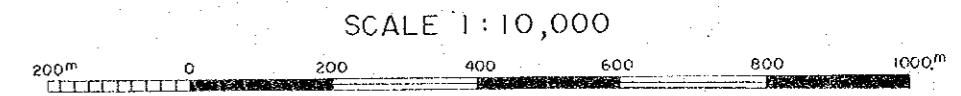
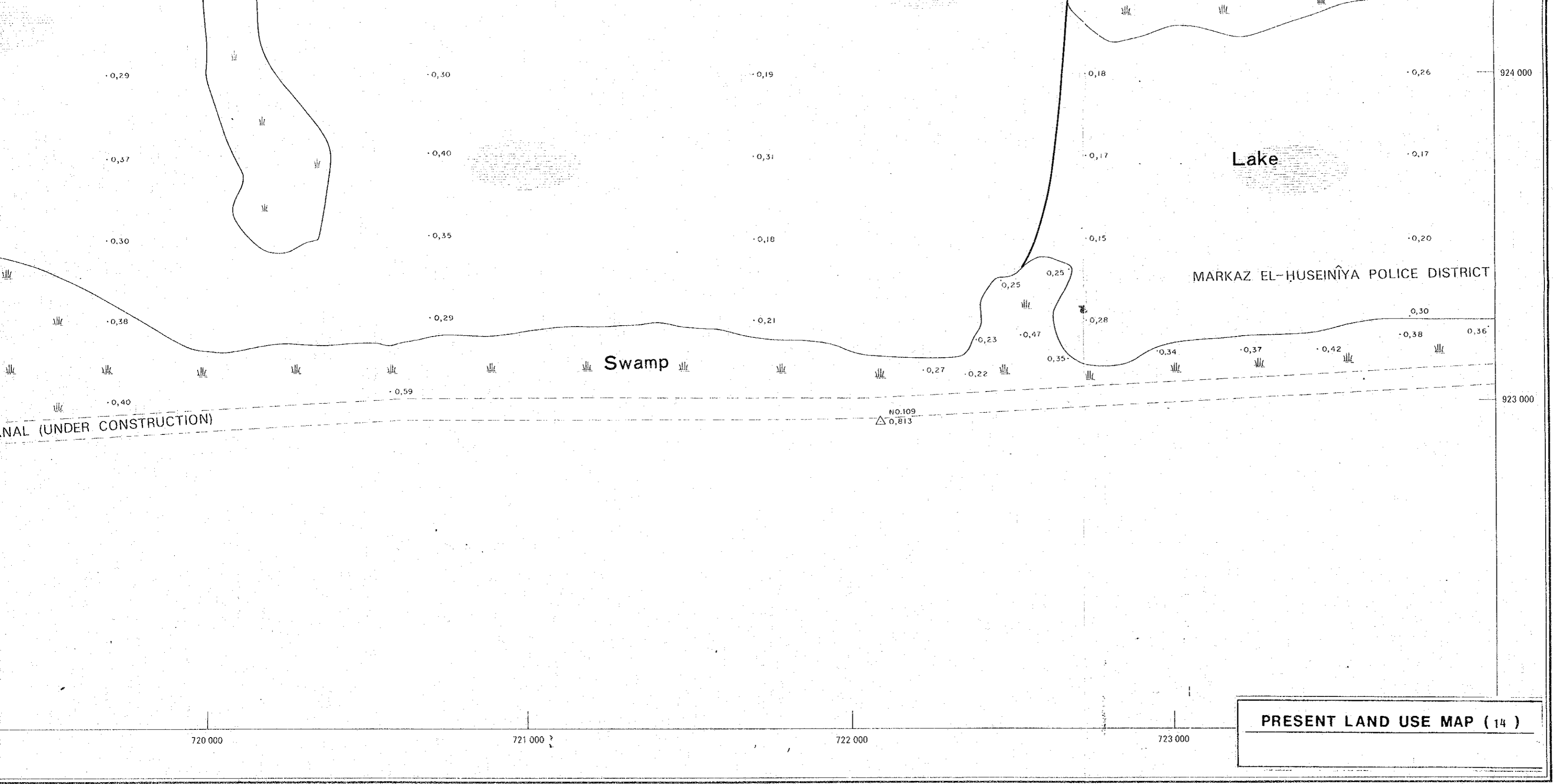


Projection : Transverse Mercator  
 Spheroid : Helmert 1906  
 Origin : 30° N (810.000mN) 31° E (615.000mE)  
 Grid Tables : Egypt Red Bolt

Compiled by the field survey party of JICA (Japan International Cooperation Agency) in July 1983, with counterpart cooperation of GARPAD (General Authority for Rehabilitation Projects & Agricultural Development) and Survey Authority of Egypt

