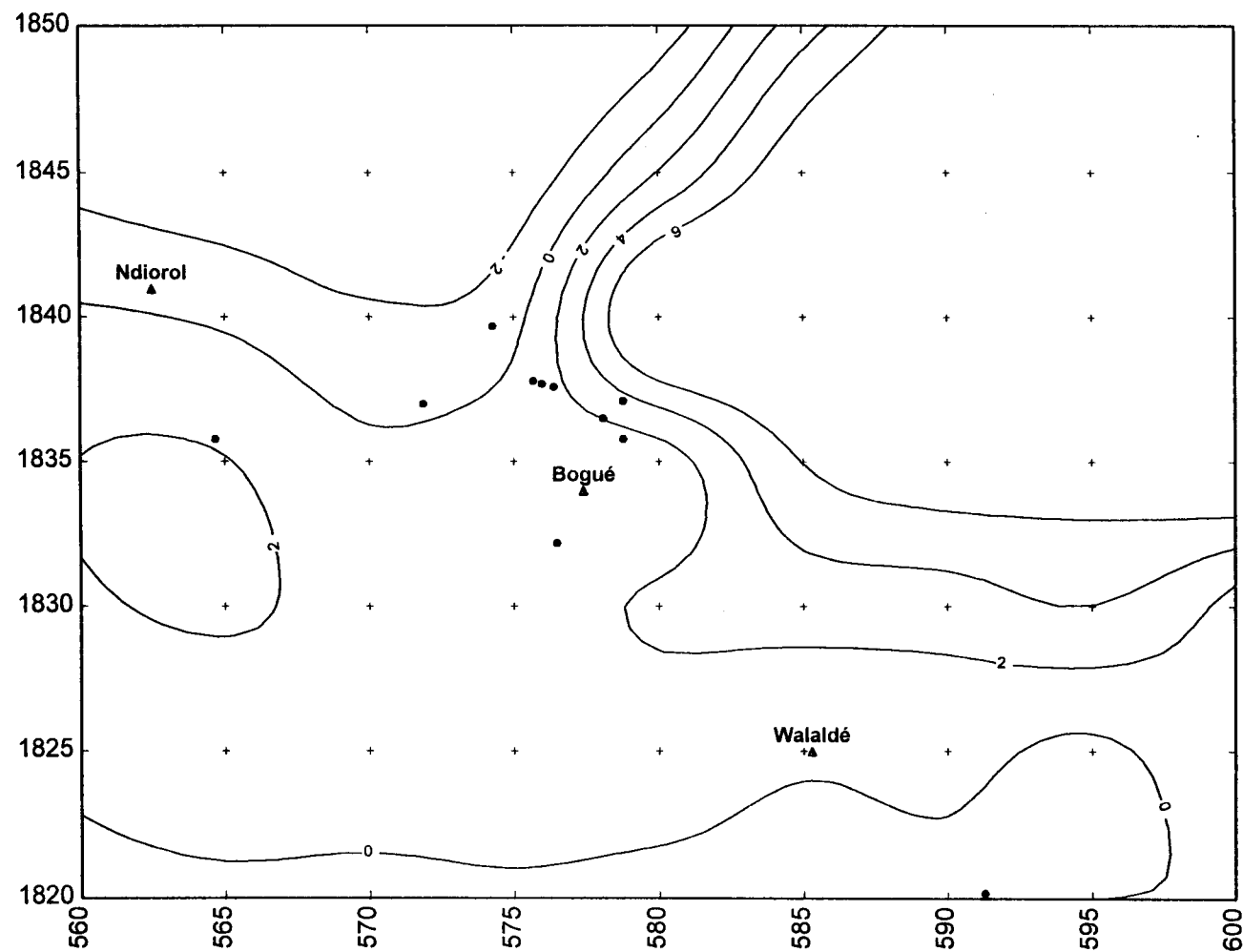


## Formations éocènes : Zone 3

Niveau piézométrique - Hautes eaux en 1989

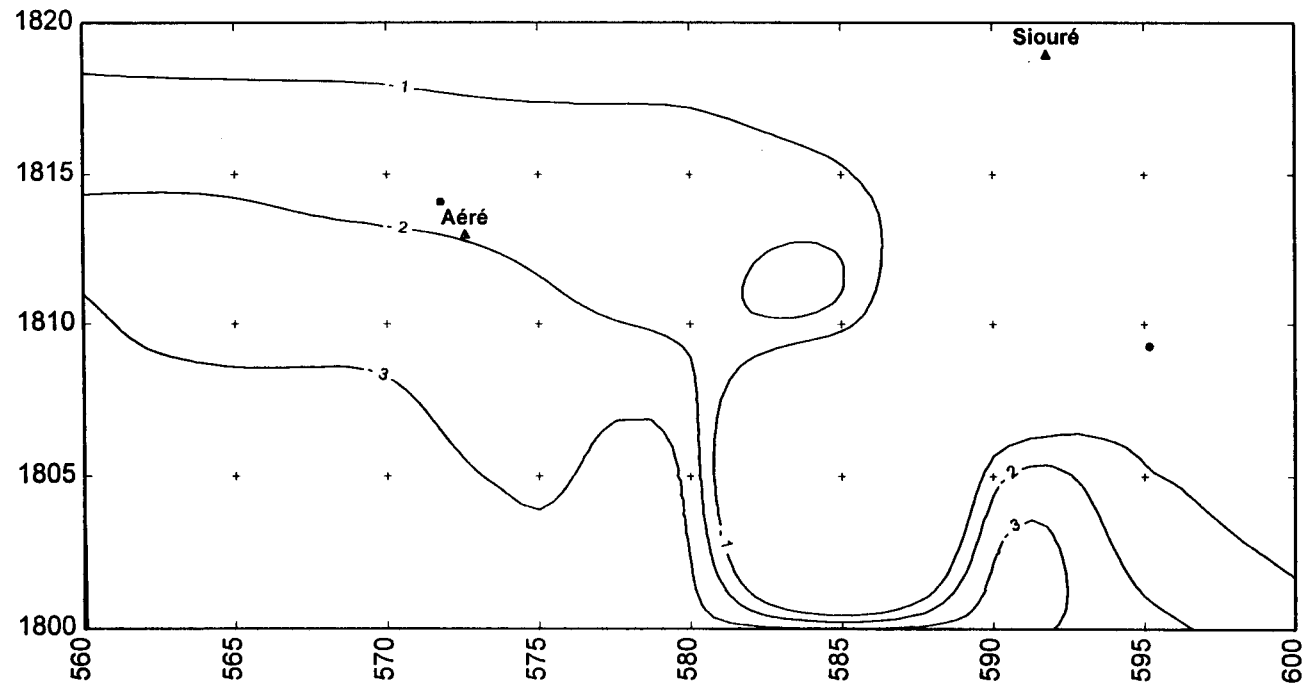
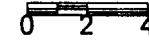
Echelle en km

0 2 4



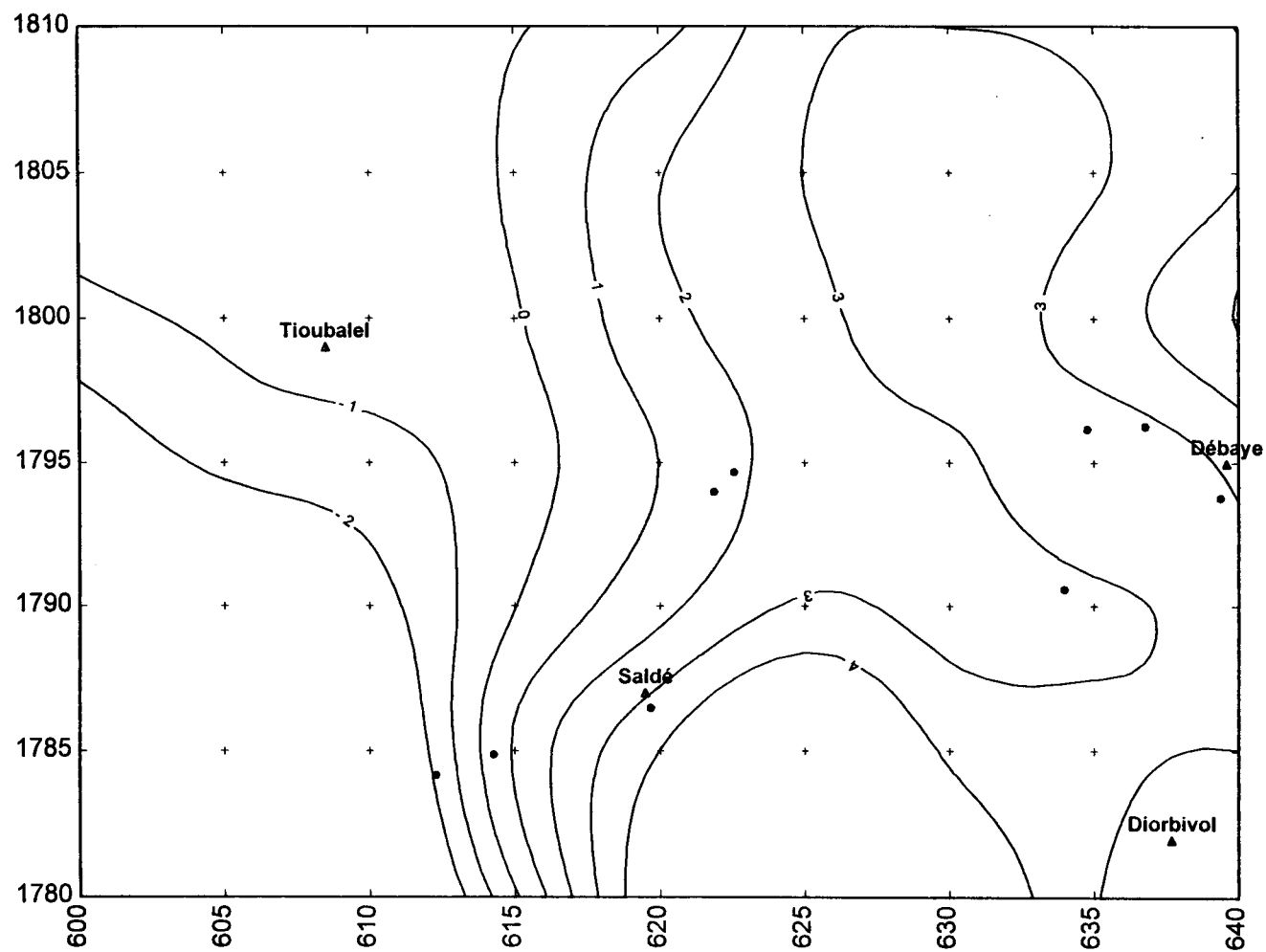
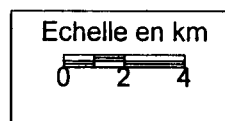
**Formations éocènes : Zone 4****Niveau piézométrique - Hautes eaux en 1989**