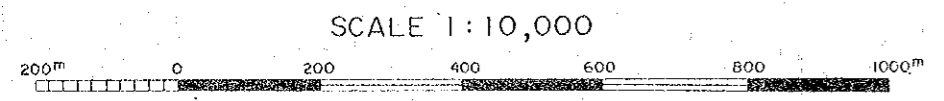


Spot height - 0,4  
Levelling height - 0,41  
Contour



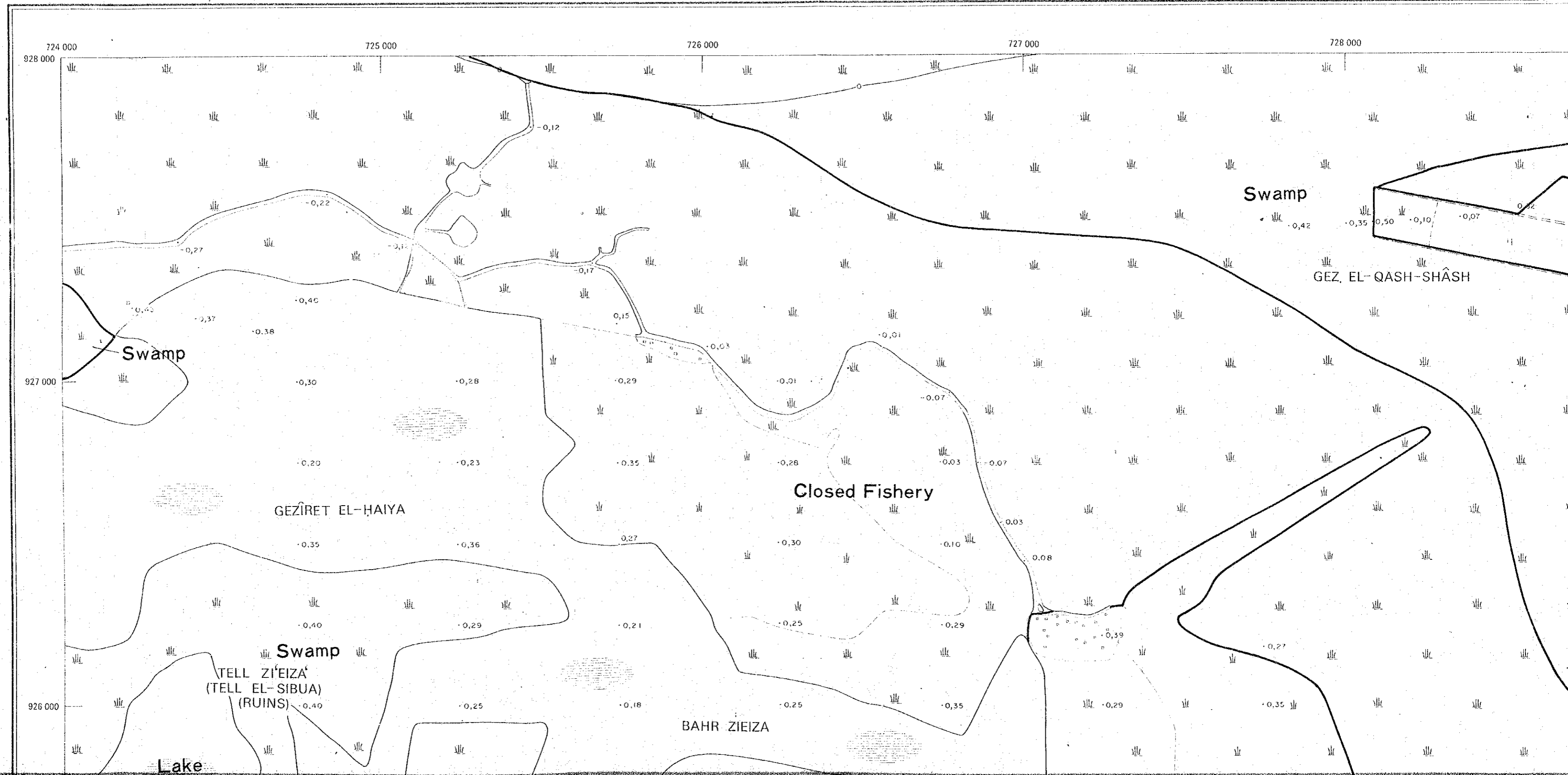
PRESENT LAND USE MAP ( 14 )

10725

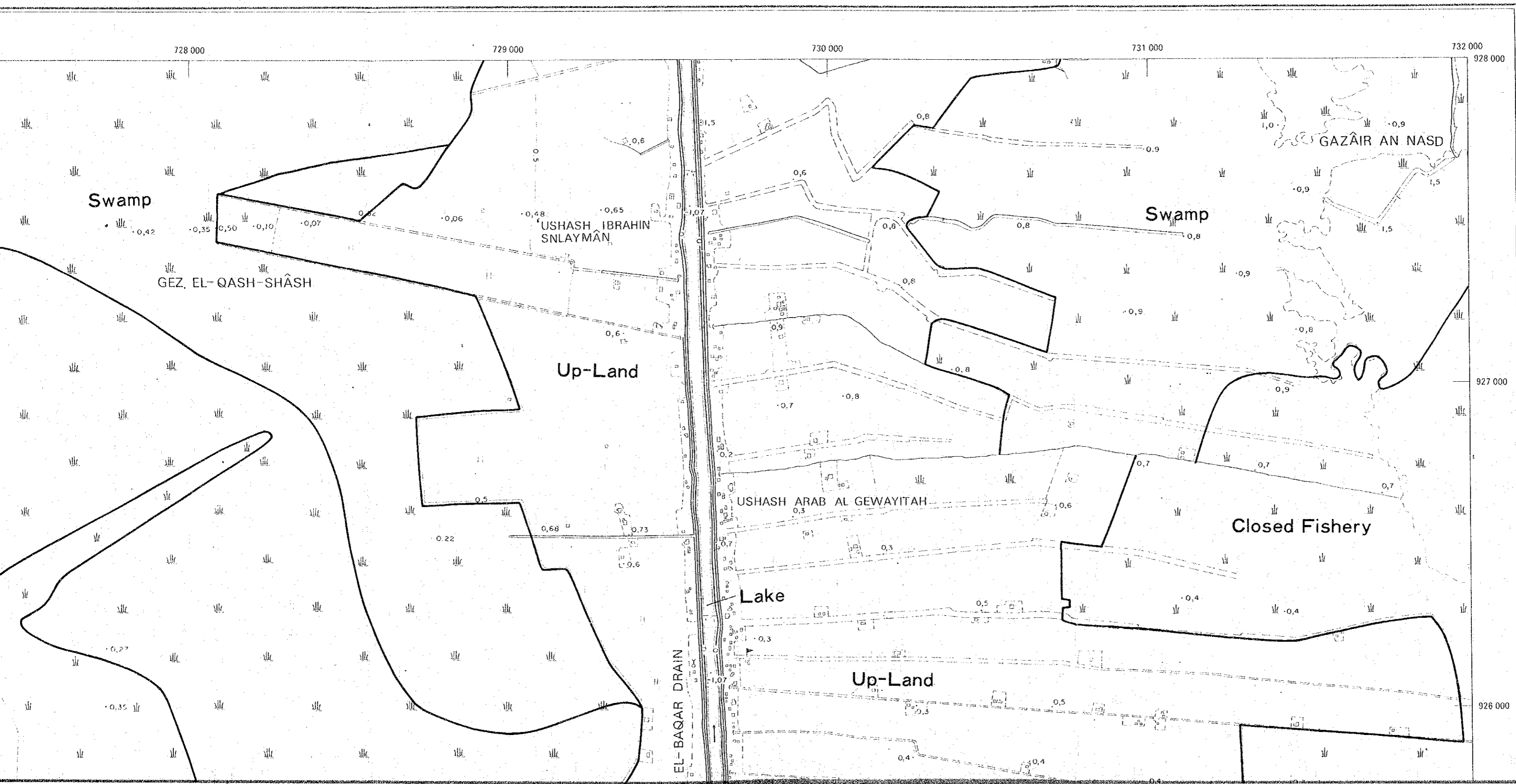


SHEET 15/16 EGYPT - SCALE 1:10,000

# NORTH HUSSINIA & SOUTH



# RUSSINIA & SOUTH PORT SAID



16-1	16-2	16-3	16-4
16-5	16-6	16-7	16-8
16-9	16-10	16-11	16-12
16-13	16-14	16-15	16-16

## LEGEND

- Hospital C
- Mosque ⊖
- School P
- Cemetery Y
- Highway =
- Paved road =



Swamp  
TELL ZI'EIZA  
(TELL EL-SIBUA)  
(RUINS)