Echelle en km



## Formations éocènes : Zone 5

Niveau piézométrique - Hautes eaux en 1989



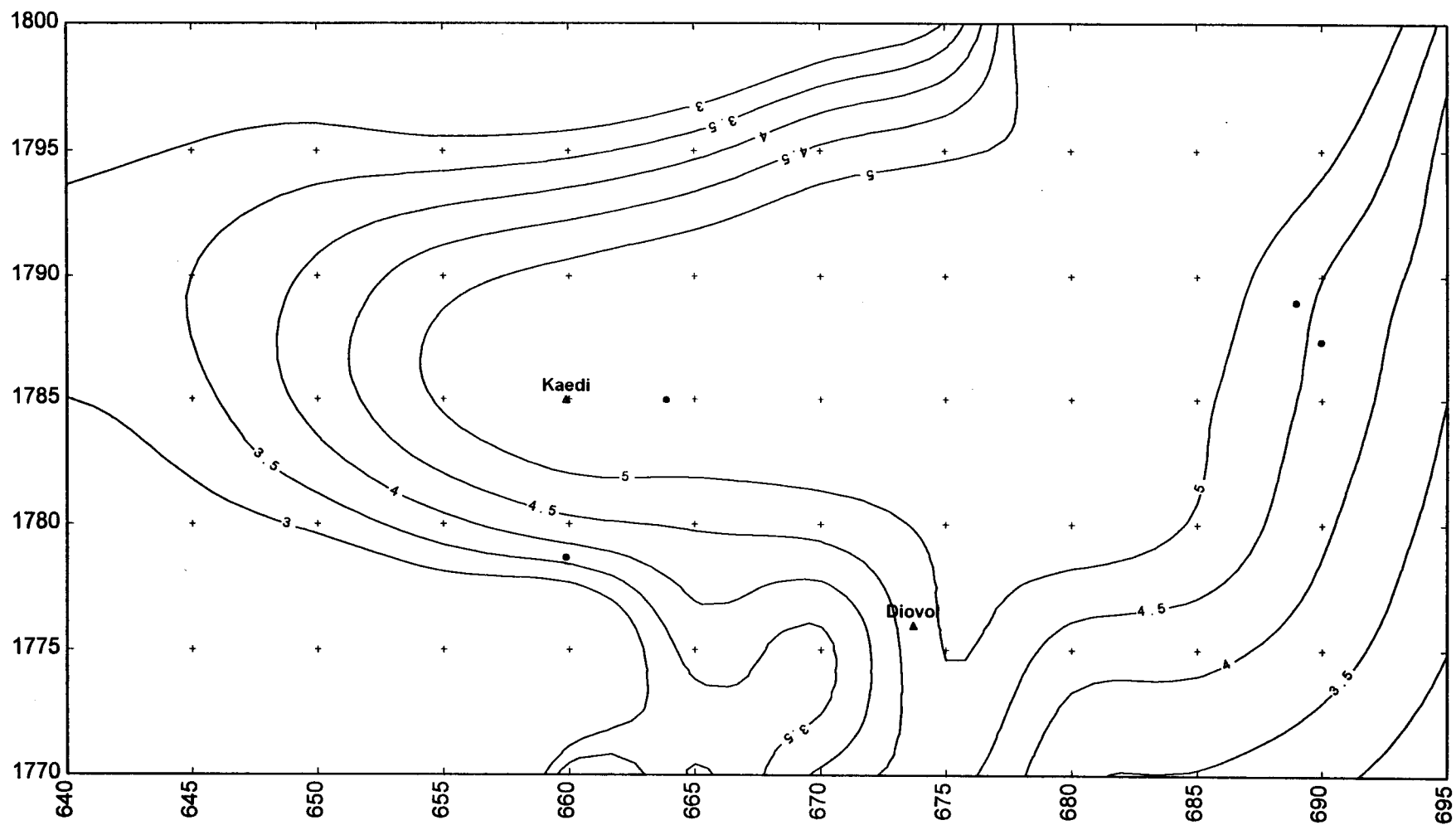


## Formations éocènes : Zone 6

Niveau piézométrique - Hautes eaux en 1989

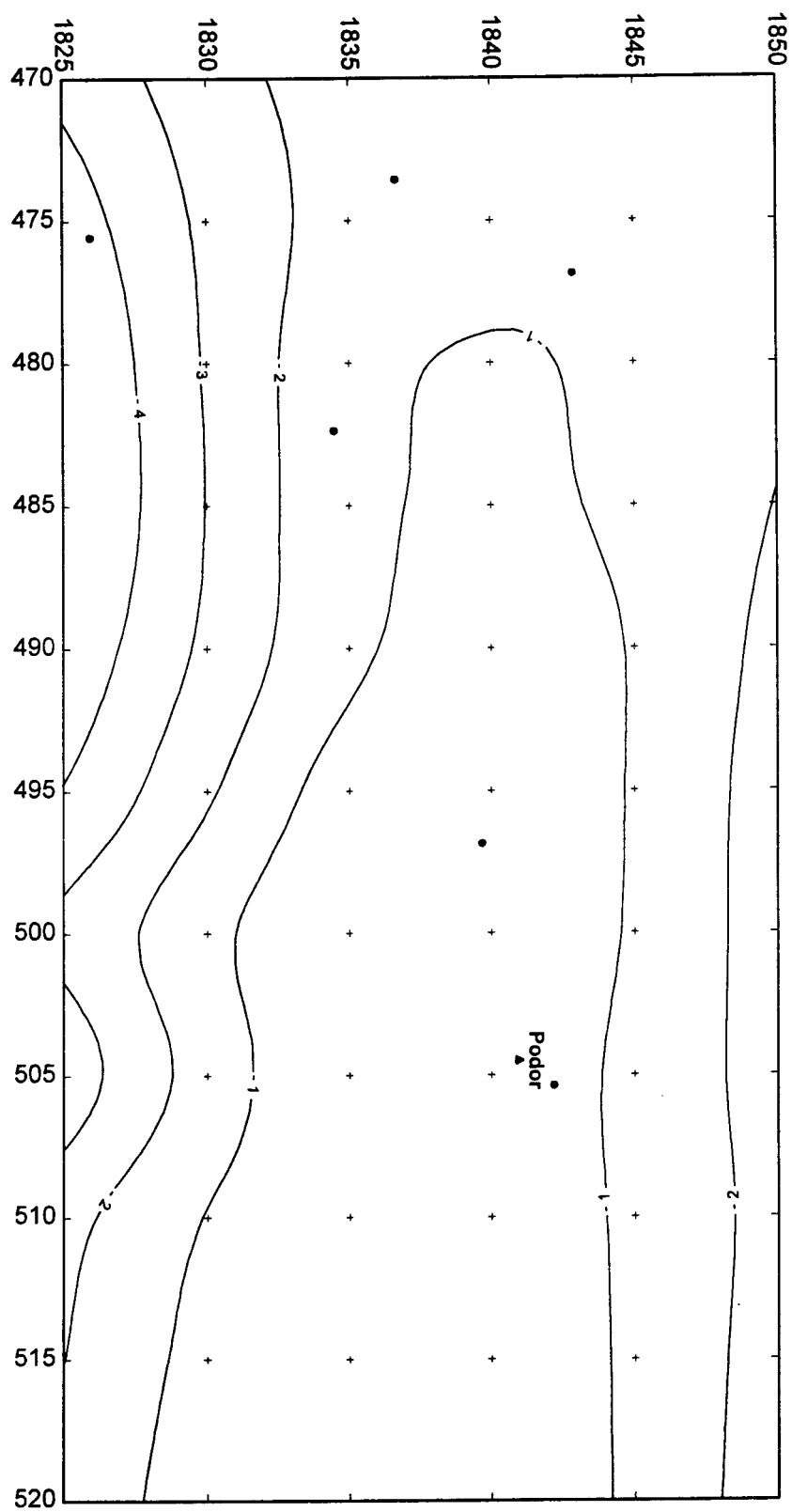
Echelle en km

0 2 4



## Formations éocènes : Zone 1

## Niveau piézométrique - Basses eaux en 1989

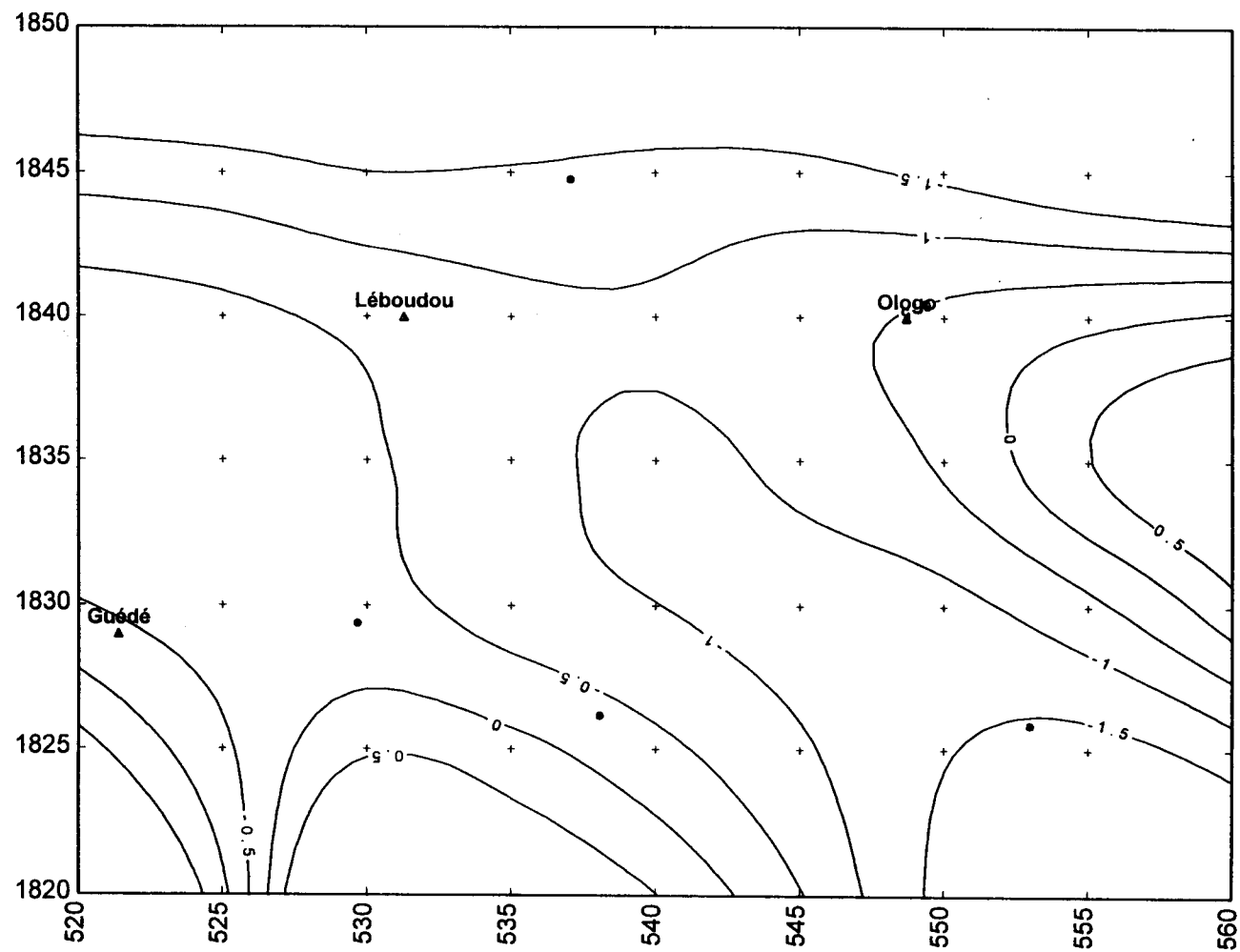


## Formations éocènes : Zone 2

Niveau piézométrique - Basses eaux en 1989

Echelle en km

0 2 4

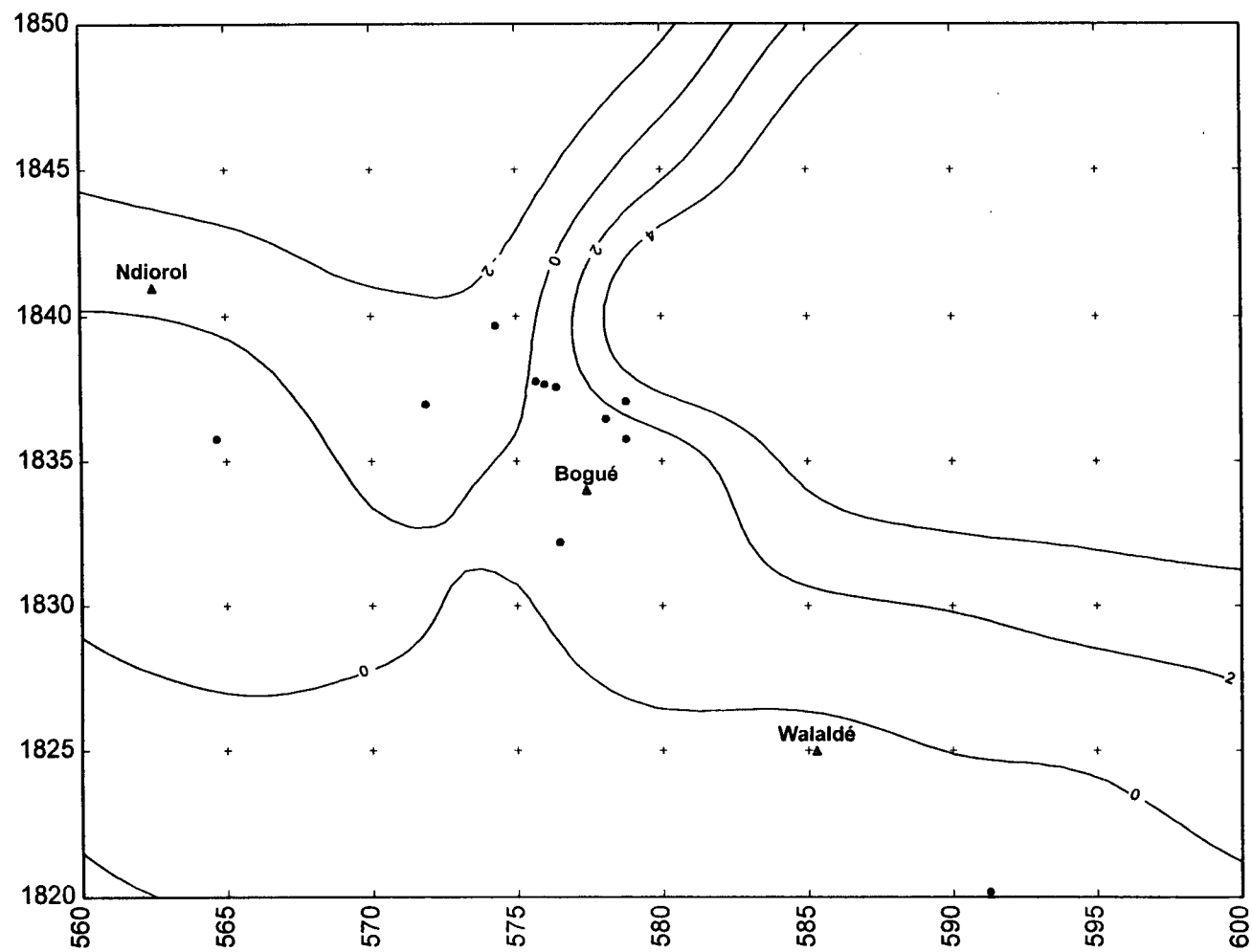


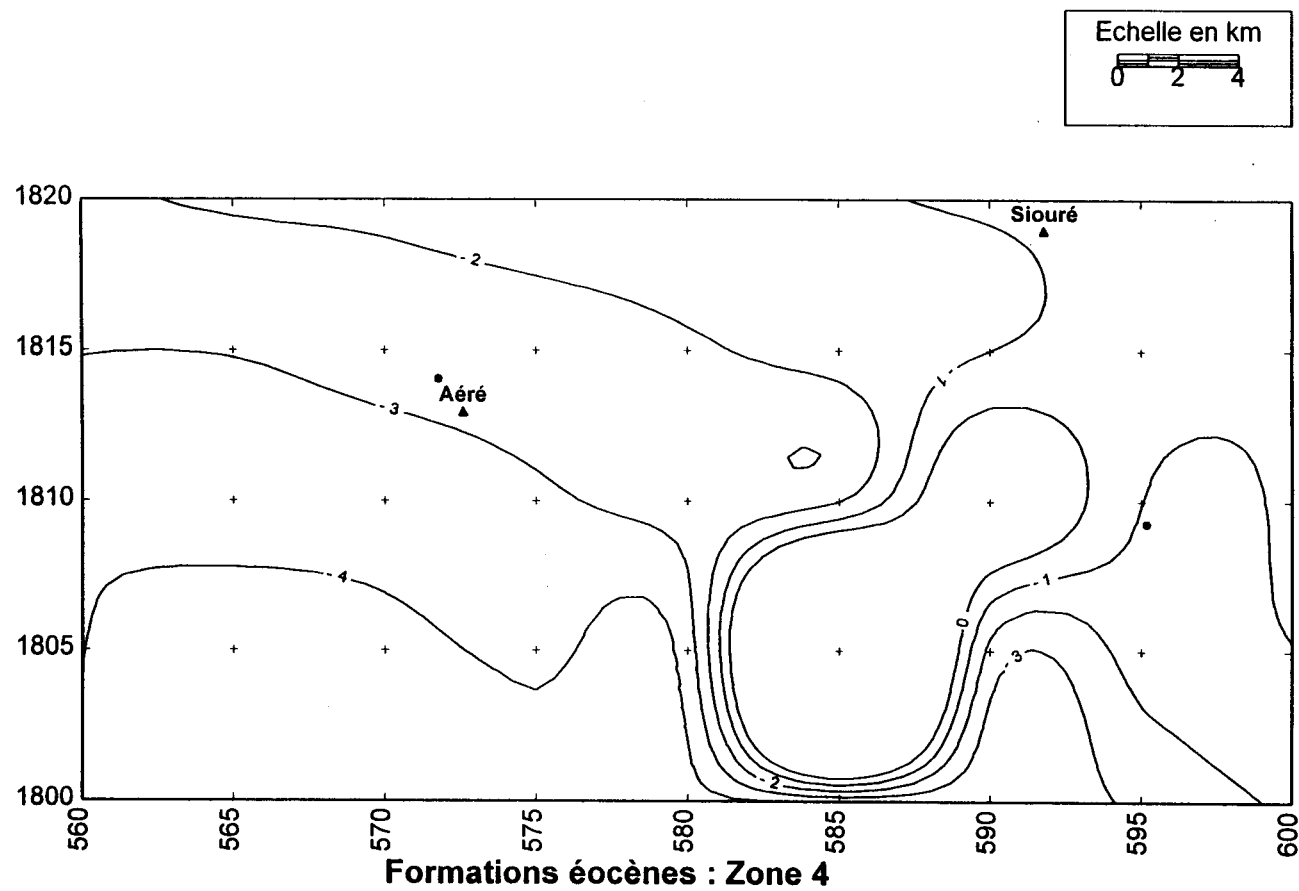
## Formations éocènes : Zone 3

Niveau piézométrique - Basses eaux en 1989

Echelle en km

0 2 4

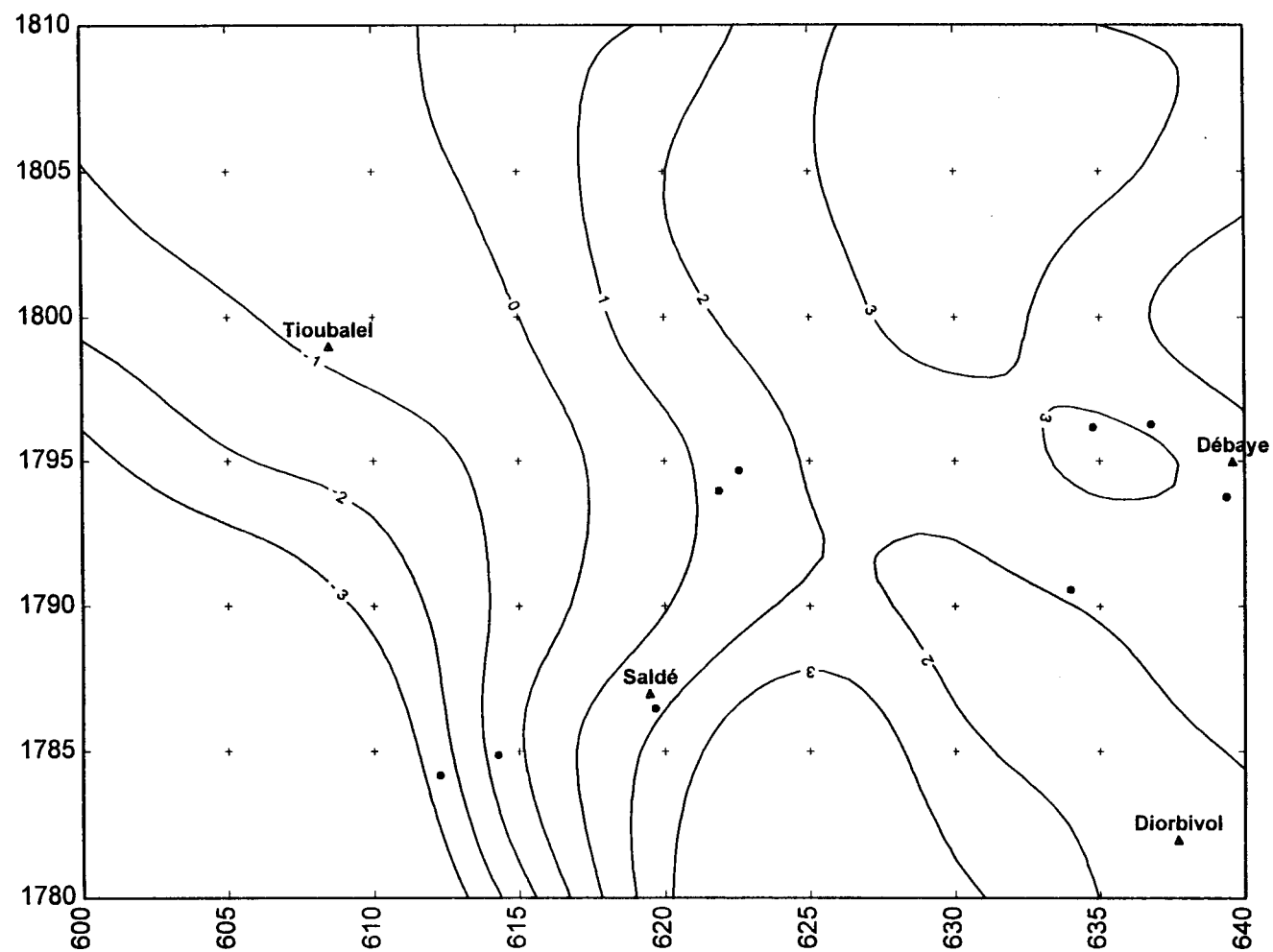
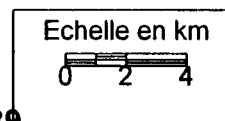