BAHR ZIEIZA

Swamp

BUGHÂZ UMM BITEIH

GEZ. EL-SHIFFA

GEZ. EL-GUHAIYISH

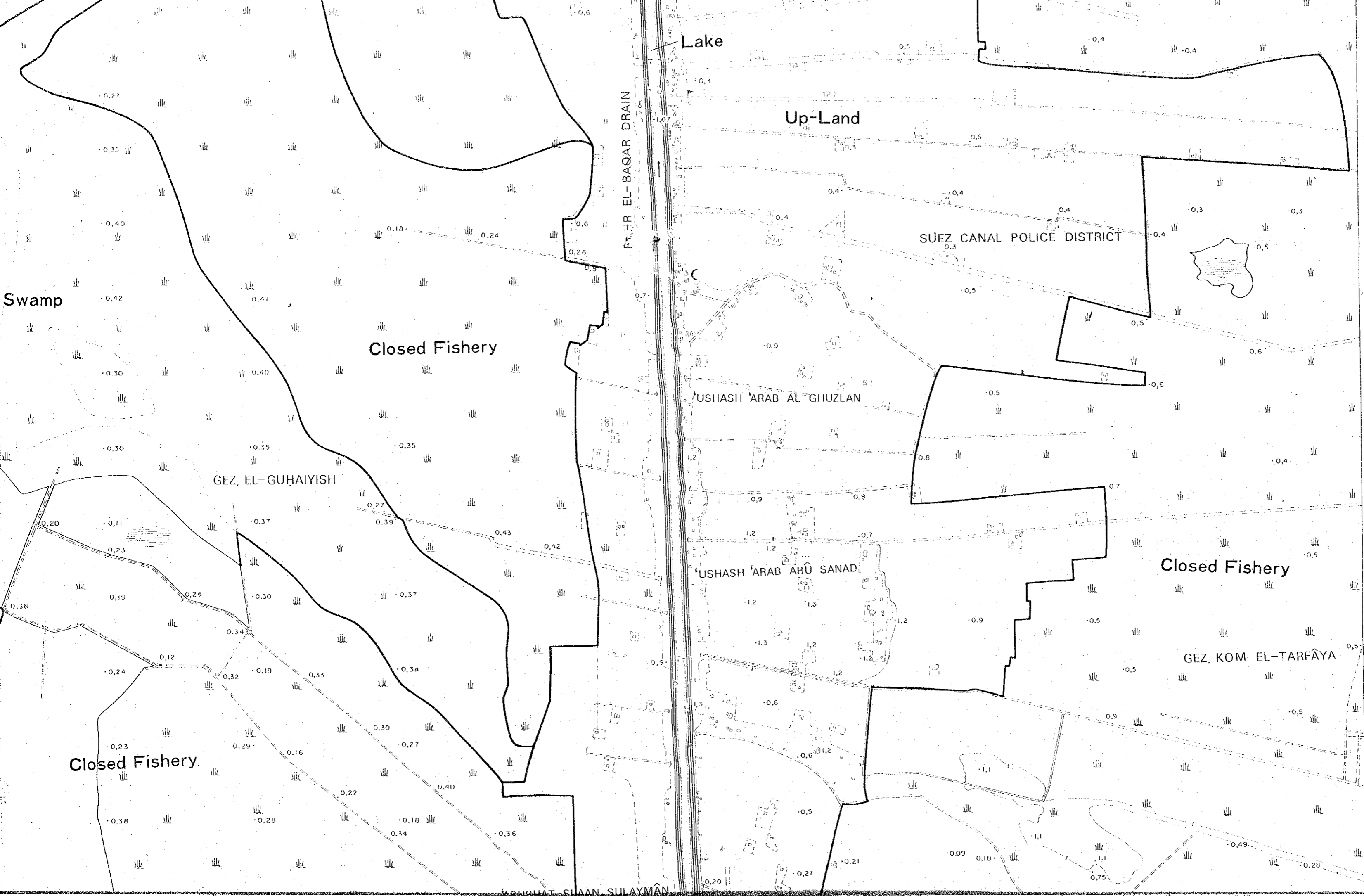
KOM RÂS EL-HUMÂRA

Swamp

Lake

Closed Fishery

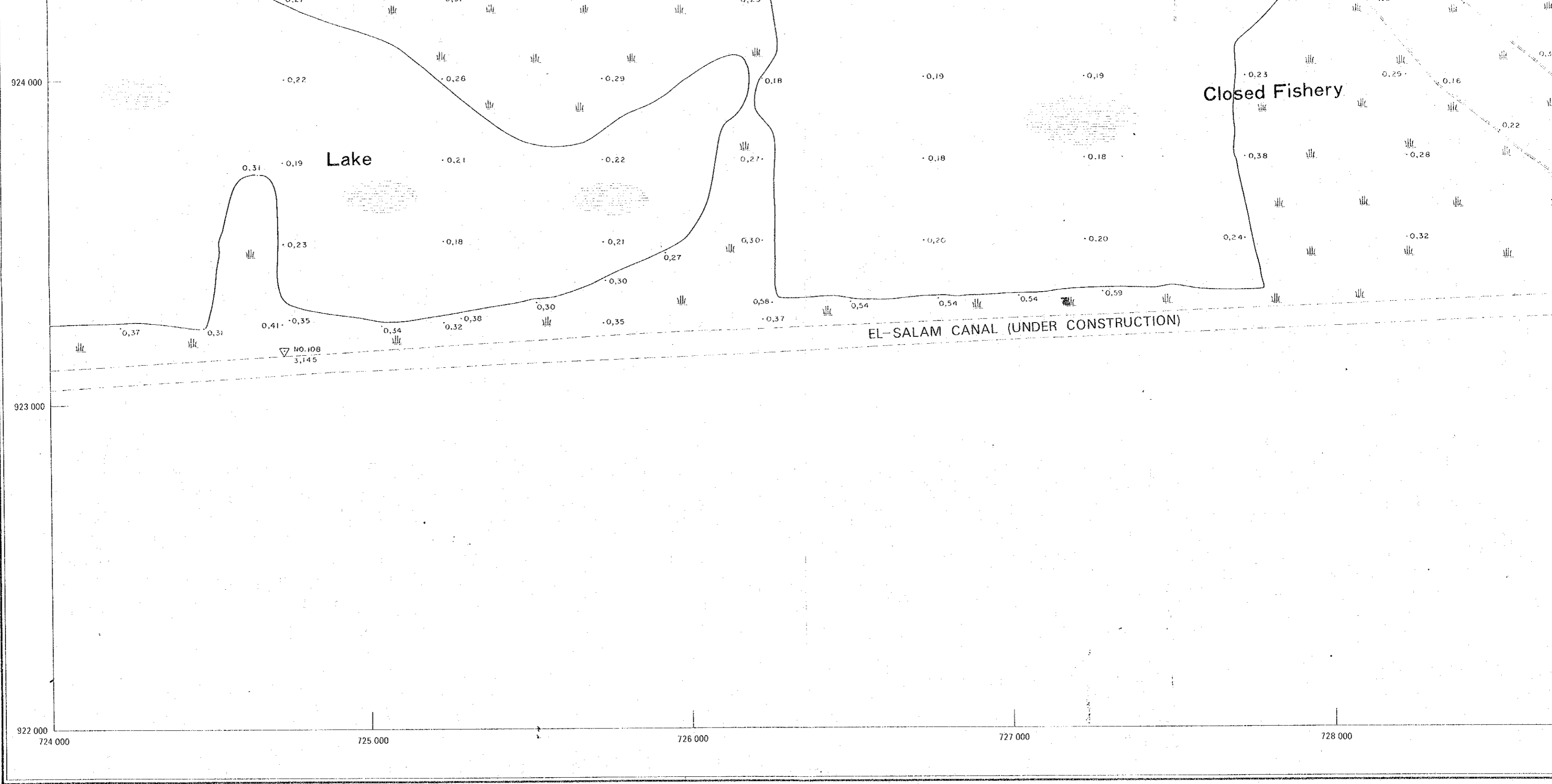
Lake



Hospital	C
Mosque	S
School	P
Cemetery	Y
Highway	====
Paved road	====
Unpaved road	====
Small road	-----
Track	-----
Bridge	====
Bank	
Levee	-----
Cultivation boundary	-----
Marsh or swamp	
Waste area	
Lake	-----
Private canal	-----
Power line	-----
Monument of traverse point and bench mark	NO.101 1,590
Monument of traverse point	NO.119
Temporary traverse point	NO.119
Bench Mark	BM.4 1,631
Spot height	·0,4
Levelling height	·0,41
Contour	-----

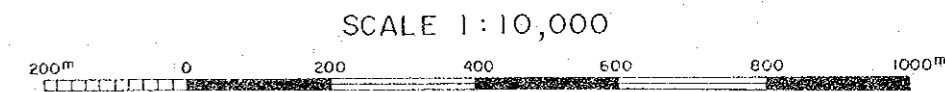
926 000  
925 000  
924 000

W. SHAHAT SUHAN SULAYMAN



Projection : Transverse Mercator  
 Spheroid : Helmert 1906  
 Origin : 30° N (810.000mN) 31° E (615.000mE)  
 Grid Tables : Egypt Red Belt

Compiled by the field survey party of JICA (Japan International Cooperation Agency) in July 1983, with counterpart cooperation of GARPAD (General Authority for Rehabilitation Projects & Agricultural Development) and Survey Authority of Egypt





Closed Fishery

ASHSHAT SLAAN SULAYMÂN

ASHSHAT  
ABDAT MARSA

EL-SALAM CANAL (UNDER CONSTRUCTION)

BRANCHE CANAL BAHR EL-BAQAR

Spot height     0,4  
 Levelling height     0,41  
 Contour     1  
                   0  
                   1

924 000

923 000

CTION)

728 000

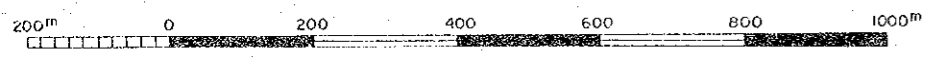
729 000

730 000

731 000

PRESENT LAND USE MAP ( 15 )