Niveau piézométrique - Basses eaux en 1989

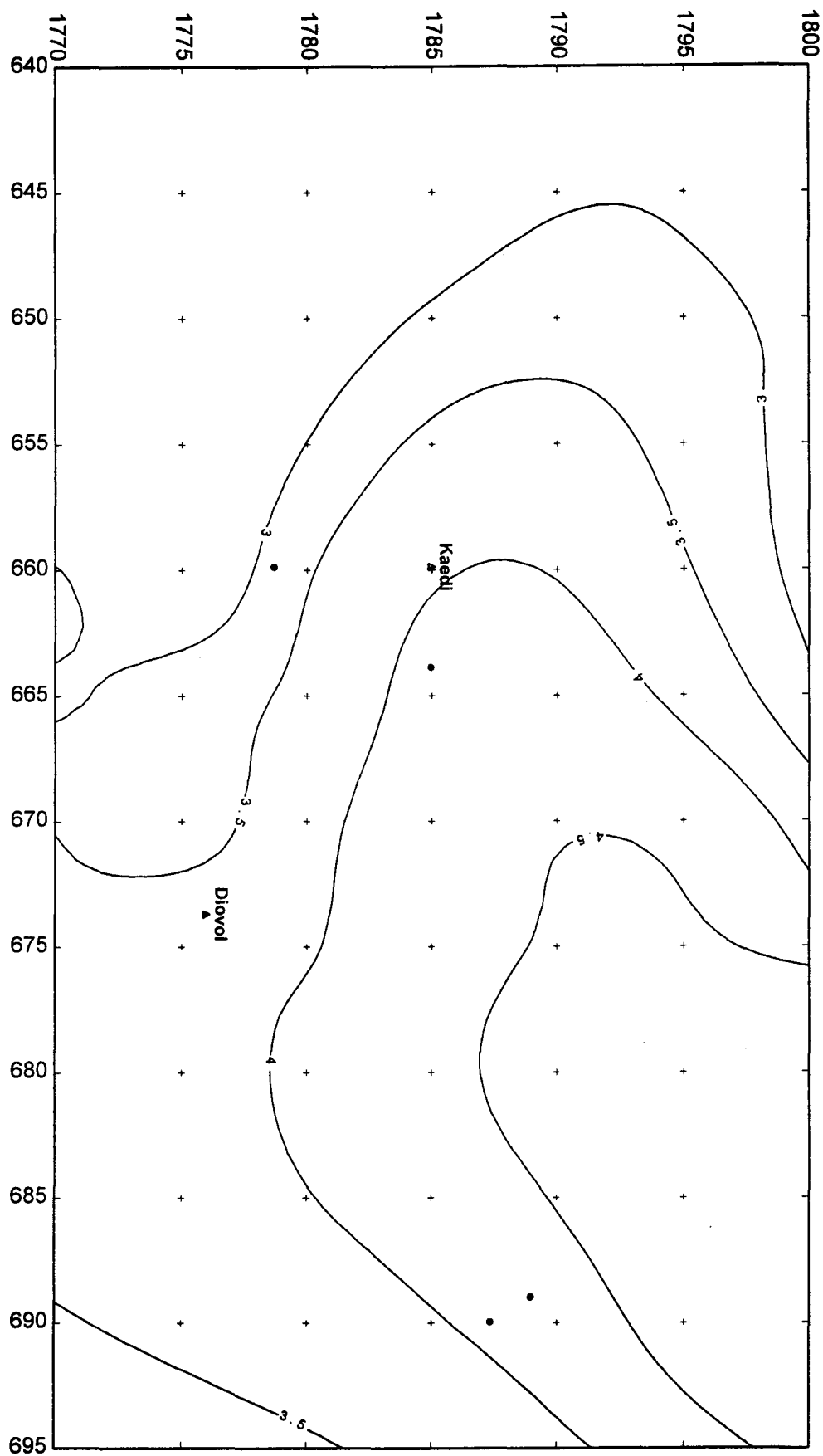
## Formations éocènes : Zone 5

Niveau piézométrique - Basses eaux en 1989



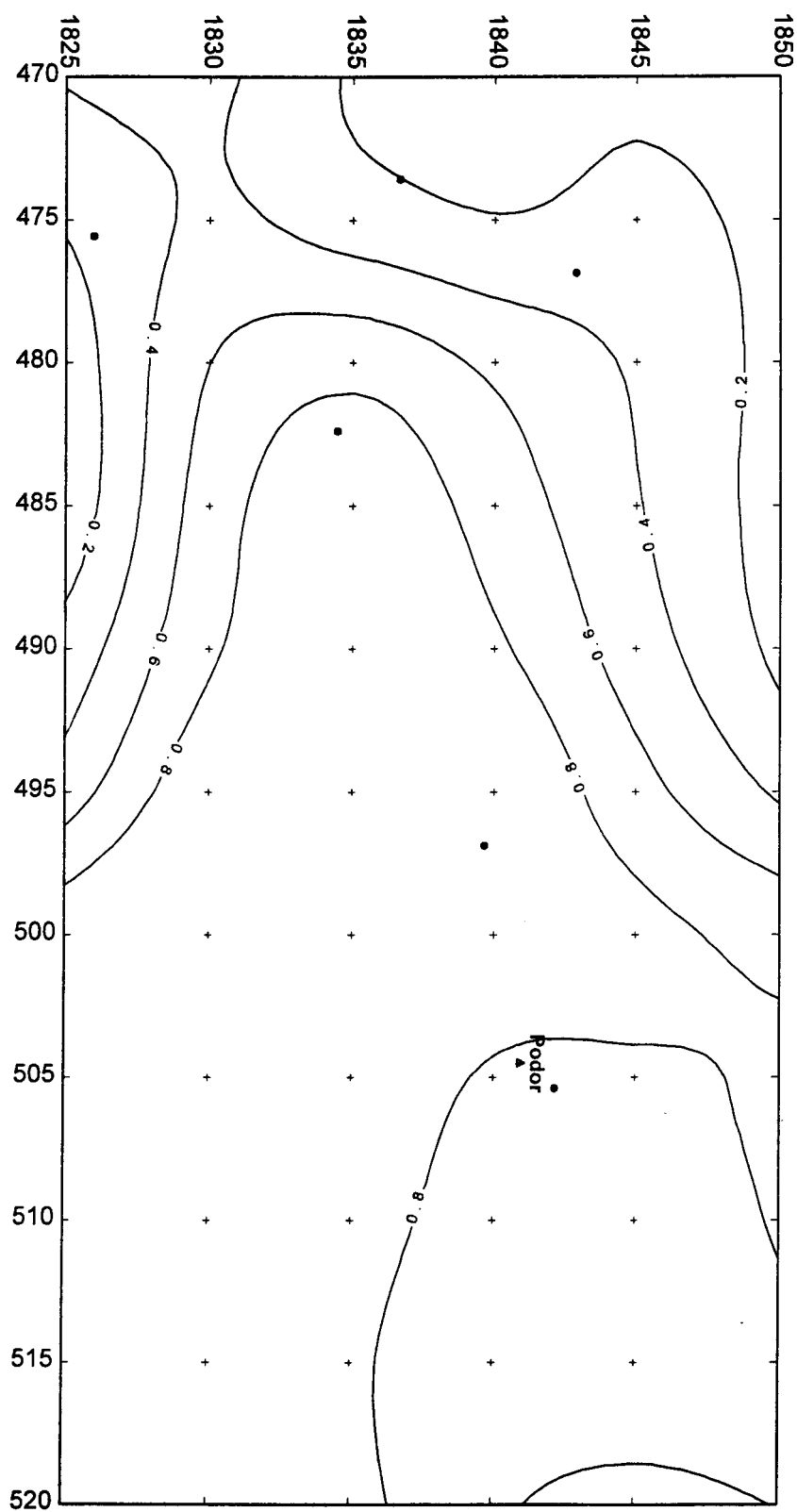
Formations éocènes : Zone 6

Niveau piézométrique - Basses eaux en 1989



Formations éocènes : Zone 1

Variation piézométrique en 1989

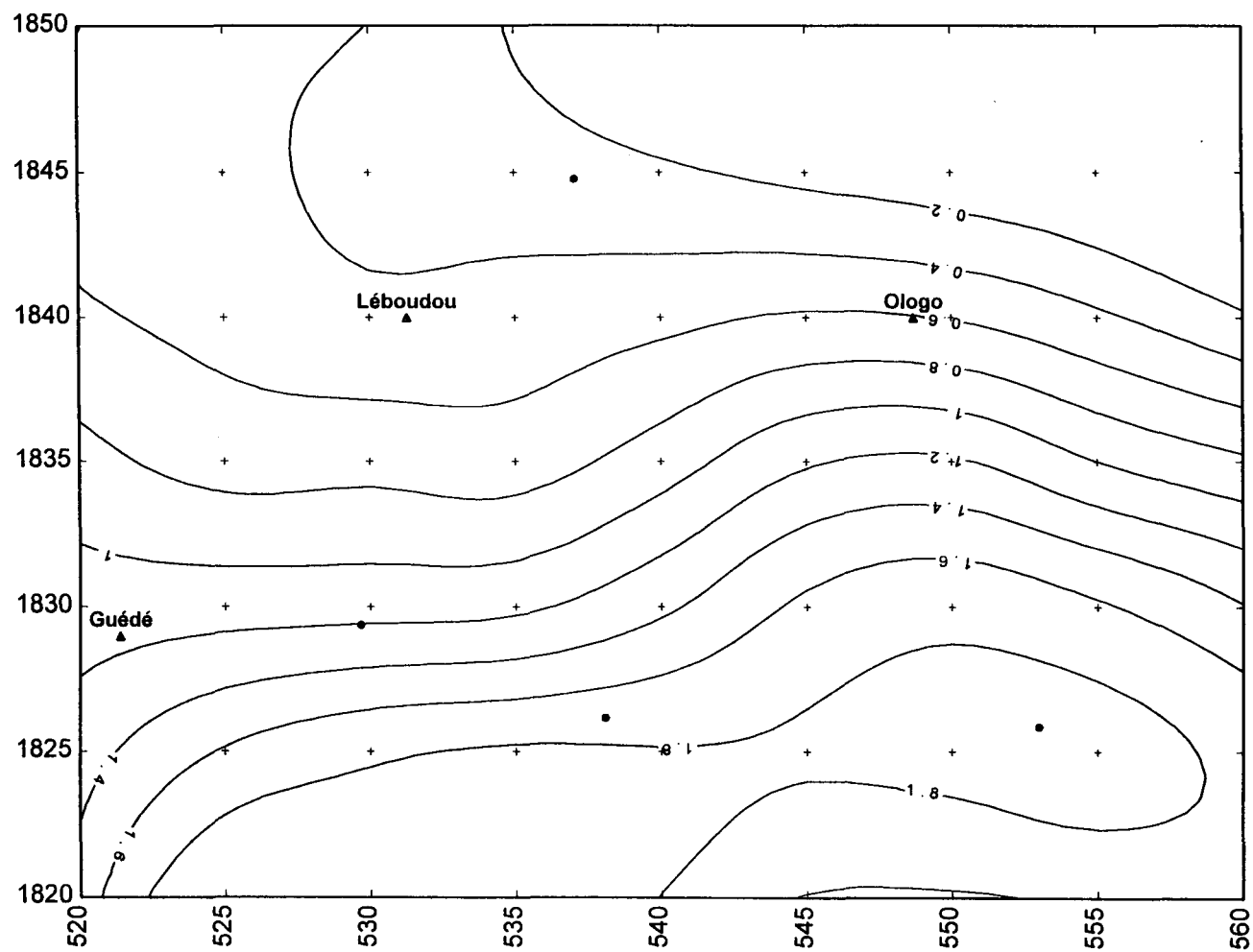
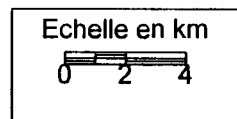


Echelle en km  
0 2 4



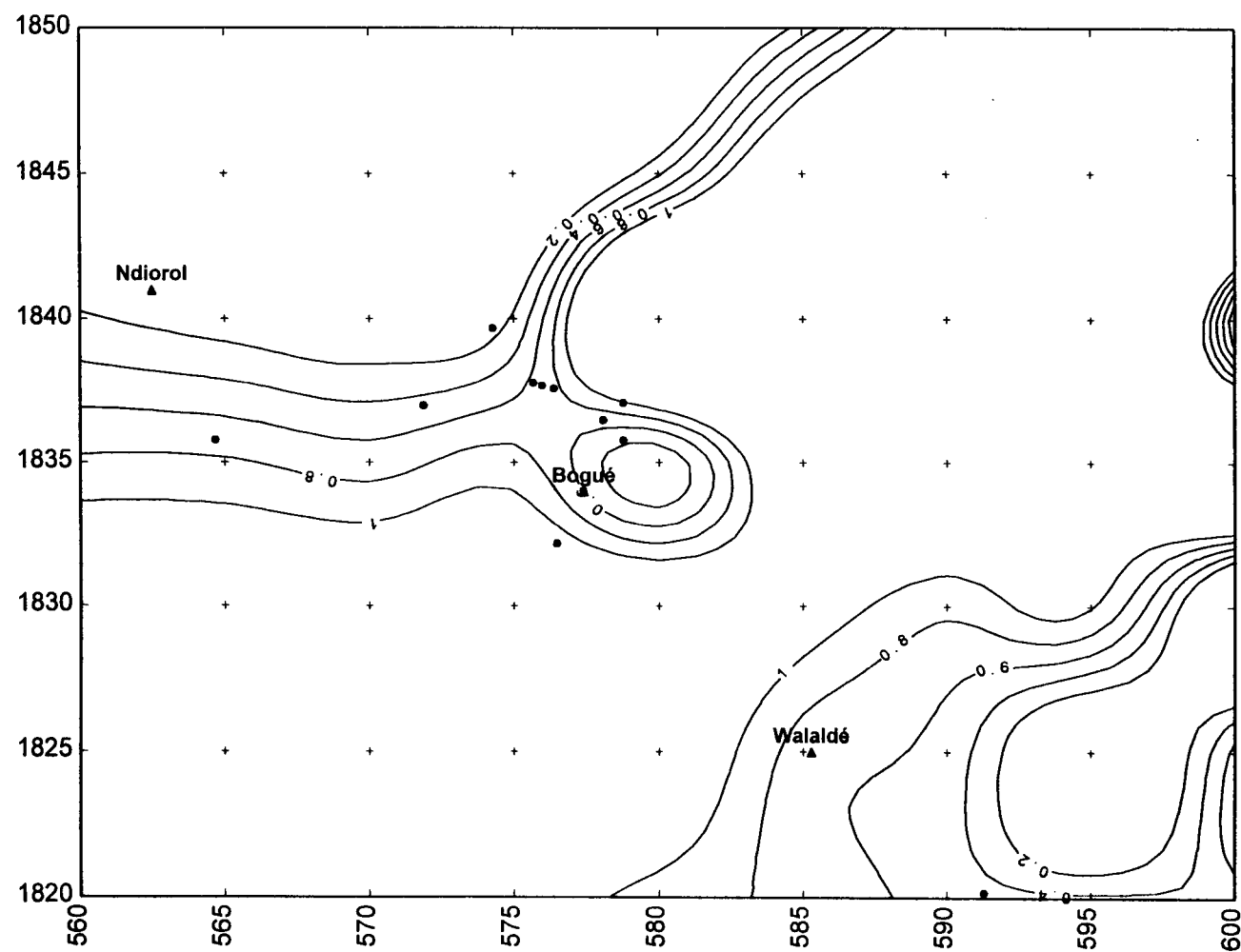
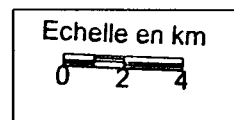
## Formations éocènes : Zone 2

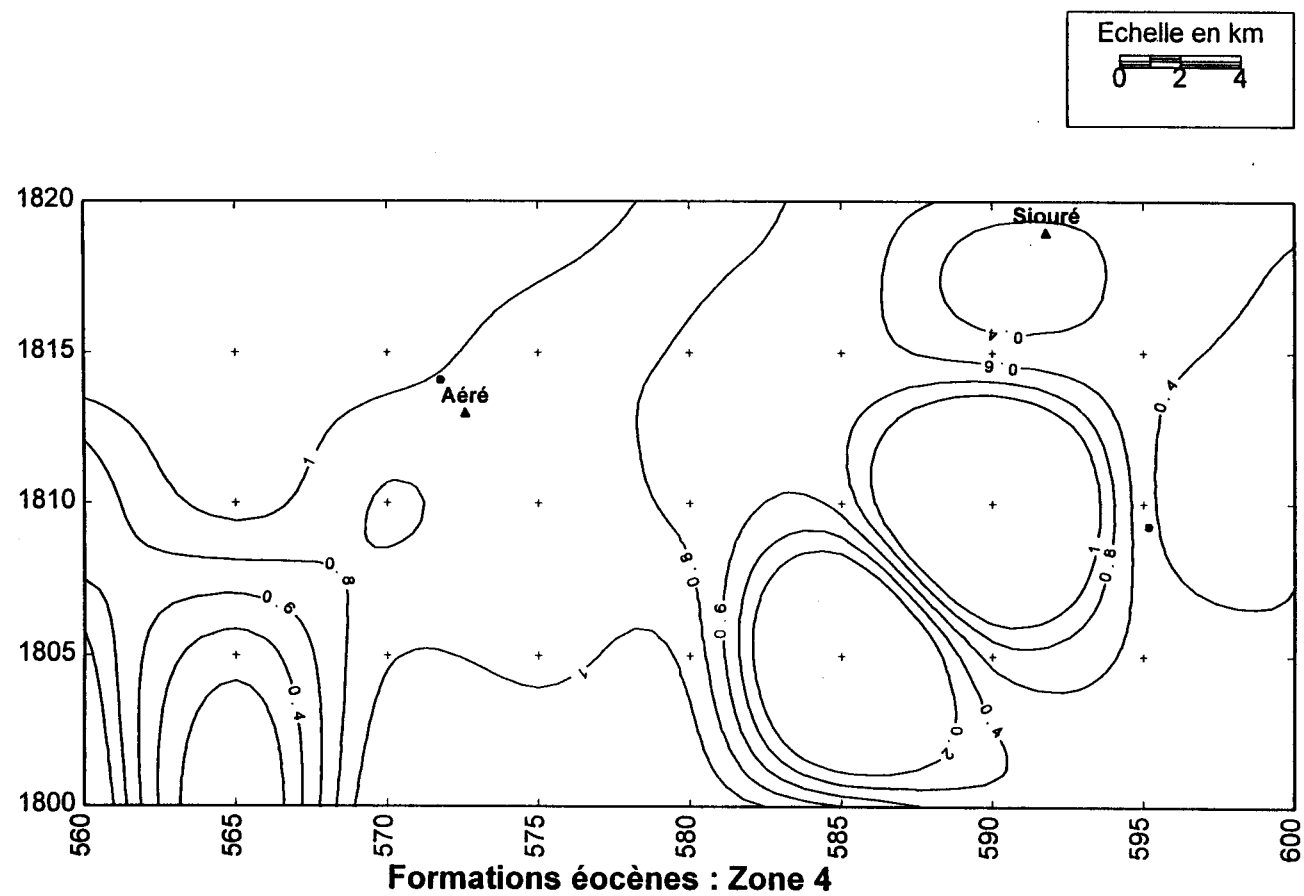
Variation piézométrique en 1989



## Formations éocènes : Zone 3

Variation piézométrique en 1989





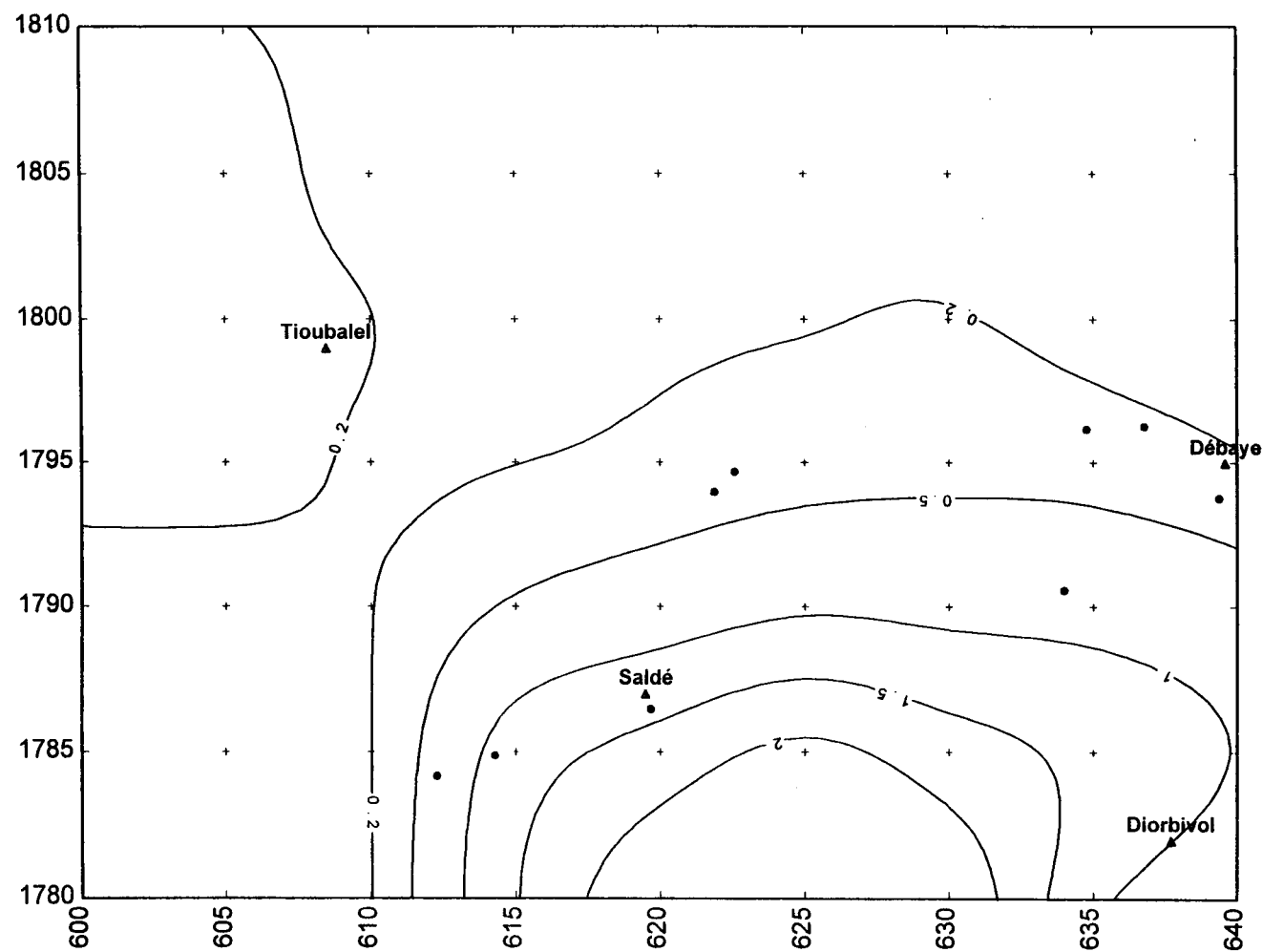
Variation piézométrique en 1989

## Formations éocènes : Zone 5

## Variation piézométrique en 1989

Echelle en km

0 2 4

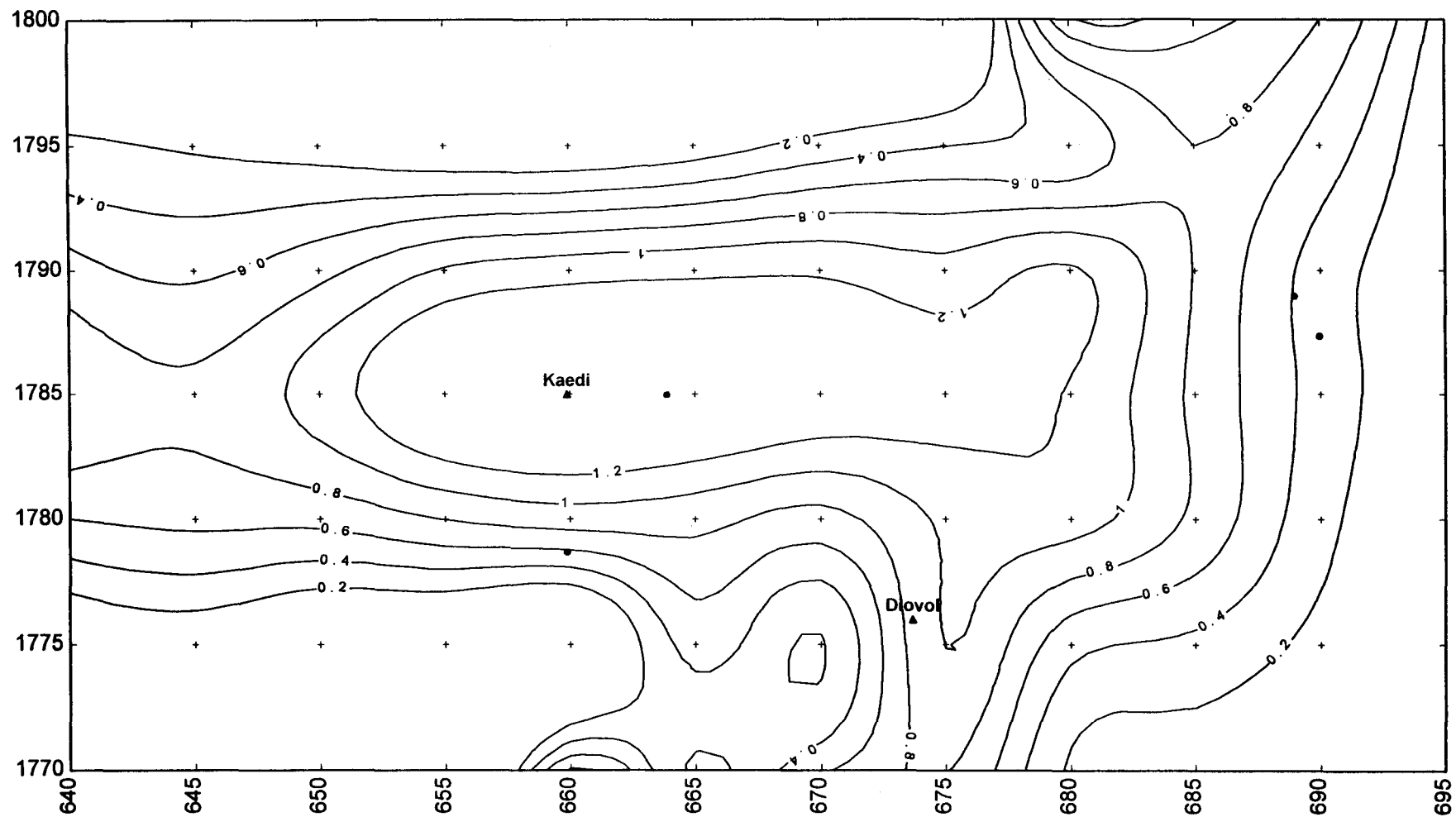


## Formations éocènes : Zone 6

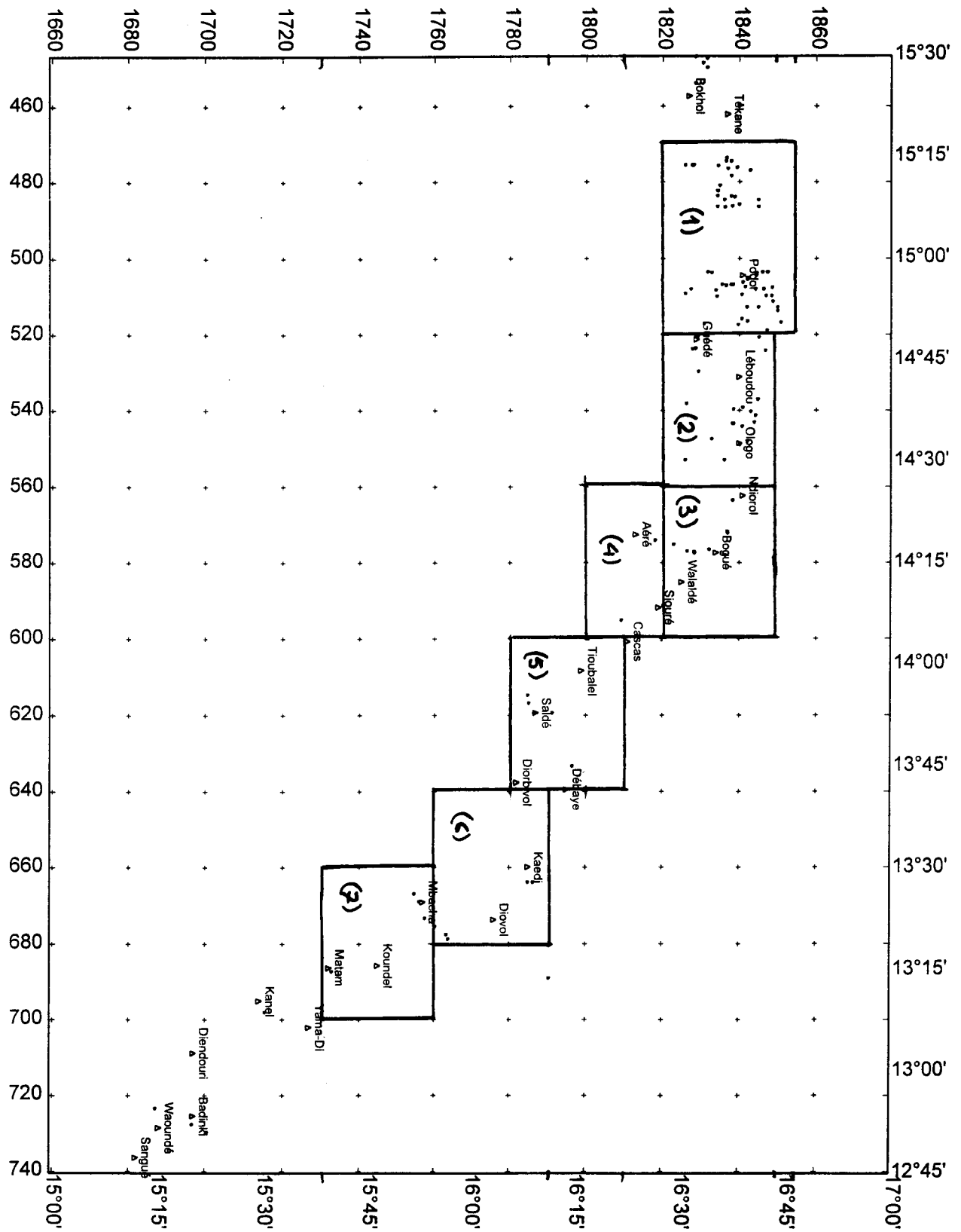
## Variation piézométrique en 1989

Echelle en km

0 2 4



# **Carte d'assemblage des zones géographiques** **Formations quaternaires**



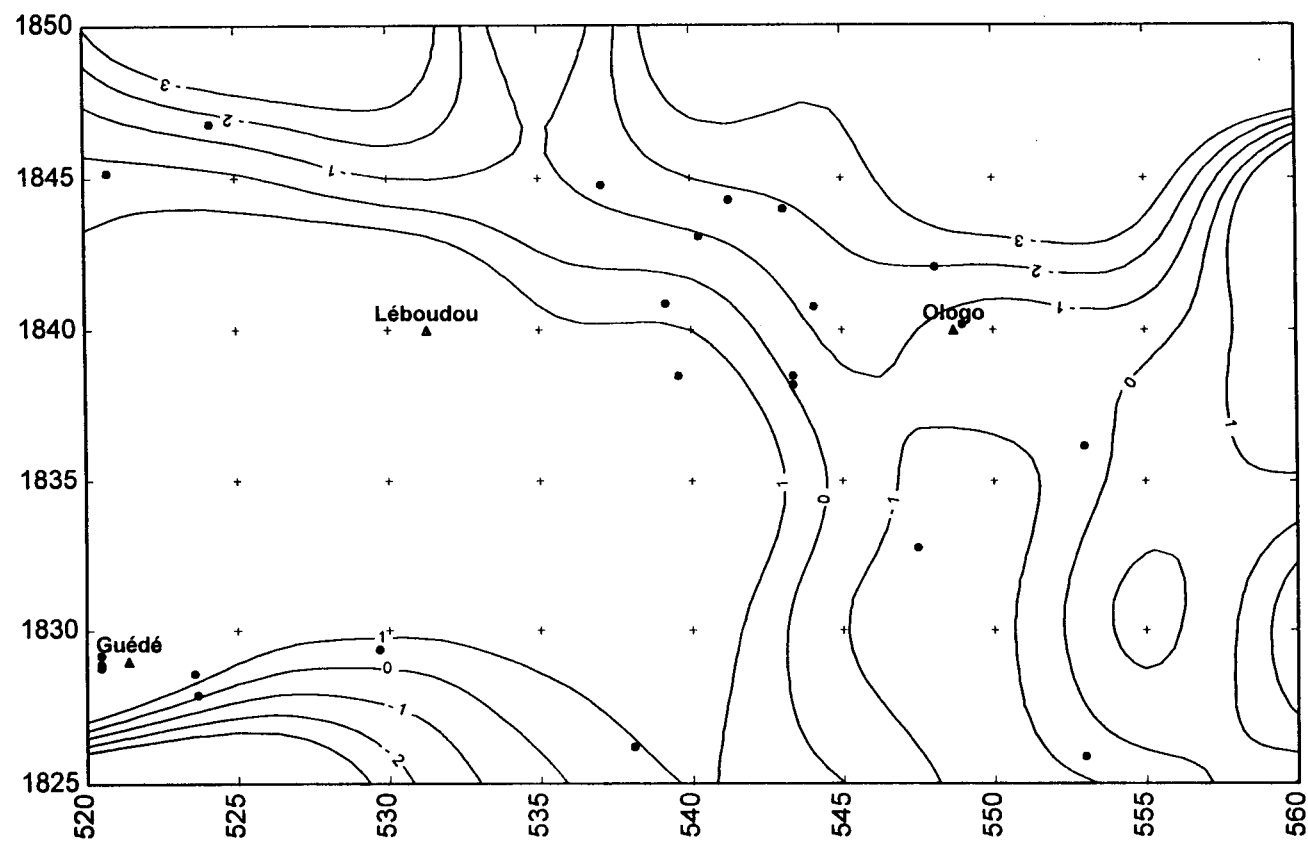


## Formations quaternaires : Zone 2

Niveau piézométrique - Hautes eaux en 1989

Echelle en km

0 2 4

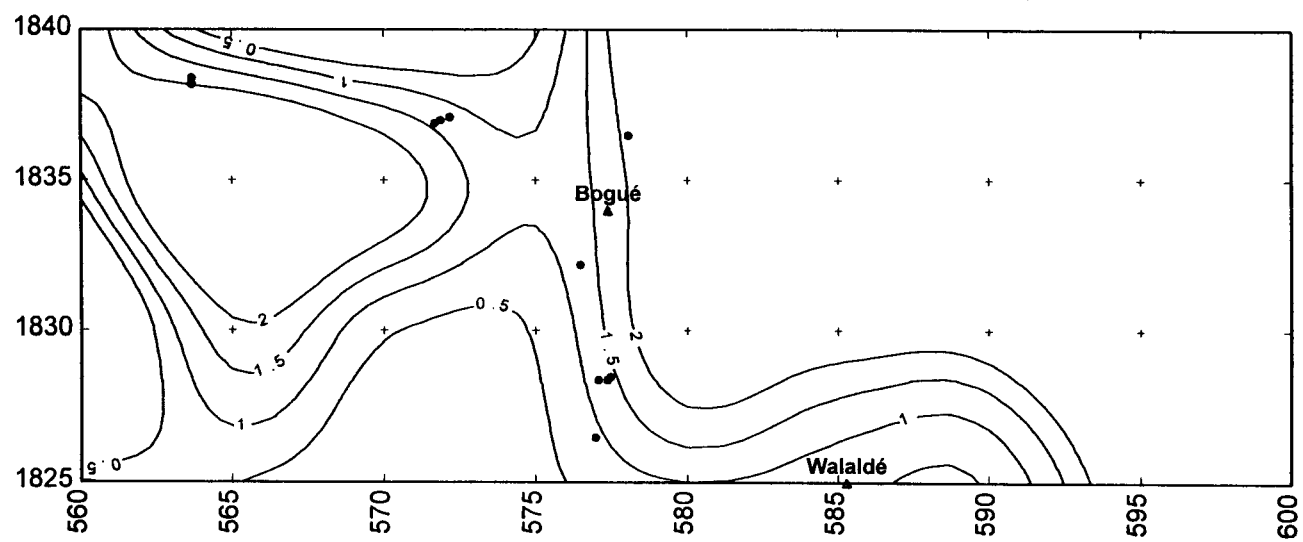


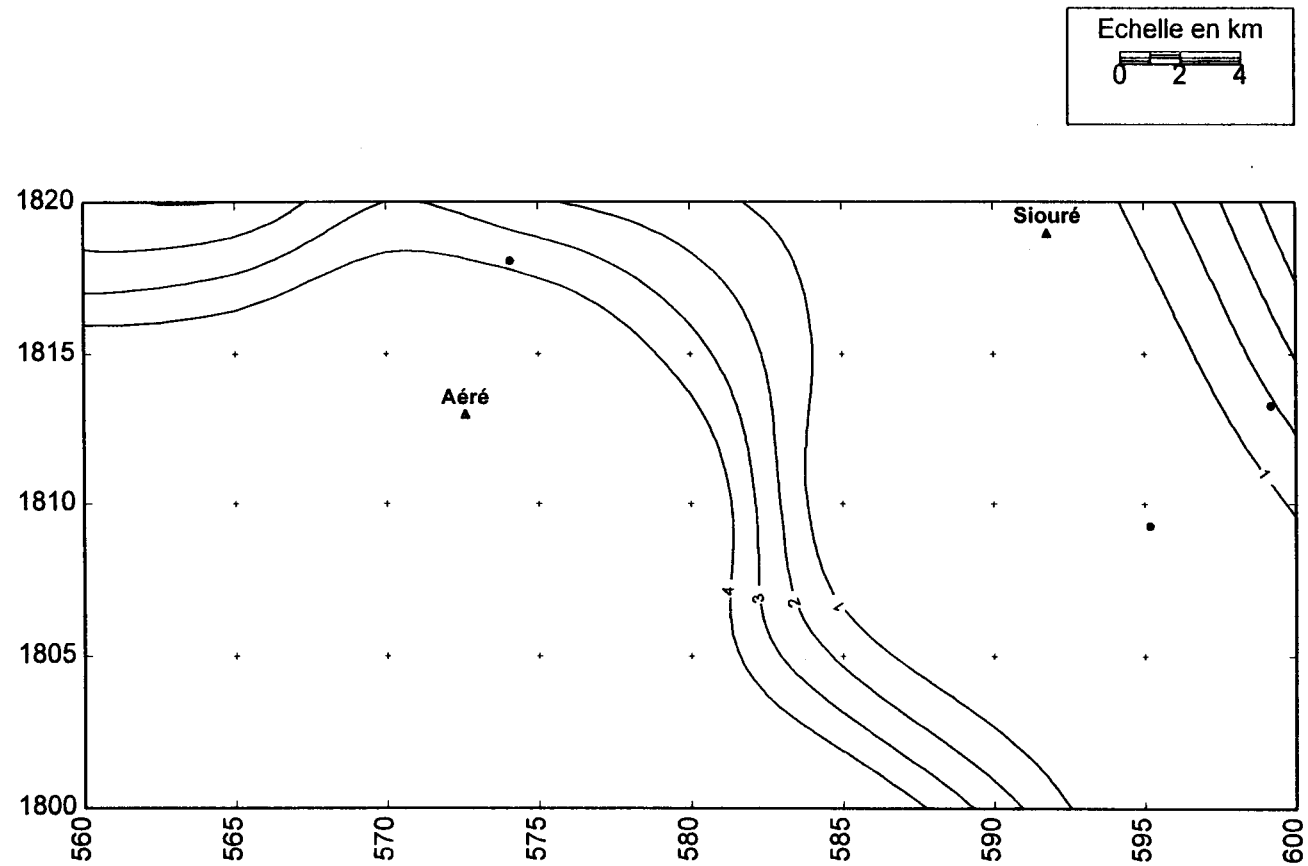


**Formations quaternaires : Zone 3****Niveau piézométrique - Hautes eaux en 1989**

Echelle en km

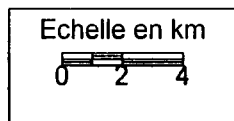
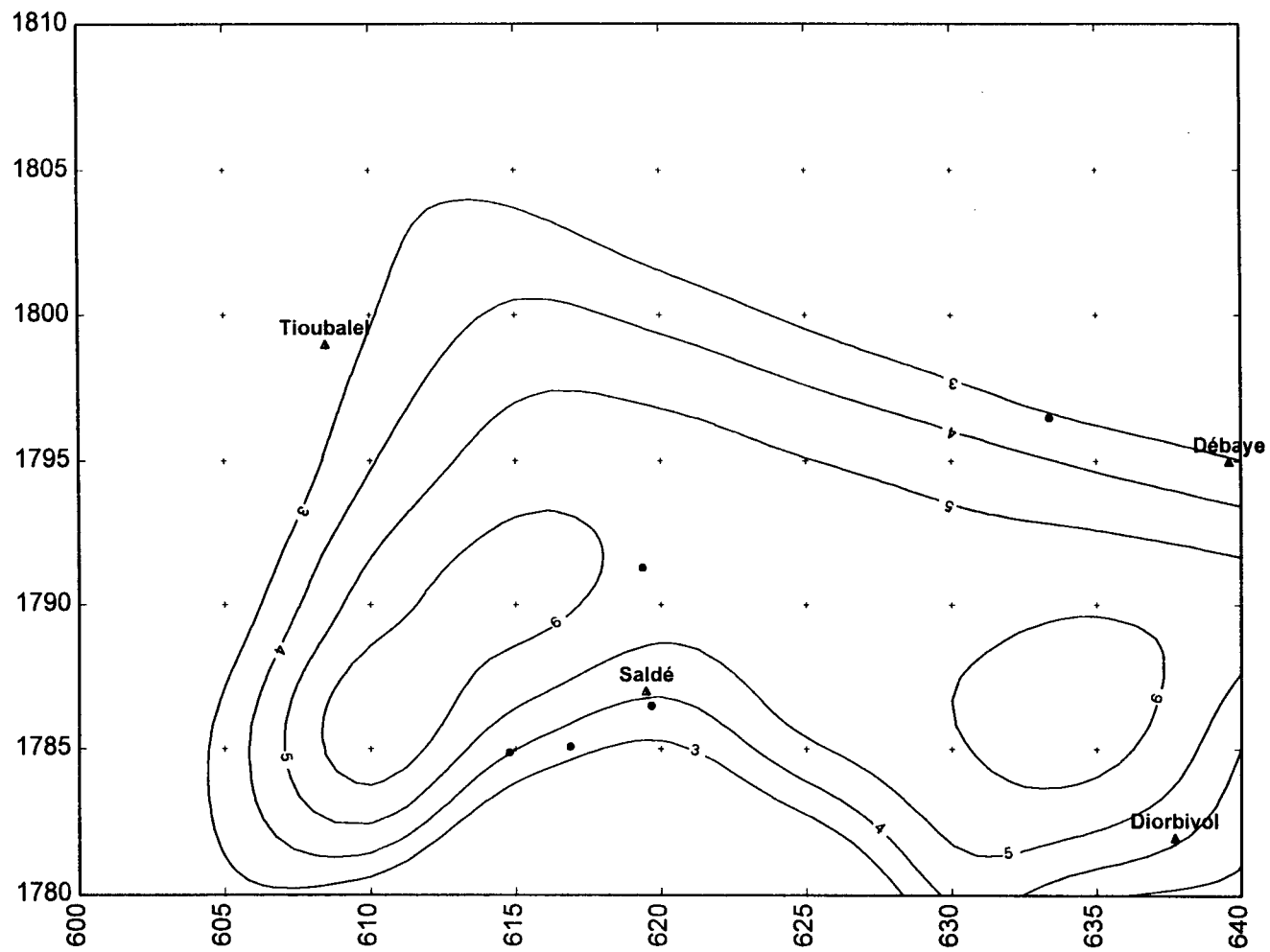
0 2 4





Formations quaternaires : Zone 4

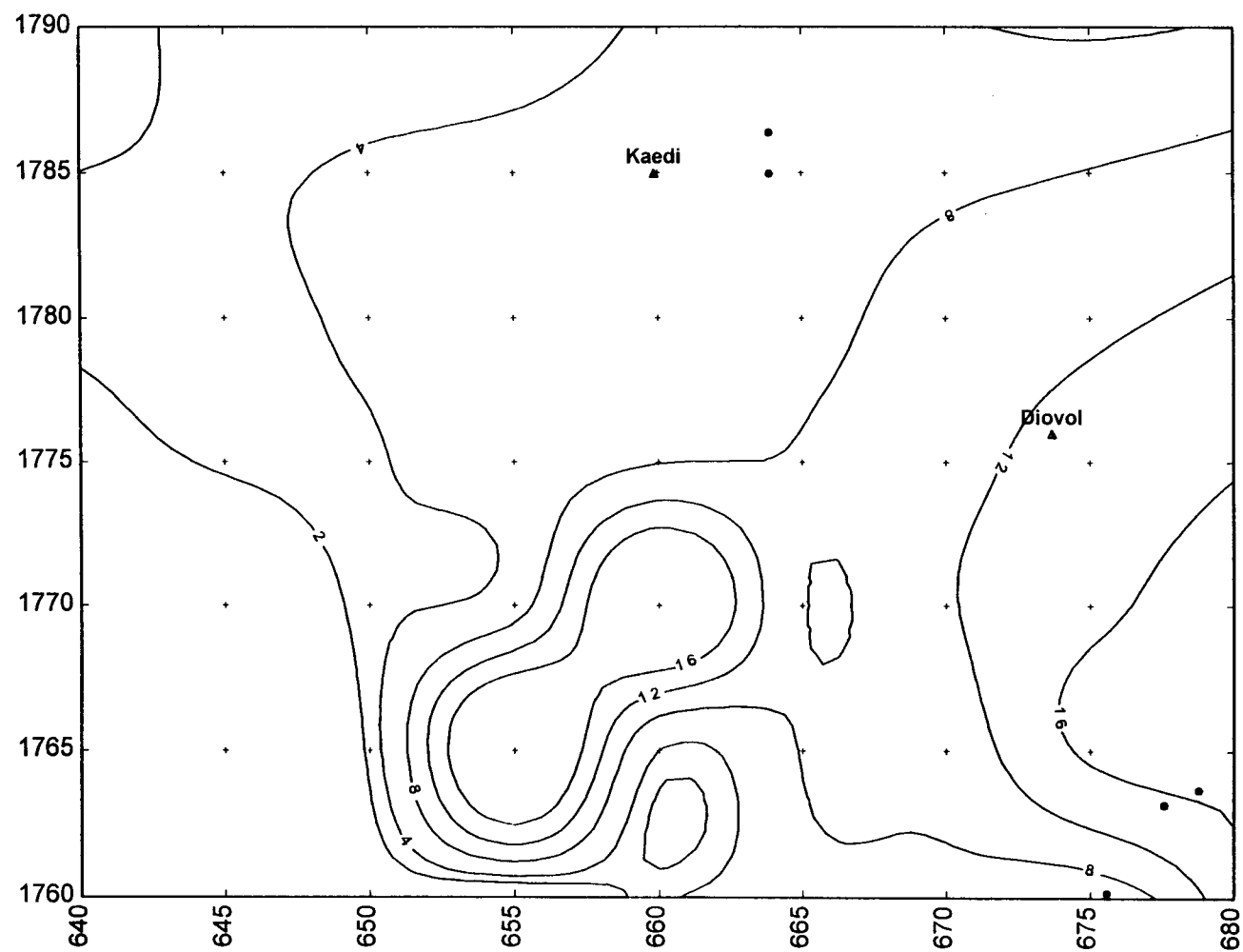
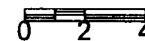
Niveau piézométrique - Hautes eaux en 1989