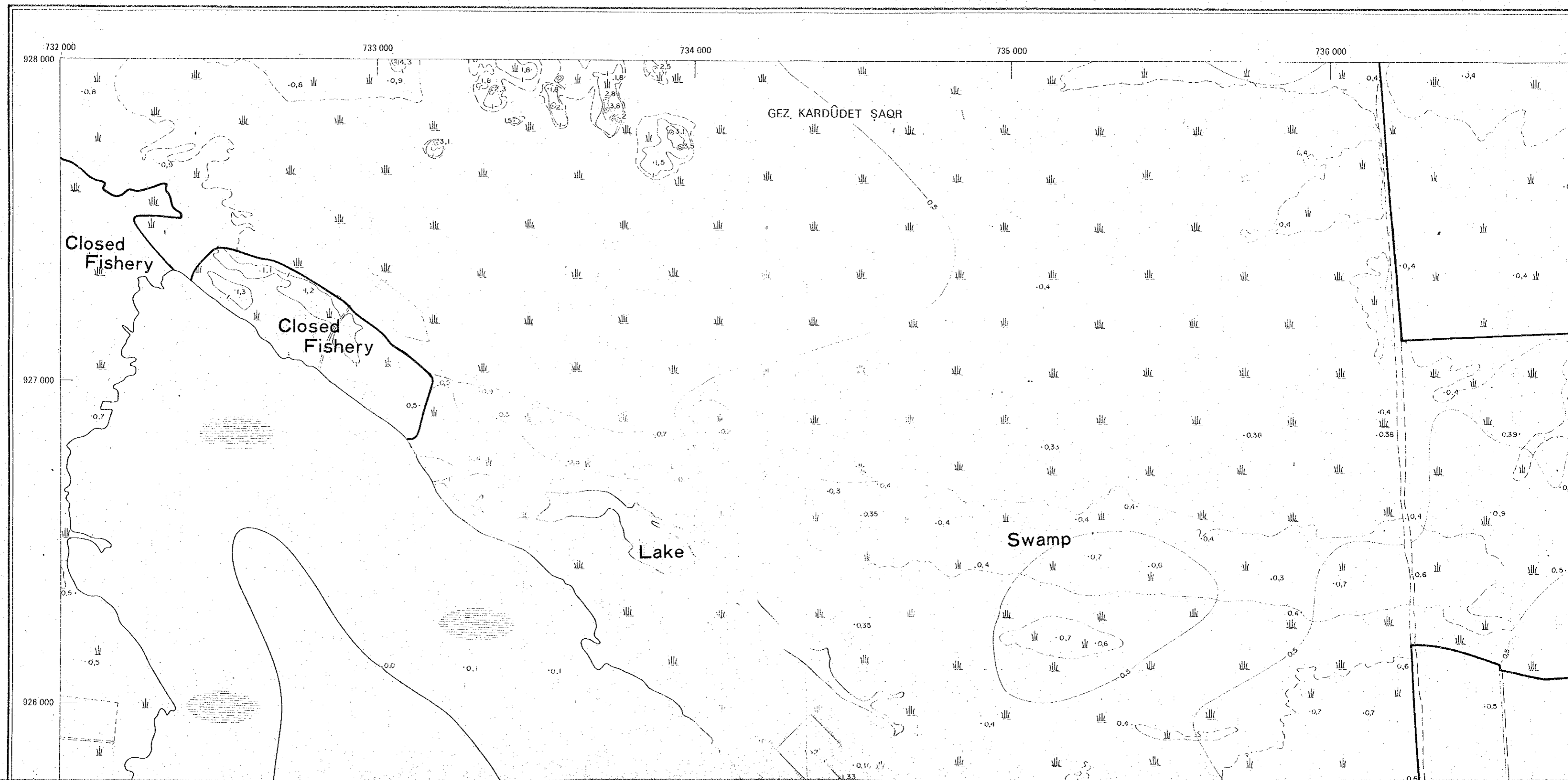
SCALE 1:10,000



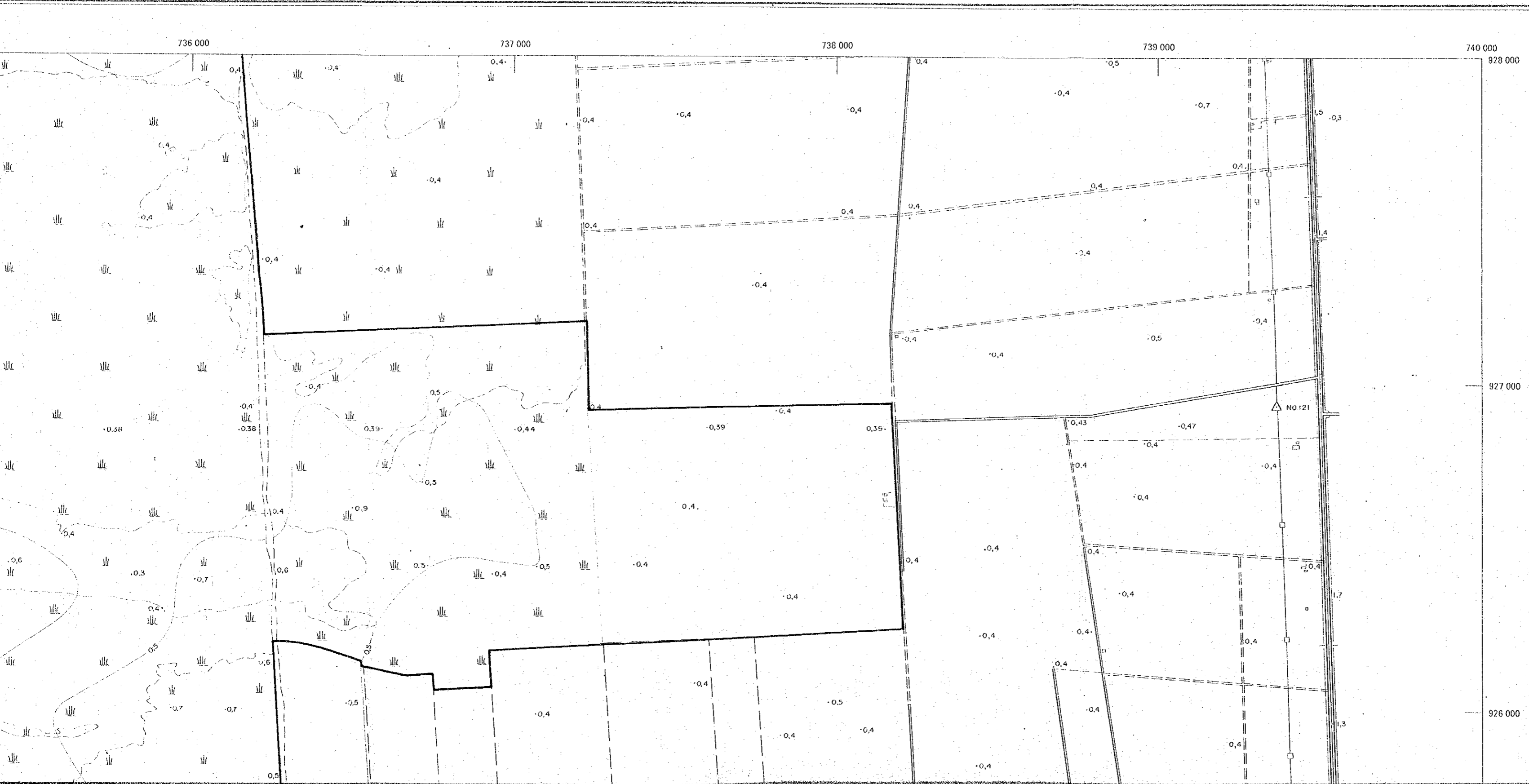
10725

SHEET  $\frac{16}{16}$  EGYPT - SCALE 1 : 10,000

NORTH HUSSINIA & SOUTH



# RUSSINIA & SOUTH PORT SAID



16-1	16-2	16-3	16-4
16-5	16-6	16-7	16-8
16-9	16-10	16-11	16-12
16-13	16-14	16-15	16-16

## LEGEND

- Hospital C
- Mosque S
- School P
- Cemetery Y
- Highway =====
- Paved road =====

926 000

925 000

924 000

Lake  
SUEZ CANAL POLICE DISTRICT

Closed Fishery

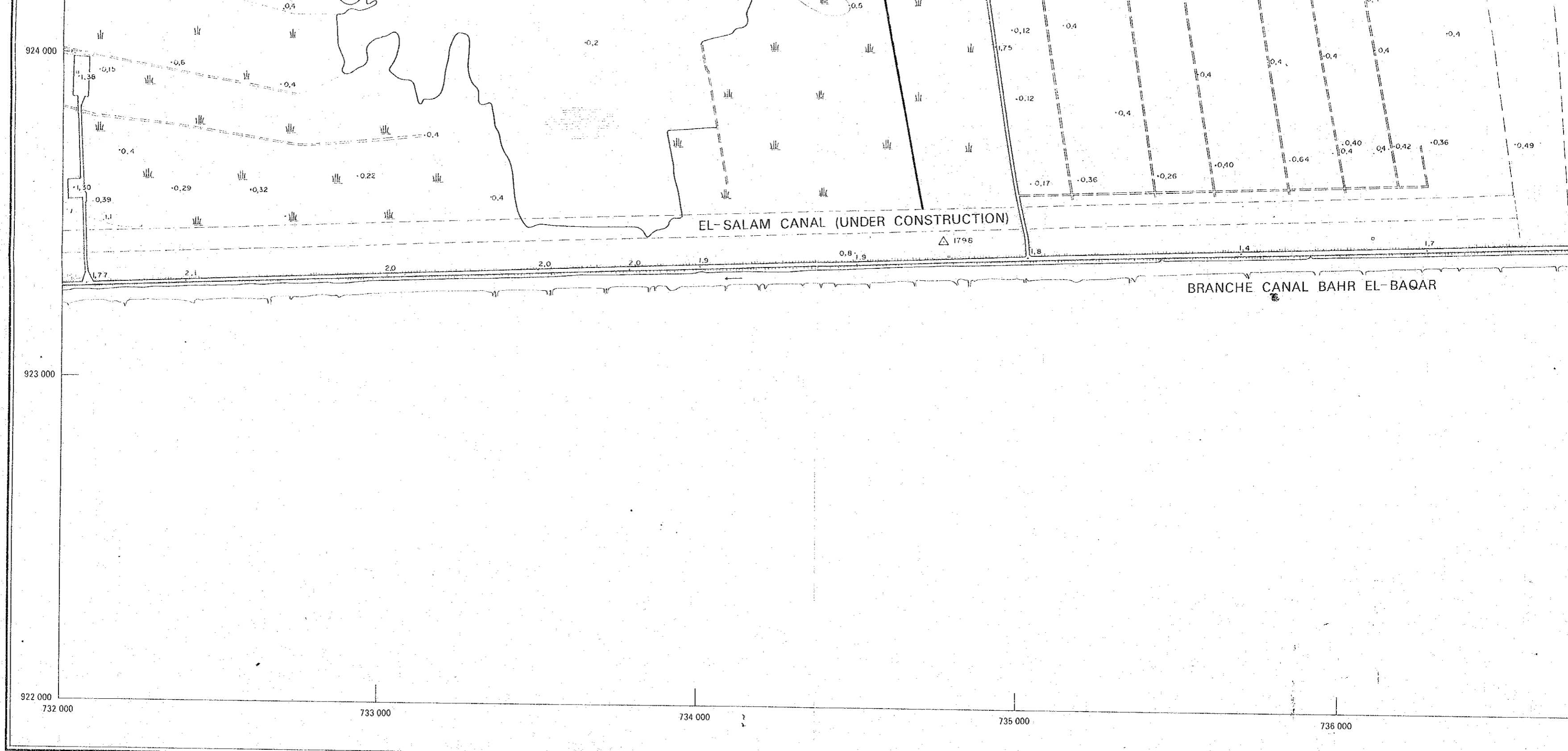
EL SALAM CANAL (UNDER CONSTRUCTION)