**Formations quaternaires : Zone 5****Niveau piézométrique - Hautes eaux en 1989**

## Formations quaternaires : Zone 6

Niveau piézométrique - Hautes eaux en 1989

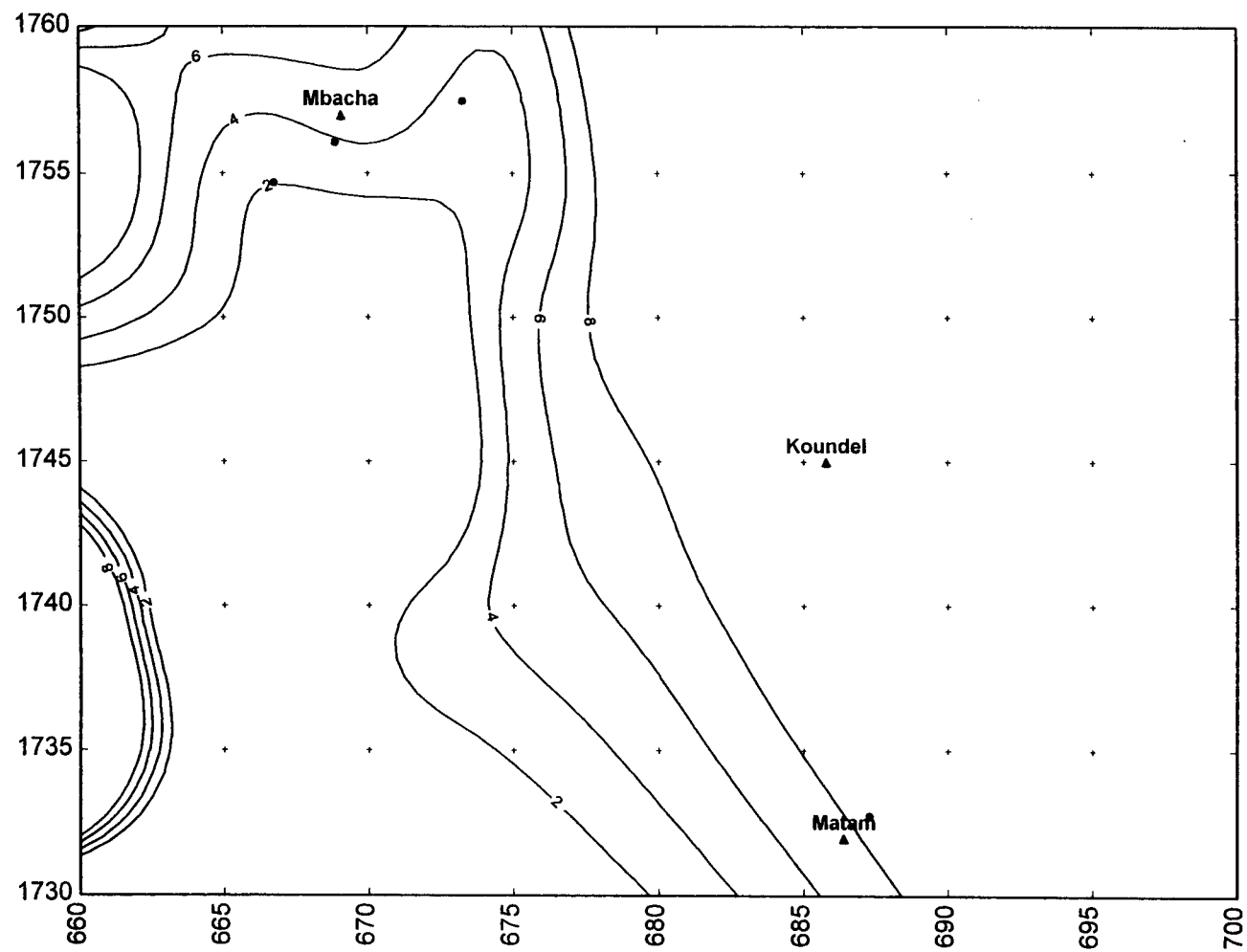
Echelle en km



**Formations quaternaires : Zone 7****Niveau piézométrique - Hautes eaux en 1989**

Echelle en km

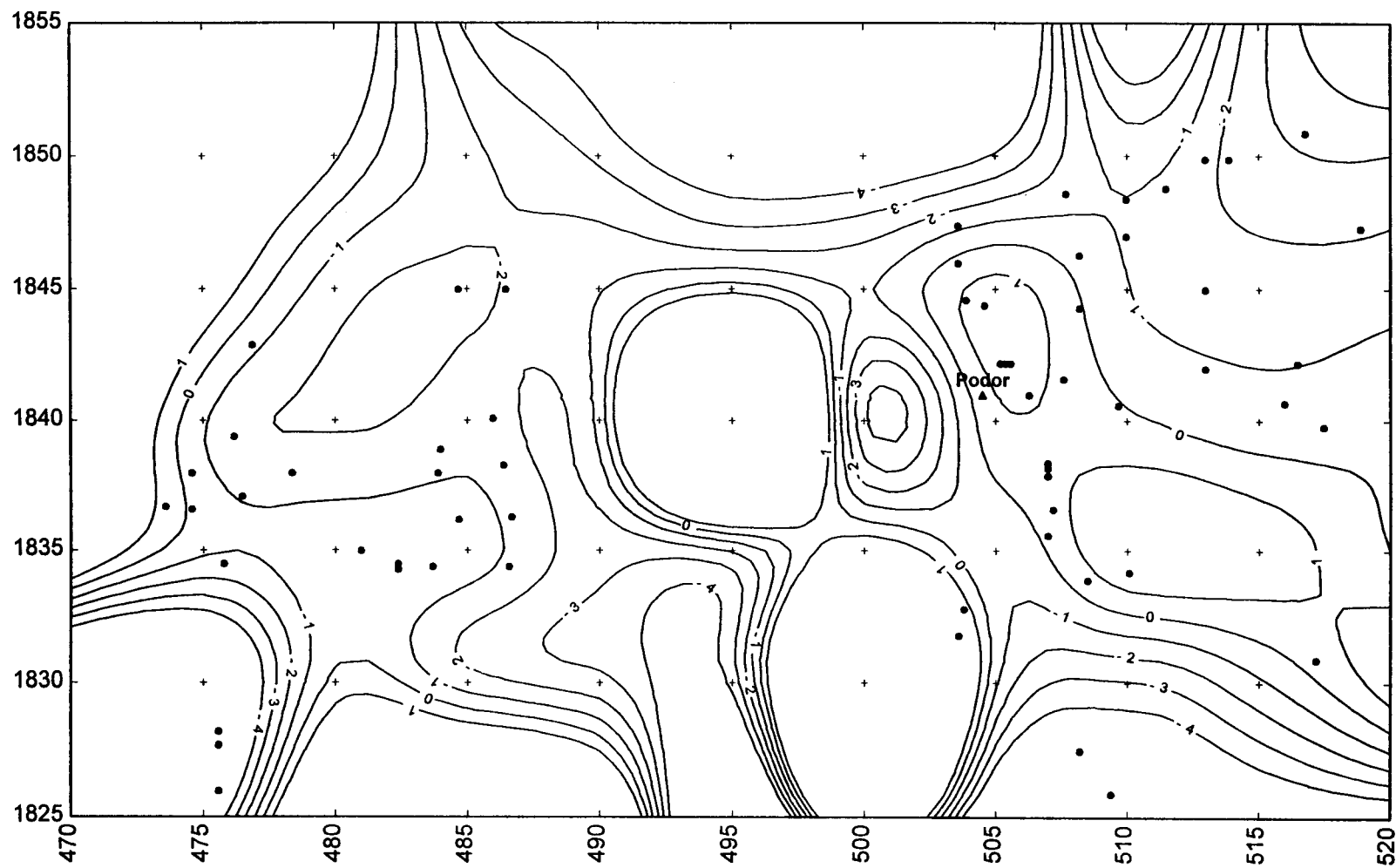
0 2 4

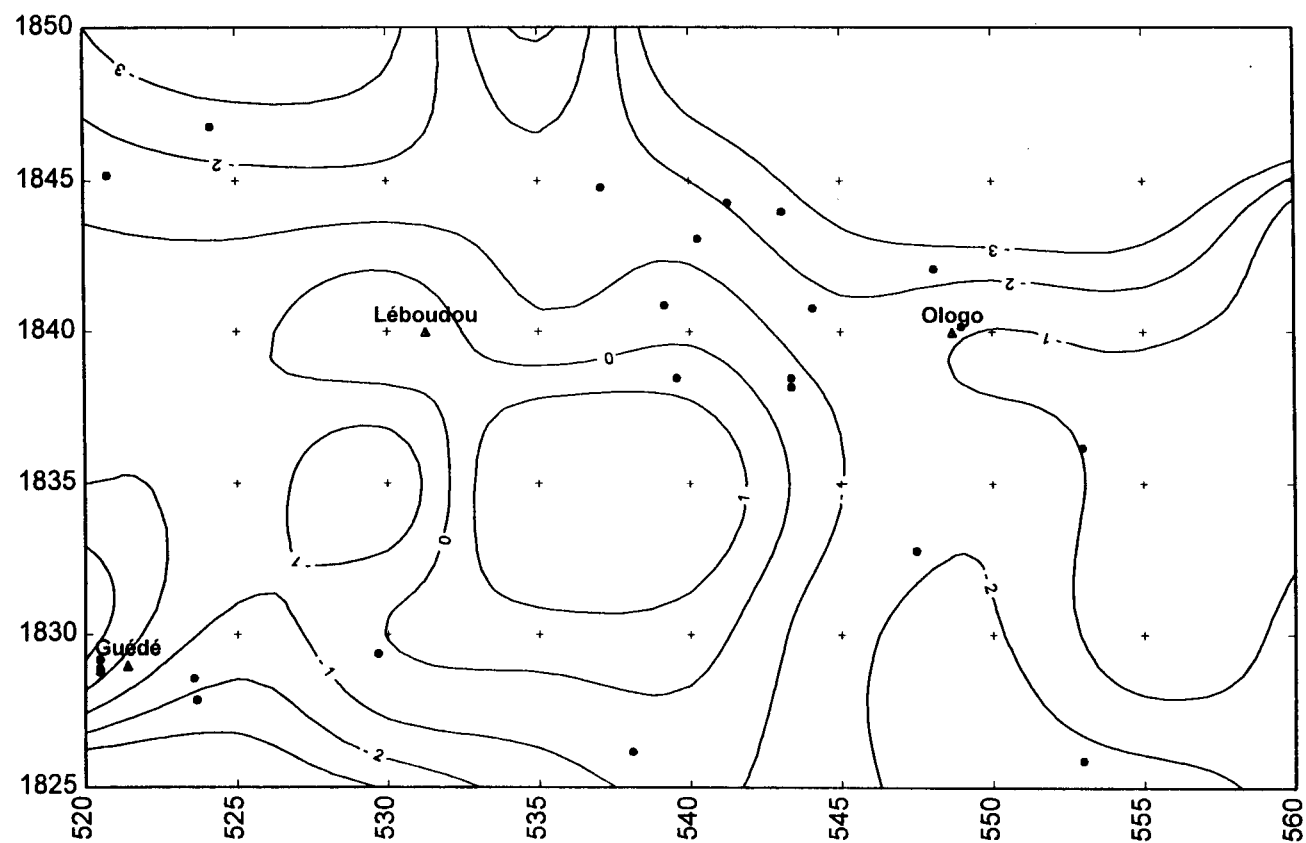
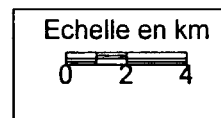


## Formations quaternaires : Zone 1

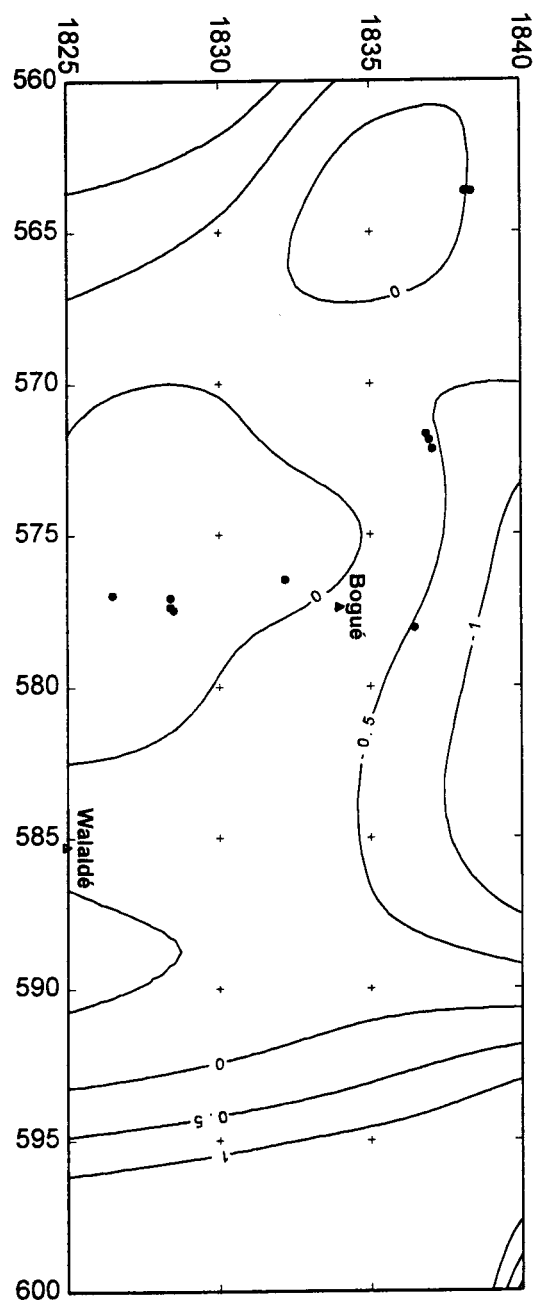
Niveau piézométrique - Basses eaux en 1989