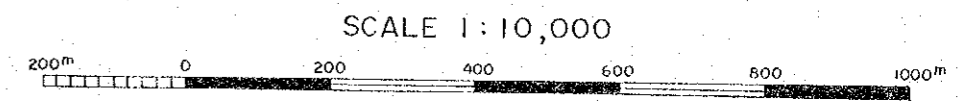
**LEGEND**

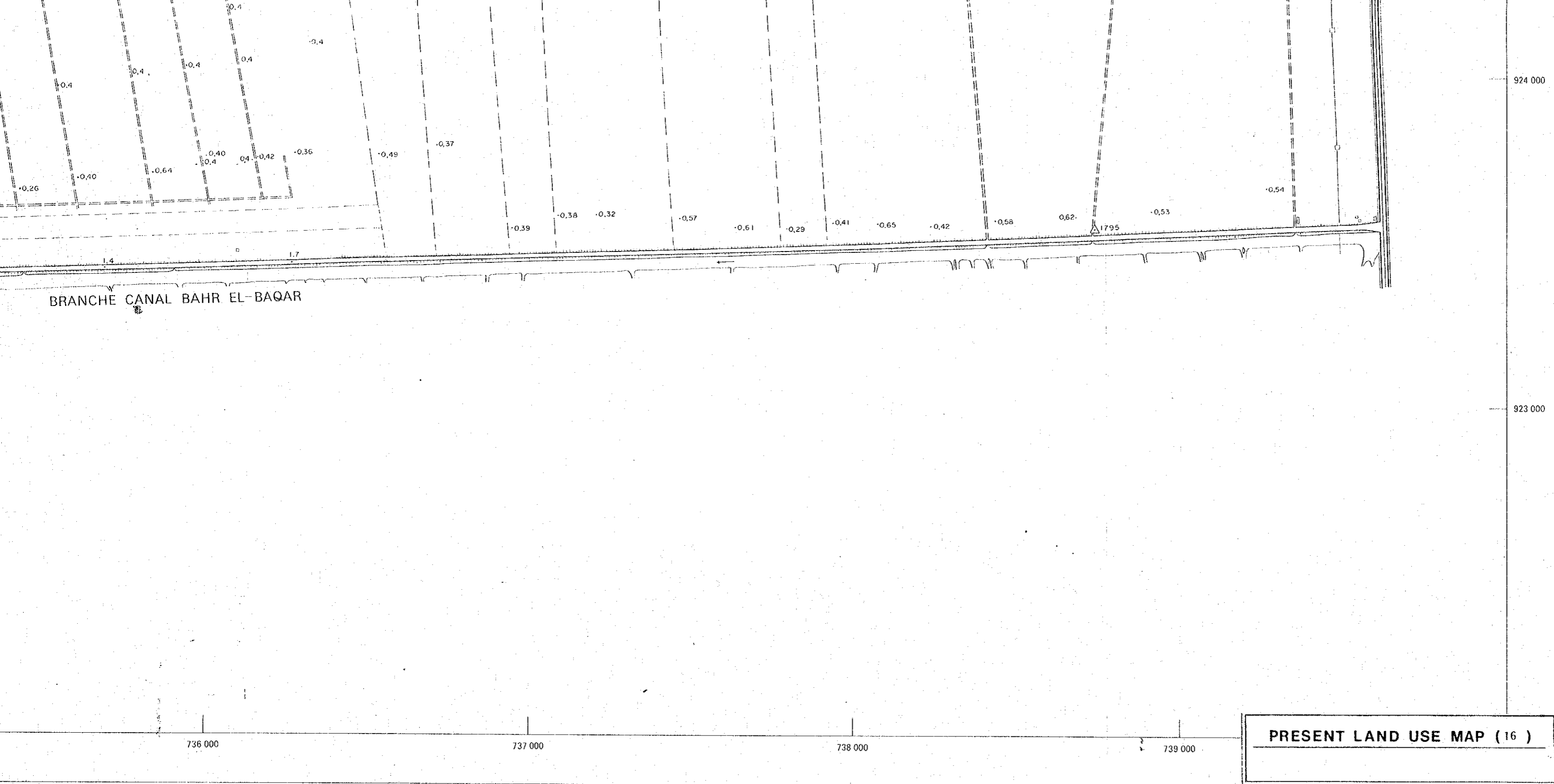
Hospital	
Mosque	
School	
Cemetery	
Highway	
Paved road	
Unpaved road	
Small road	
Track	
Bridge	
Bank	
Levee	
Cultivation boundary	
Marsh or swamp	
Waste area	
Lake	
Private canal	
Power line	
Monument of traverse point and bench mark	
Monument of traverse point	
Temporary traverse point	
Bench Mark	
Spot height	
Levelling height	
Contour	



Projection : Transverse Mercator  
 Spheroid : Helmert 1906  
 Origin : 30° N (810.000mN) 31° E (615.000mE)  
 Grid Tables : Egypt Red Belt

Compiled by the field survey party of JICA (Japan International Cooperation Agency) in July 1983, with counterpart cooperation of GARPAD (General Authority for Rehabilitation Projects & Agricultural Development) and Survey Authority of Egypt



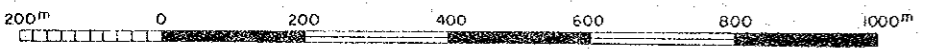


Bench Mark	□ 1631
Spot height	· 0,4
Levelling height	· 0,41
Contour	— 0 — — 1 —

BRANCHE CANAL BAHR EL-BAQAR

PRESENT LAND USE MAP ( 16 )