Echelle en km

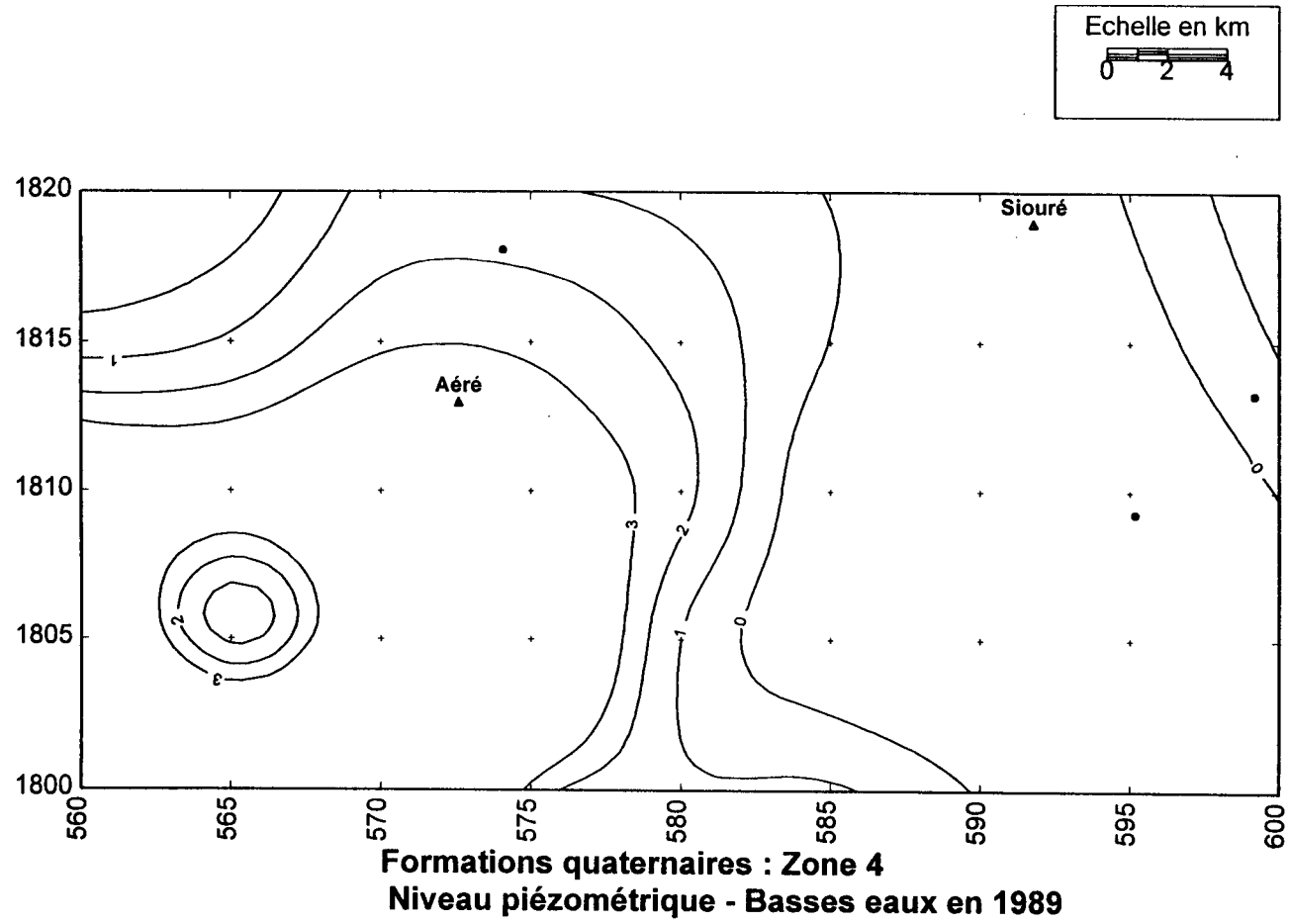


**Formations quaternaires : Zone 2****Niveau piézométrique - Basses eaux en 1989**

Formations quaternaires : Zone 3  
Niveau piézométrique - Basses eaux en 1989

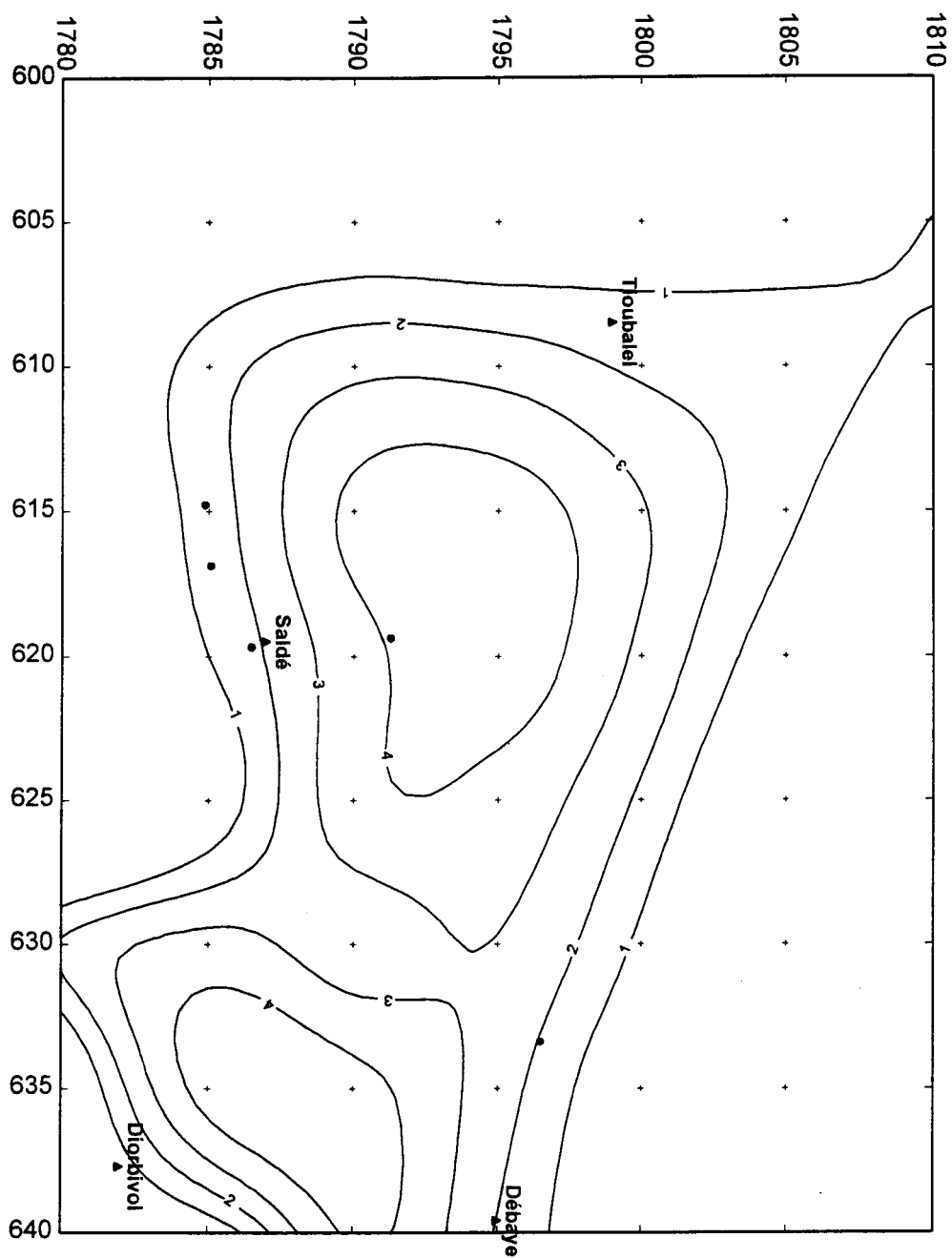


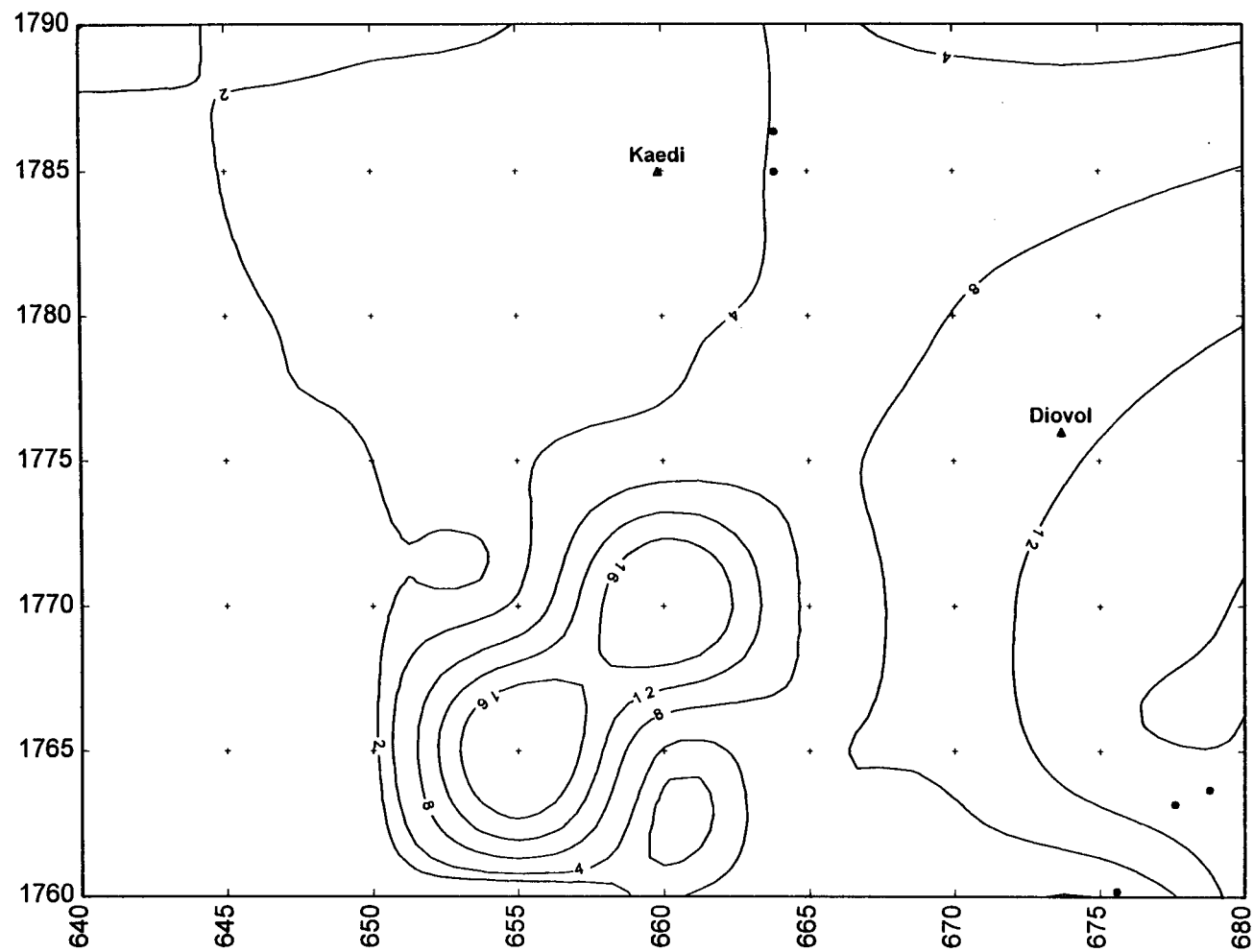
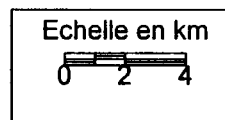




## Formations quaternaires : Zone 5

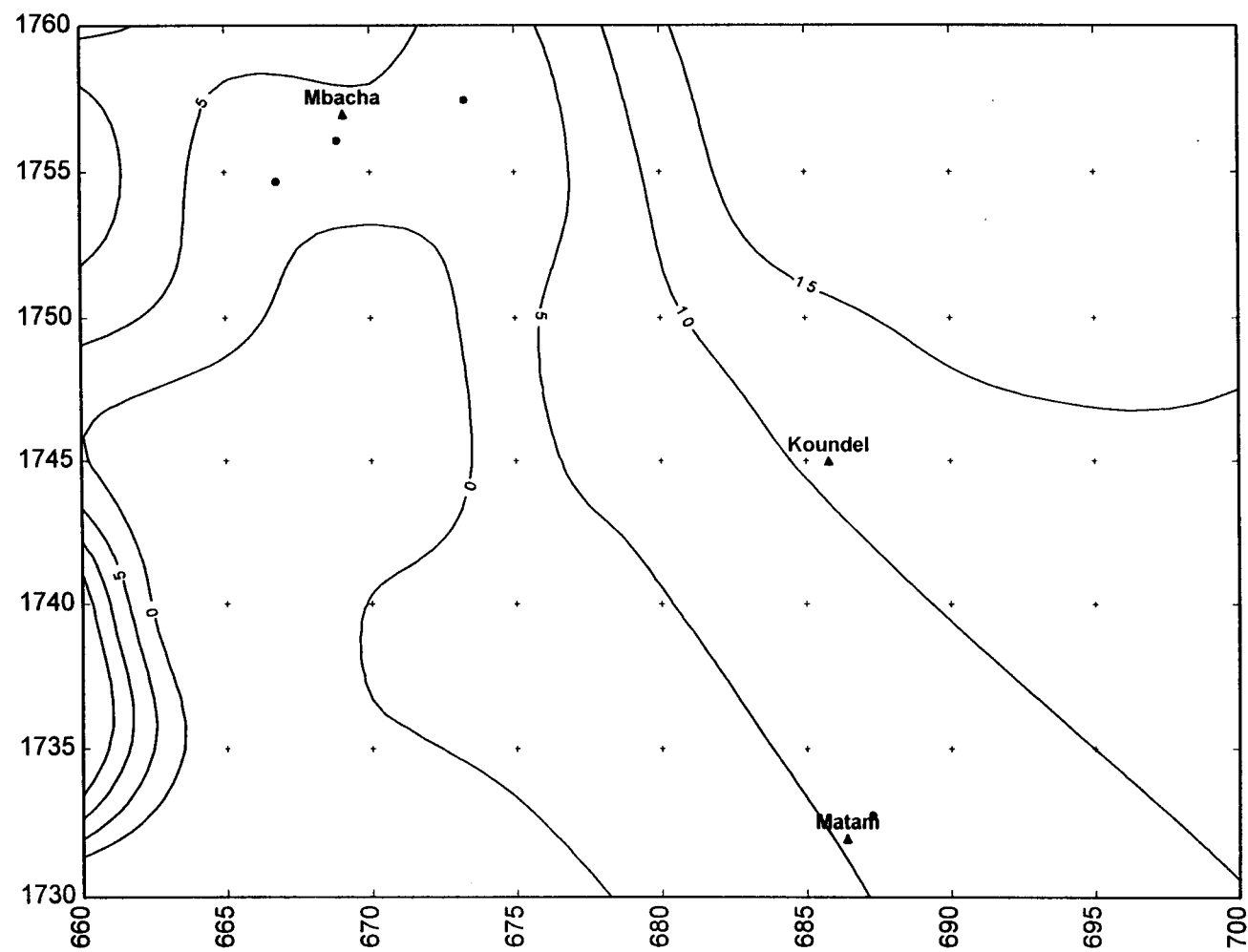
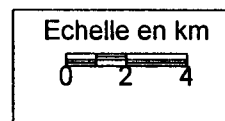
## Niveau piézométrique - Basses eaux en 1989



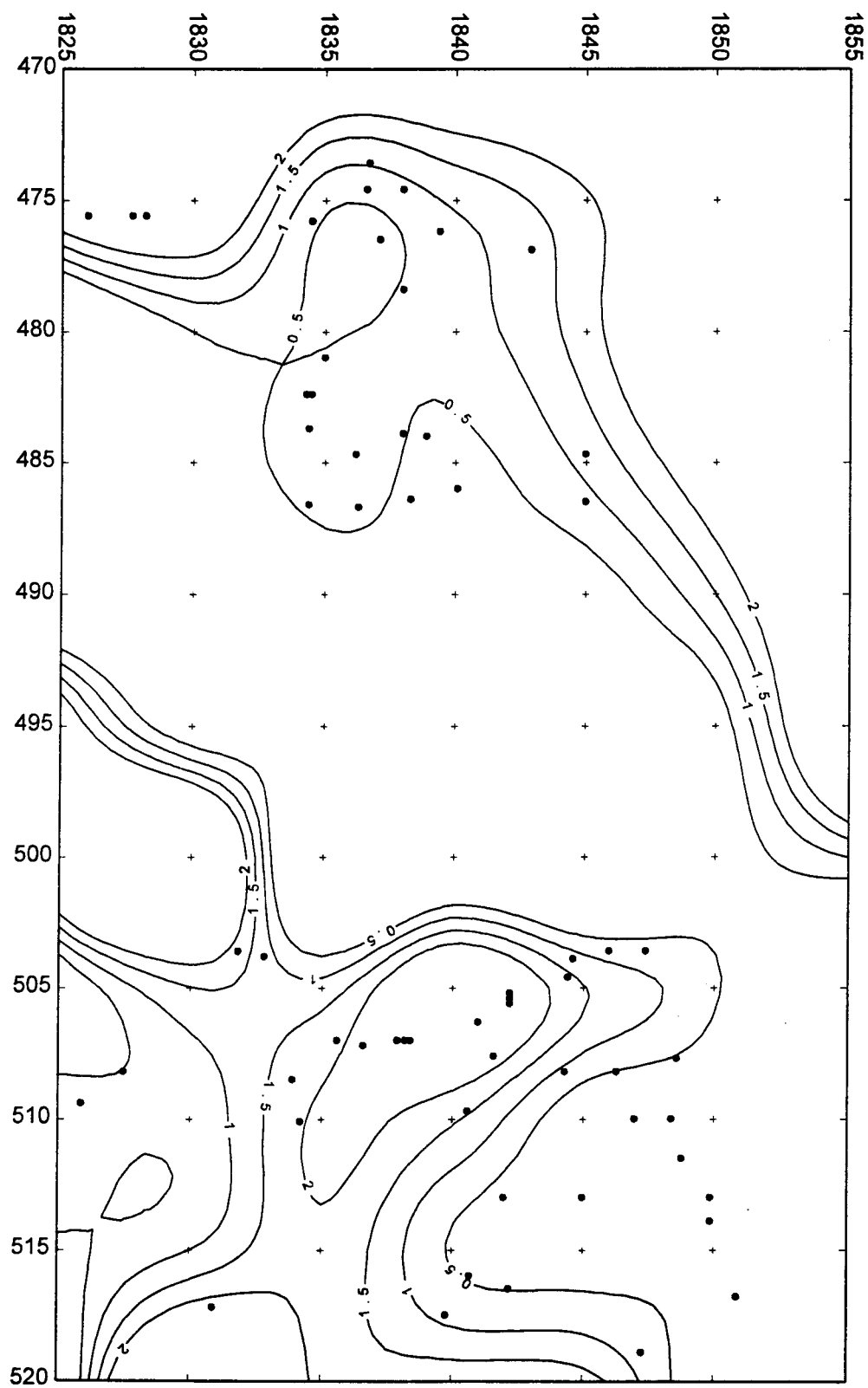
**Formations quaternaires : Zone 6****Niveau piézométrique - Basses eaux en 1989**

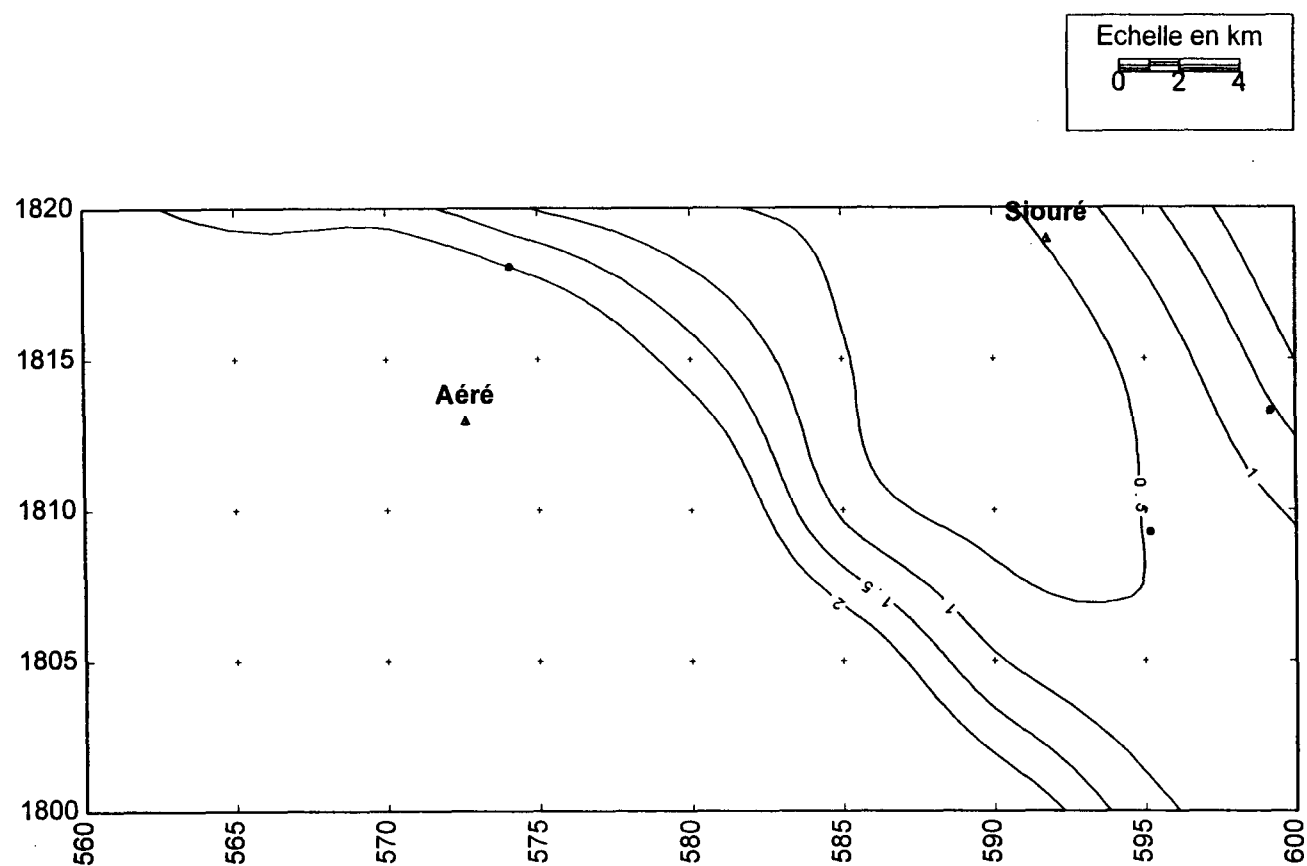
## Formations quaternaires : Zone 7

Niveau piézométrique - Basses eaux en 1989



Variation piézométrique en 1989  
Formations quaternaires : Zone 1





Formations quaternaires : Zone 4

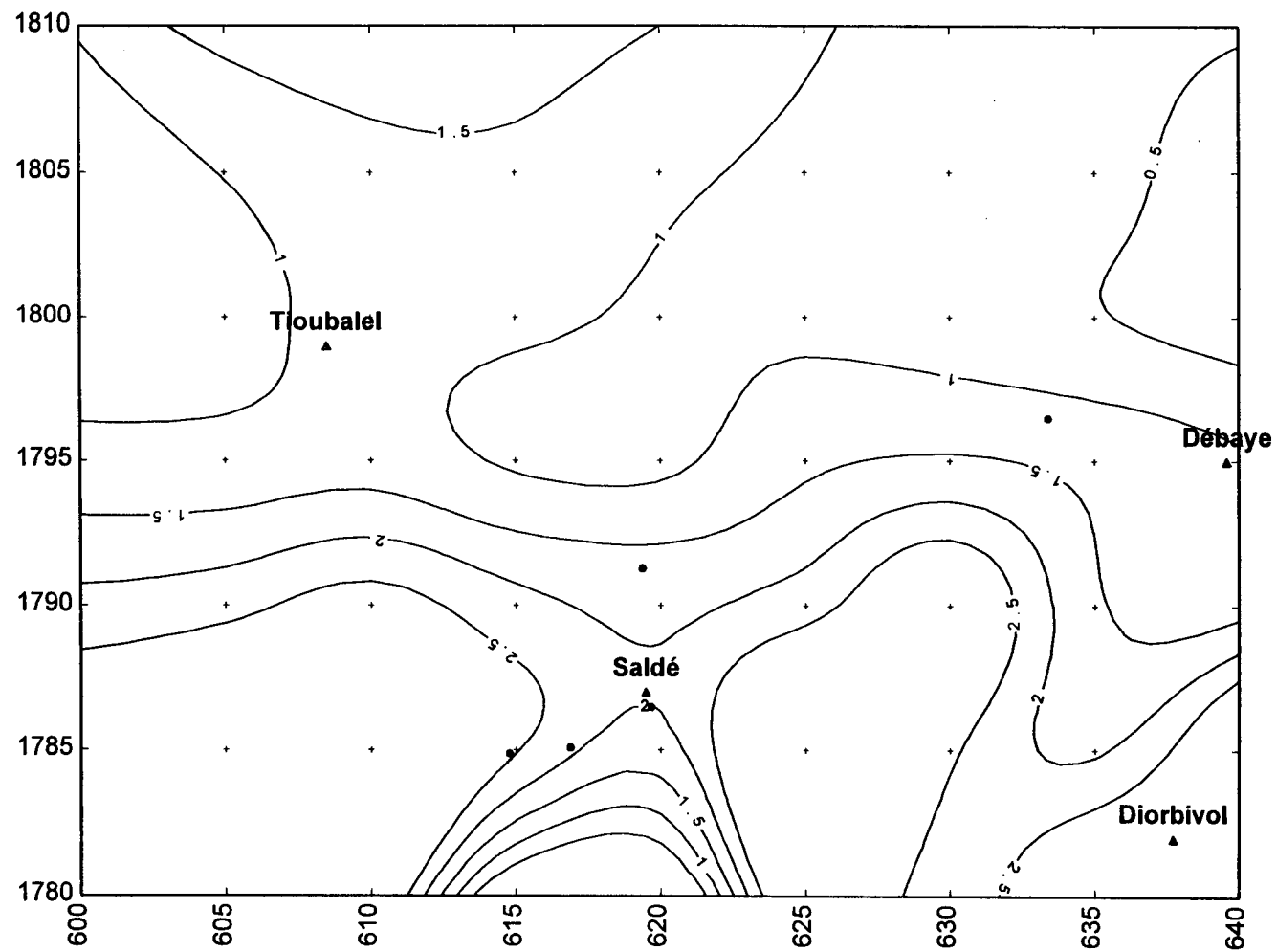
Variation piézométrique en 1989

## Formations quaternaires : Zone 5

## Variation piézométrique en 1989

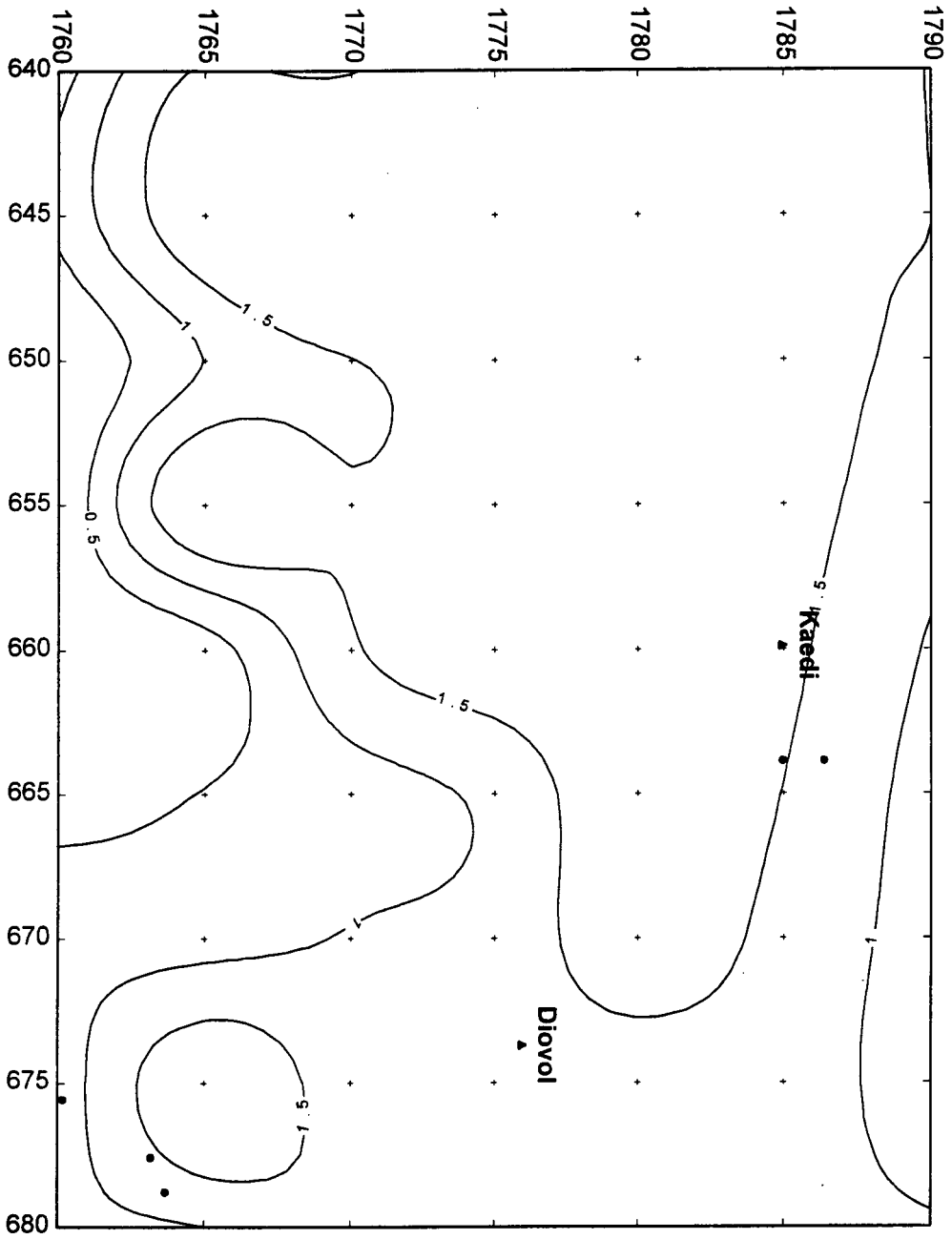
Echelle en km

0 2 4



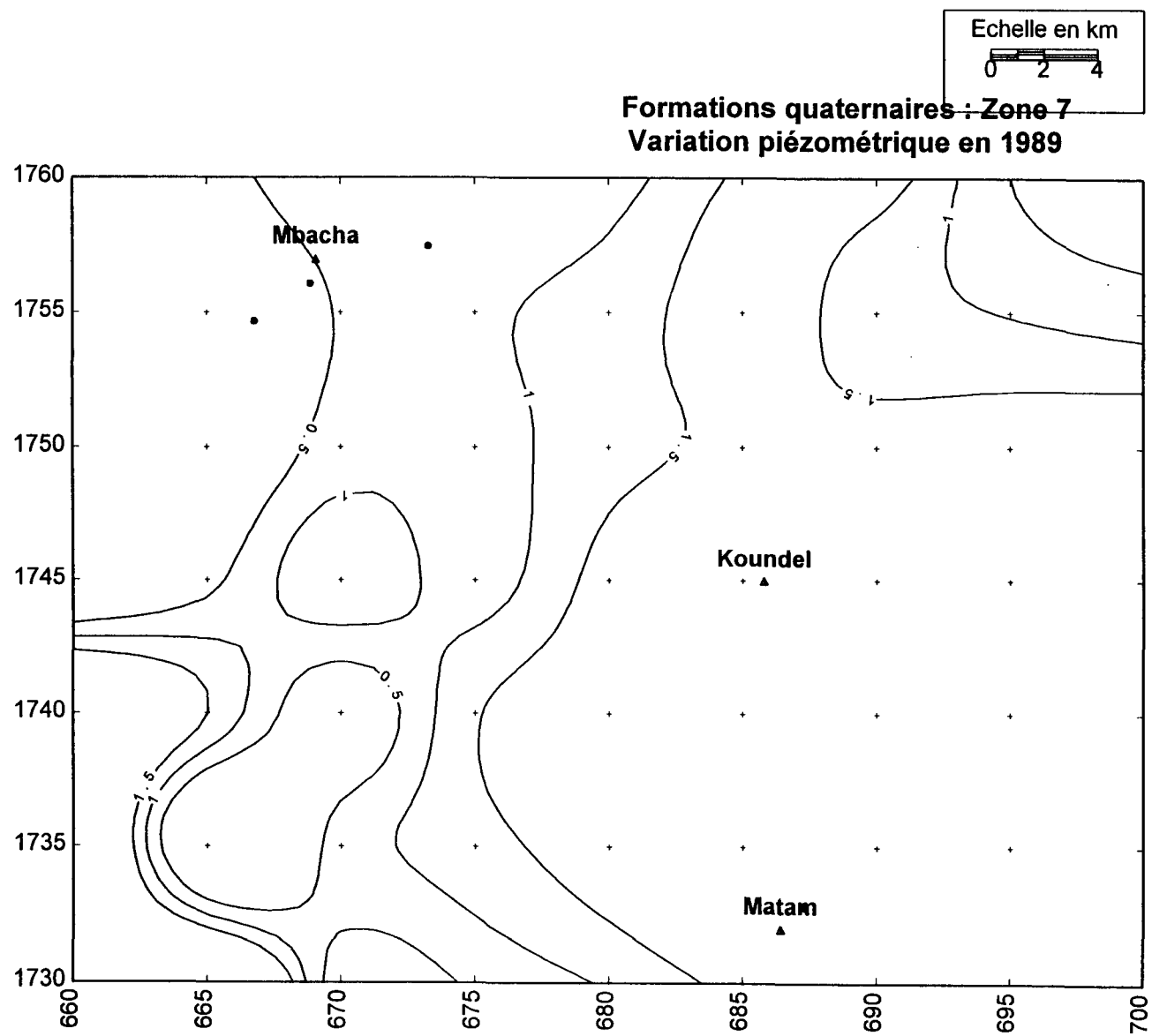
**Formations quaternaires : Zone 6**

**Variation piézométrique en 1989**



Echelle en km  
0 2 4





# Annexe 5

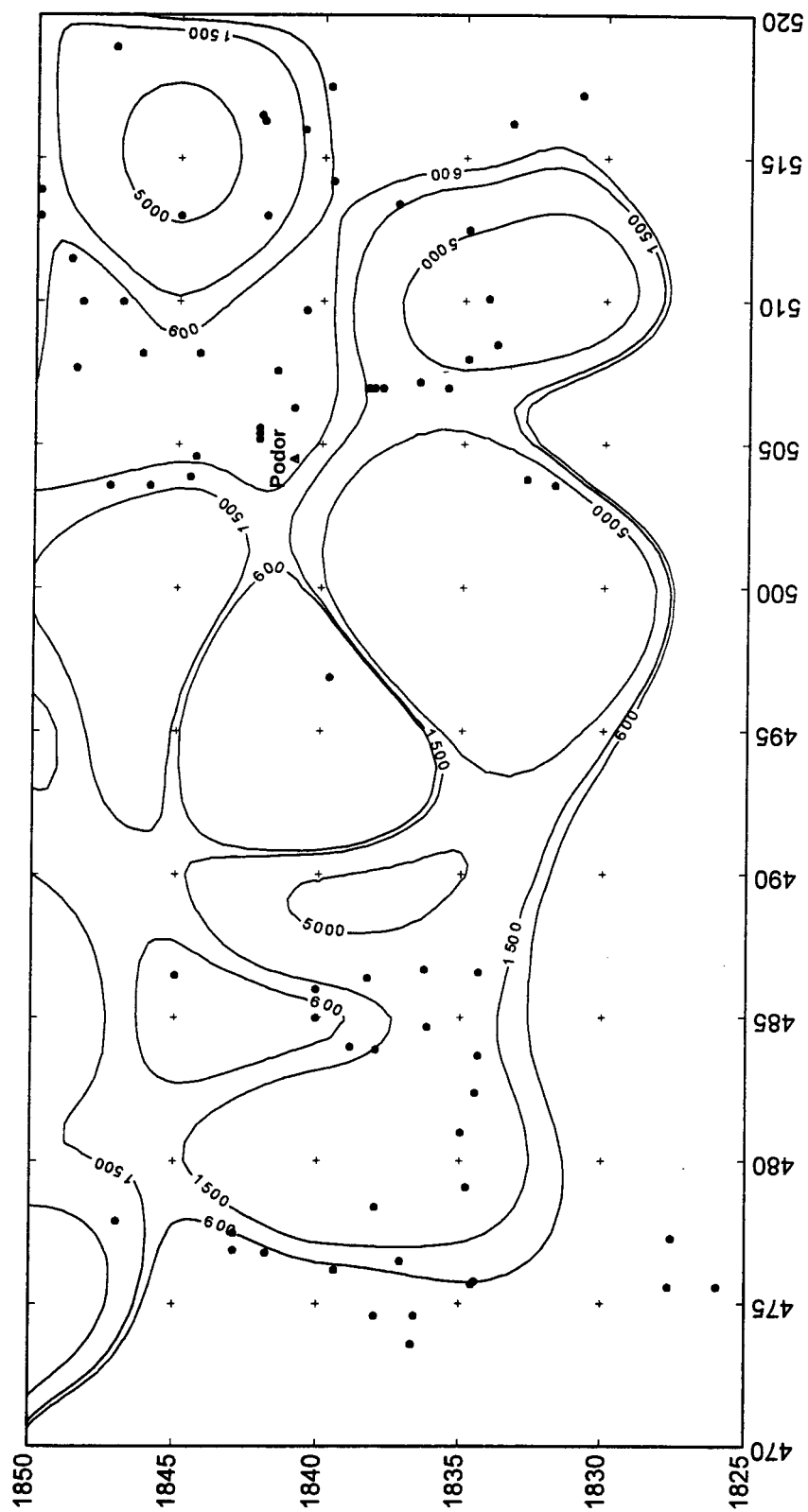
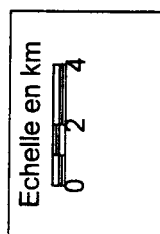
## Synthèse des données physico-chimiques

(Conductivité)

- Carte de conductivité de la partie Ouest pour les aquifères du quaternaire en période de hautes eaux en 1989.
- Carte de conductivité de la partie Ouest pour les aquifères du quaternaire en période de basses eaux en 1989.
- Carte de conductivité de la partie Ouest pour les aquifères de l'Eocène en période de hautes eaux en 1989.
- Carte de conductivité de la partie Ouest pour les aquifères de l'Eocène en période de basses eaux en 1989.

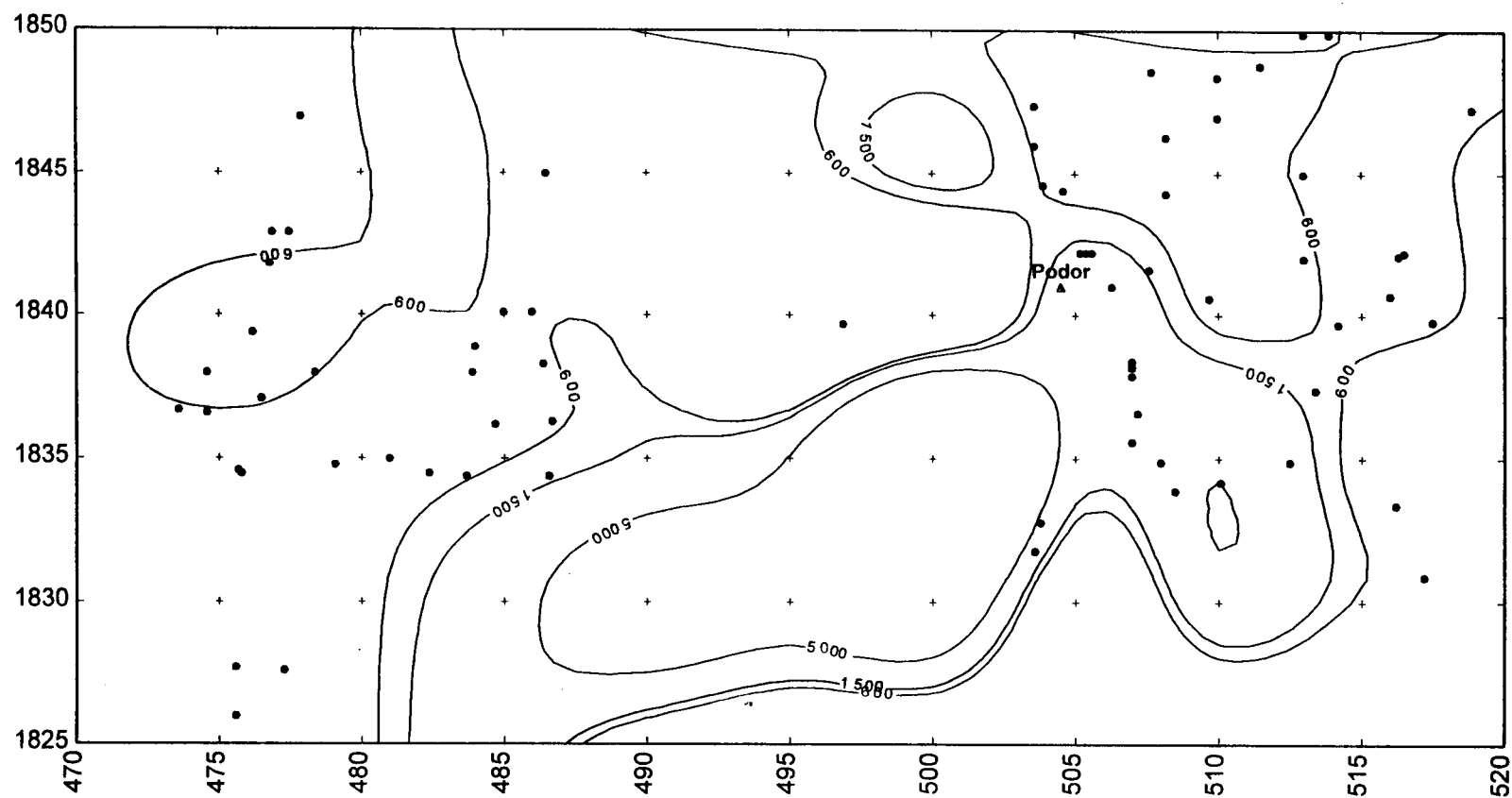
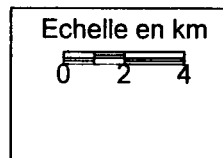
# Formations quaternaires : Zone 1

## Conductivité en hautes eaux 1989



# Formations quaternaires : Zone 1

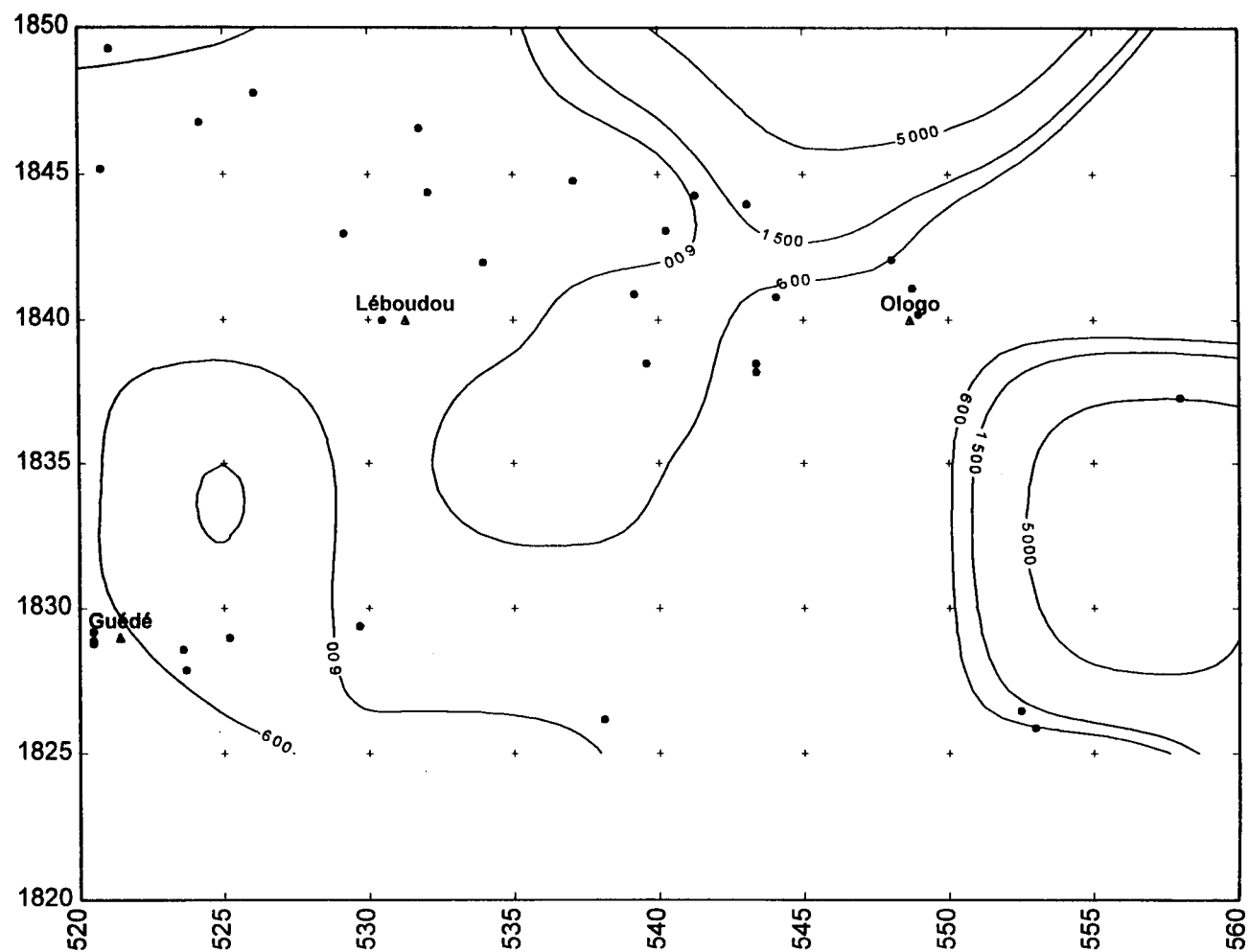
Conductivité en basses eaux 1989



# Formations quaternaires : Zone 2

Conductivité en basses eaux 1989

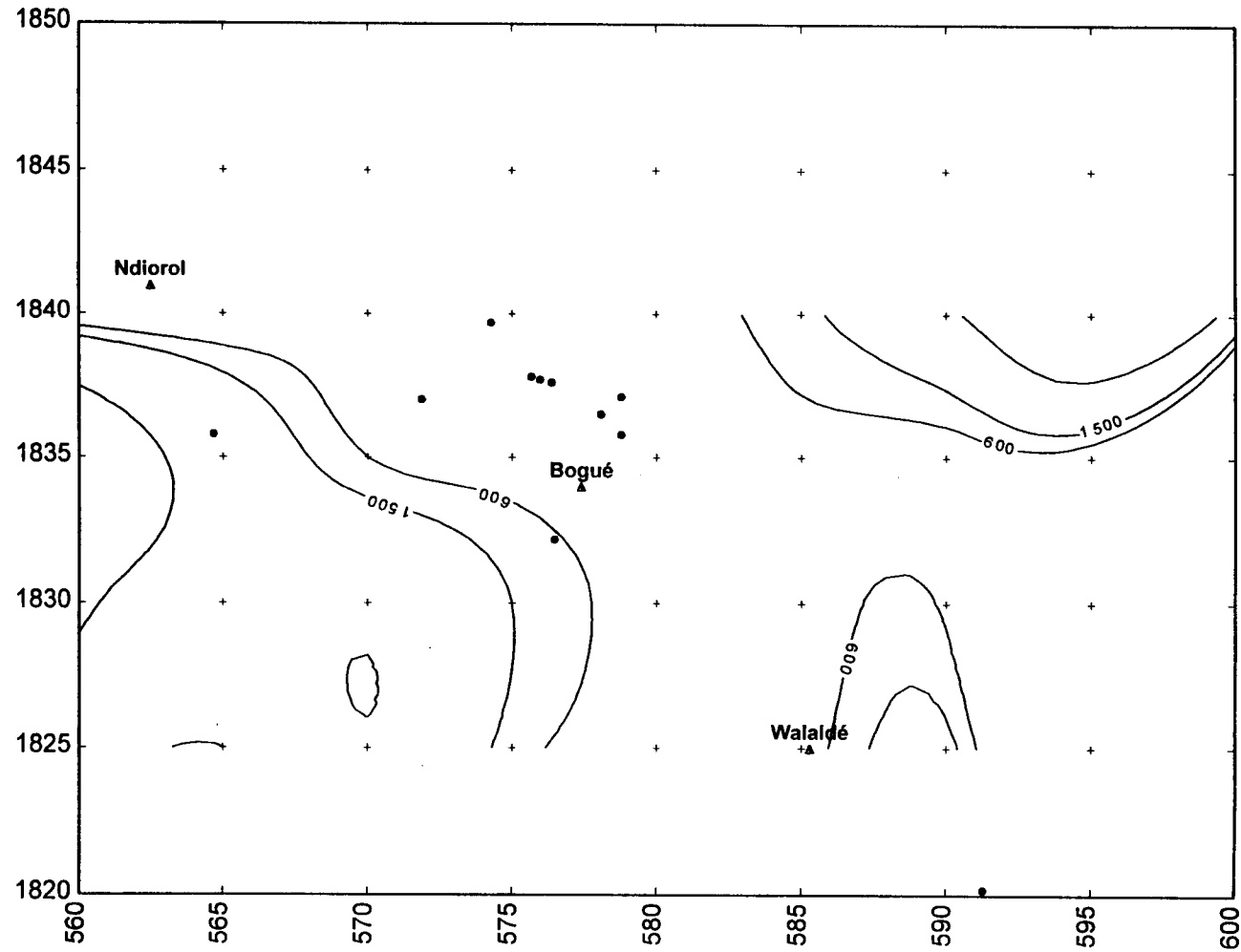
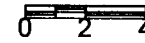
Echelle en km



# Formations quaternaires : Zone 3

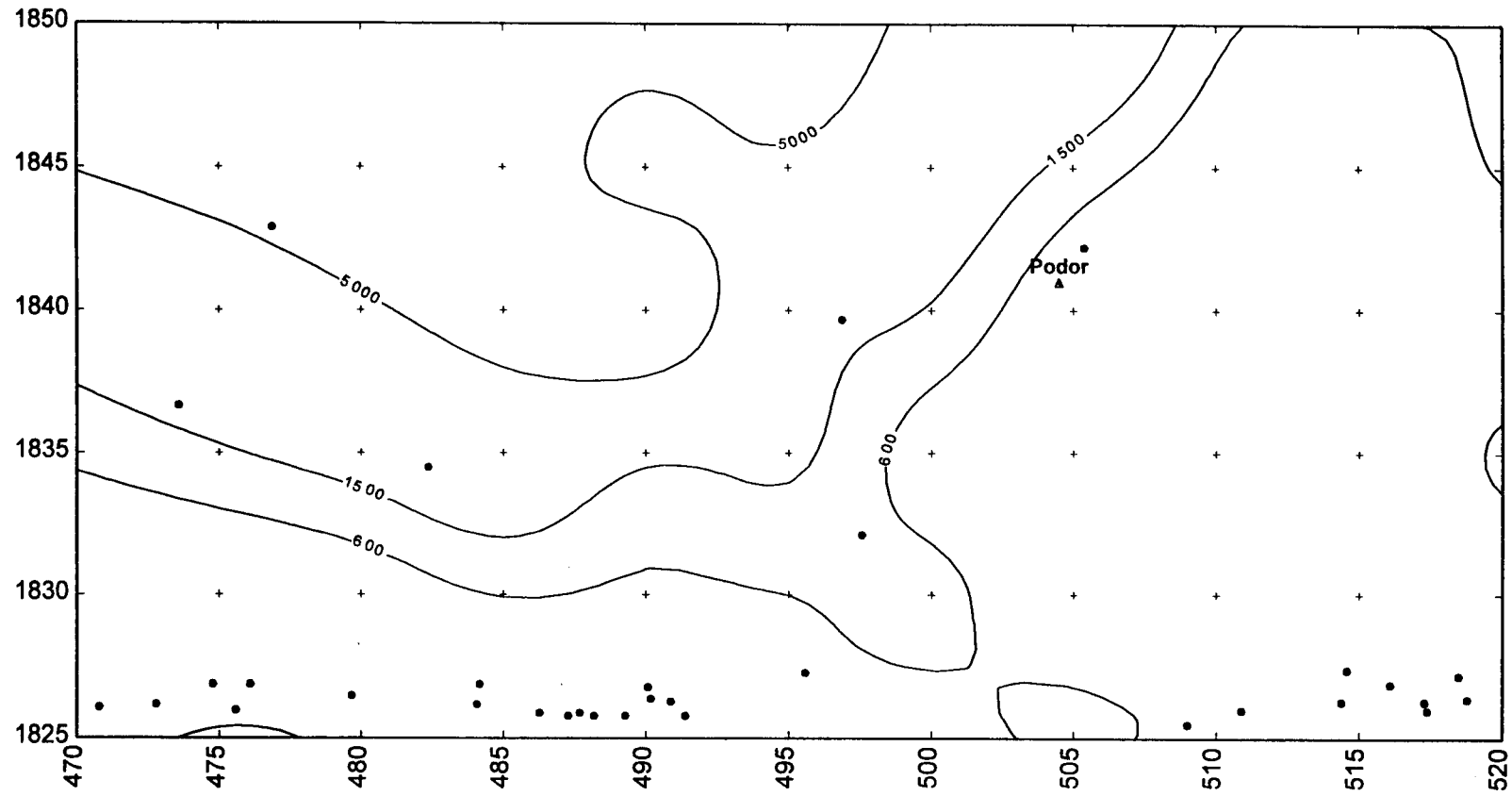
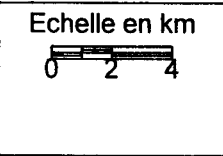
Conductivité en basses eaux 1989

Echelle en km



# Formations eocènes : Zone 1

Conductivité en hautes eaux 1989

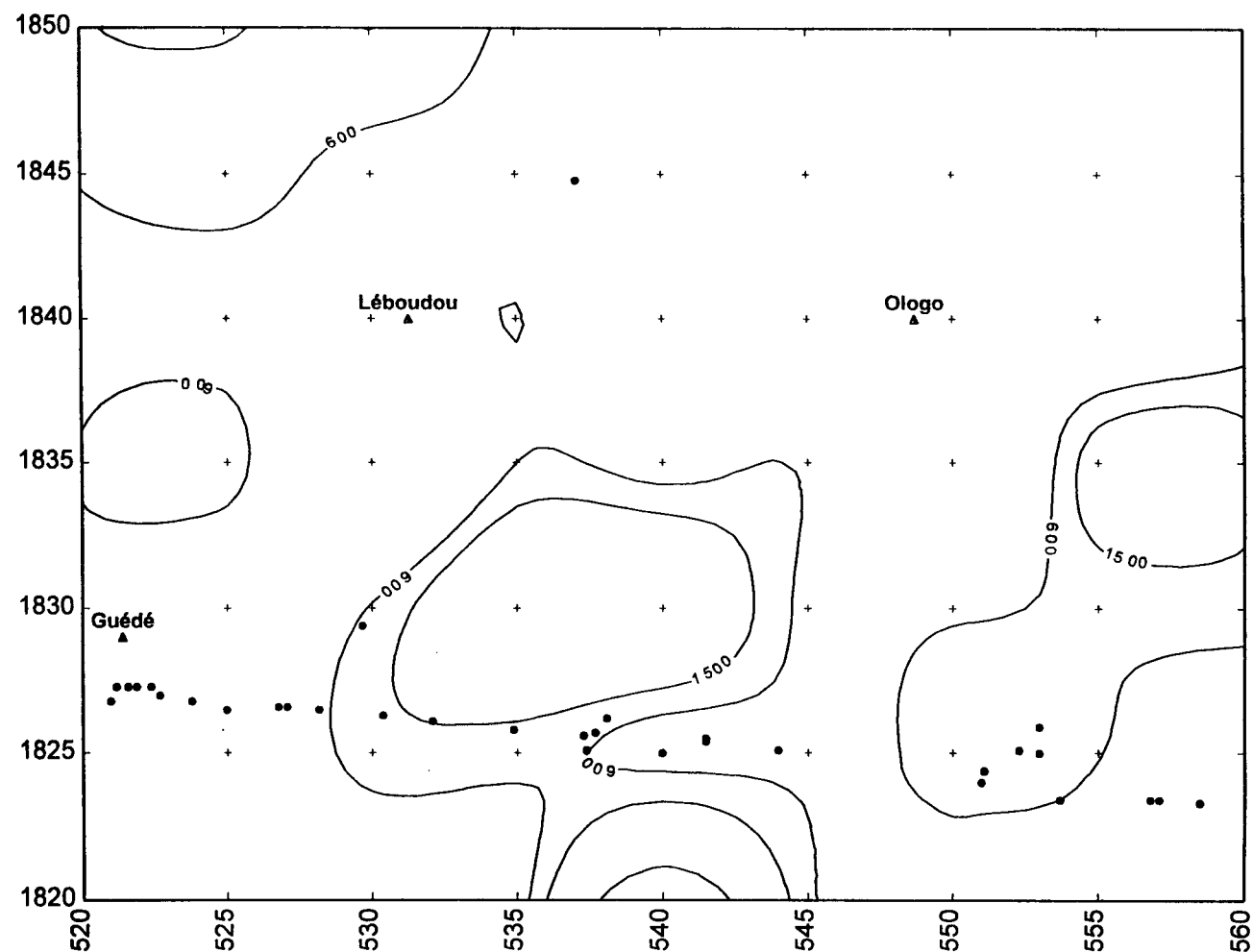


# Formations eocènes : Zone 2

Conductivité en hautes eaux 1989

Echelle en km

0 2 4

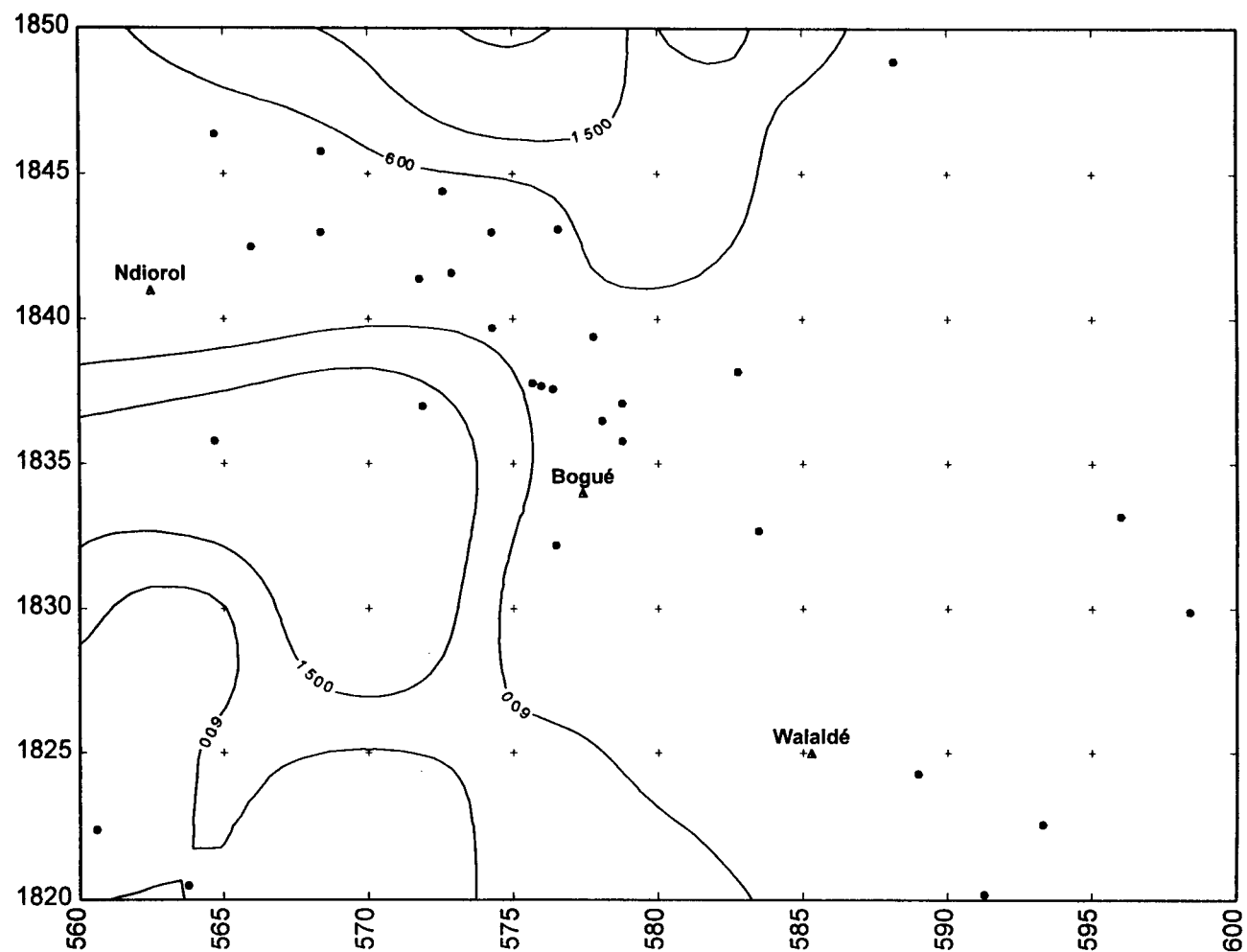




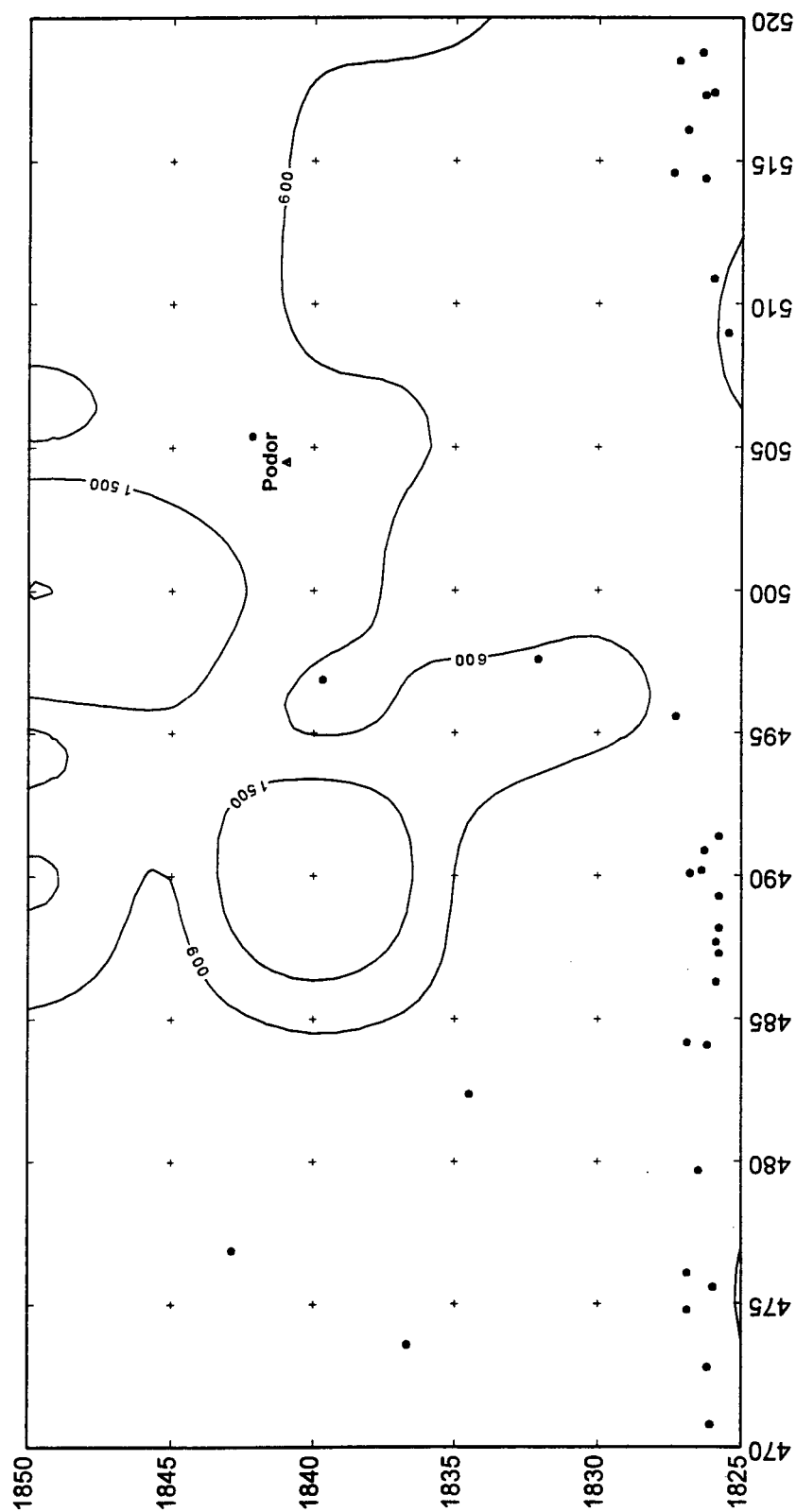
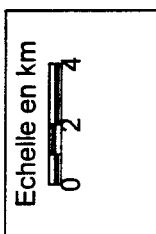
# Formations eocènes : Zone 3

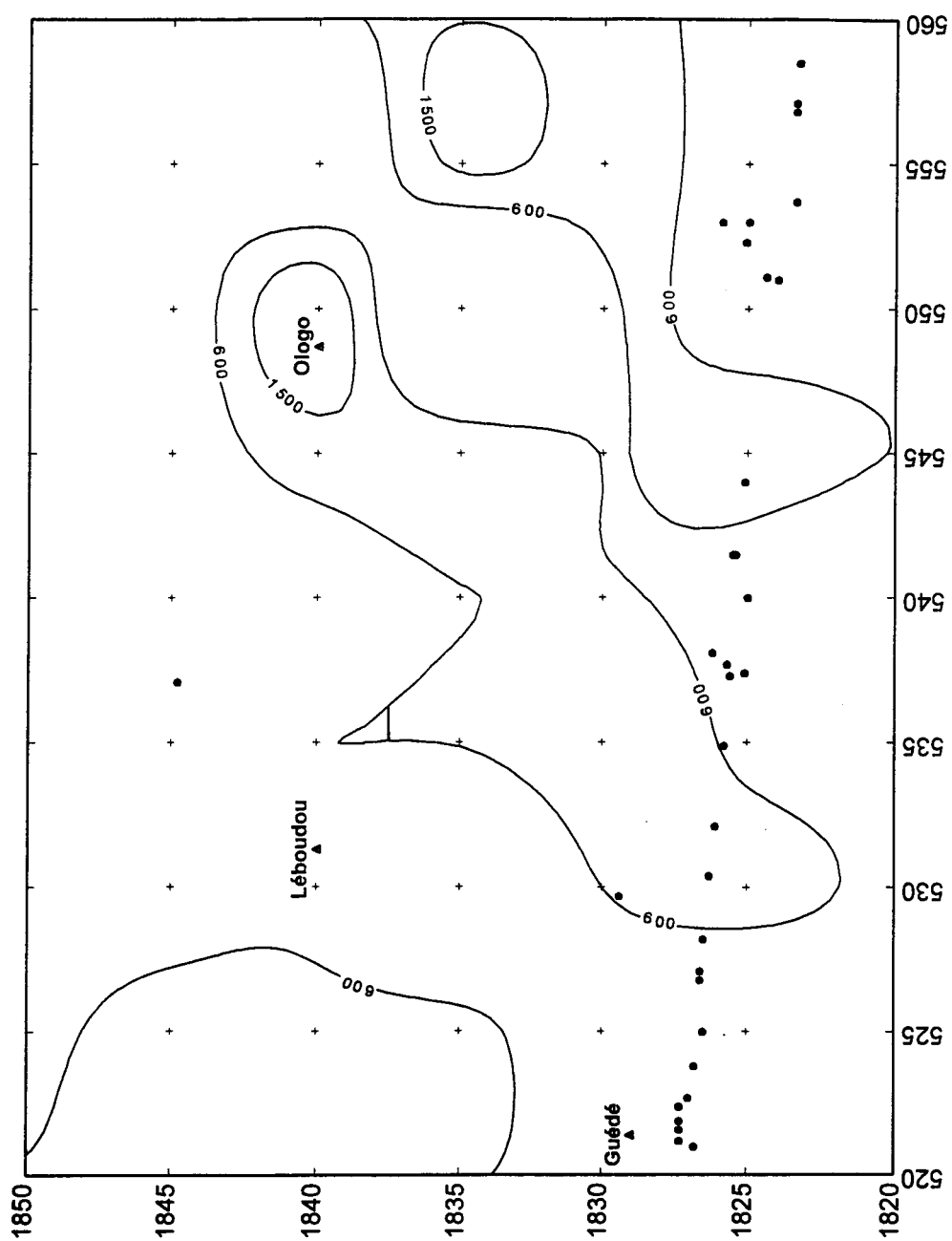
Conductivité en hautes eaux 1989

Echelle en km



Formations eocènes : Zone 1  
Conductivité en basses eaux 1989





Echelle en km

**Formations eocènes : Zone 3**

**Conductivité en basses eaux 1989**

Echelle en km