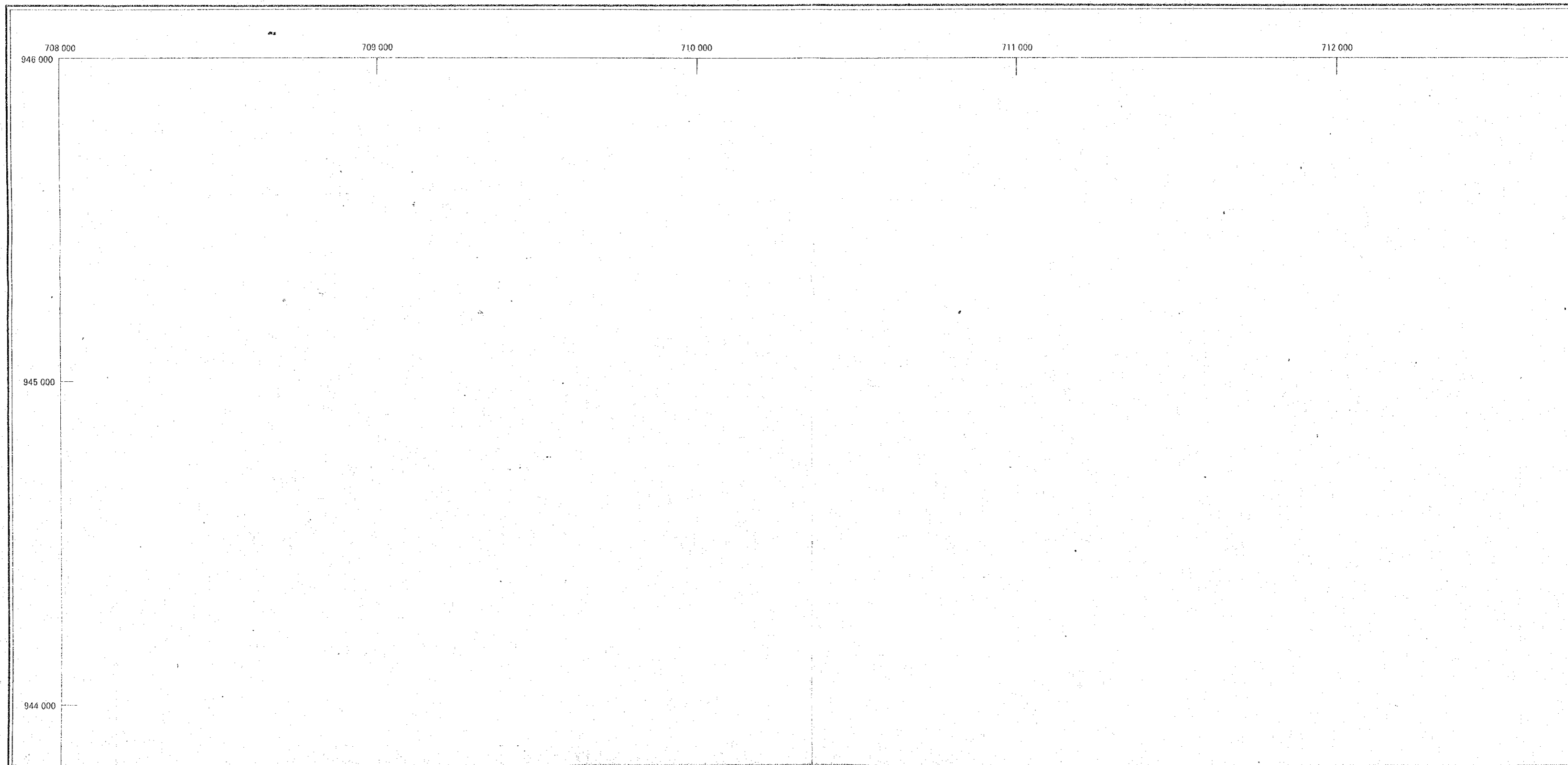
SCALE 1 : 10,000



10725

SHEET  $\frac{1}{16}$  EGYPT - SCALE 1 : 10,000

NORTH HUSSINIA & SOUT





# USSINIA & SOUTH PORT SAID

712 000

713 000

714 000

715 000

716 000



946 000

945 000

944 000

16-1	16-2	16-3	16-4
16-5	16-6	16-7	16-8
16-9	16-10	16-11	16-12
16-13	16-14	16-15	16-16

## LEGEND

- Hospital C
- Mosque ⌘
- School P
- Cemetery Y
- Highway 
- Paved road 

944 000

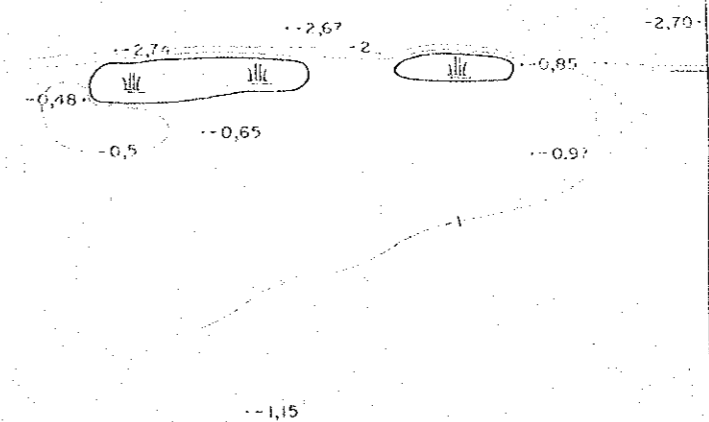
943 000

942 000

LEGEND

Hospital		
Mosque		
School		
Cemetery		
Highway		
Paved road		
Unpaved road		
Small road		
Track		
Bridge		
Bank		
Levee		
Cultivation boundary		
Marsh or swamp		
Waste area		
Lake		
Private canal		
Power line		
Monument of traverse point and bench mark		NO.101 1,550
Monument of traverse point		NO.119
Temporary traverse point		NO.119
Bench Mark		BM.4 1,531
Spot height	-0,4	
Levelling height	-0,41	
Contour		

EL-MANZALA CANAL



942 000

941 000

940 000  
708 000

709 000

710 000

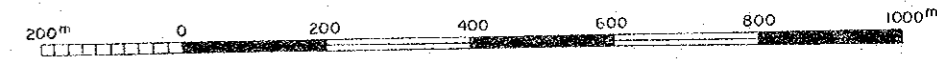
711 000

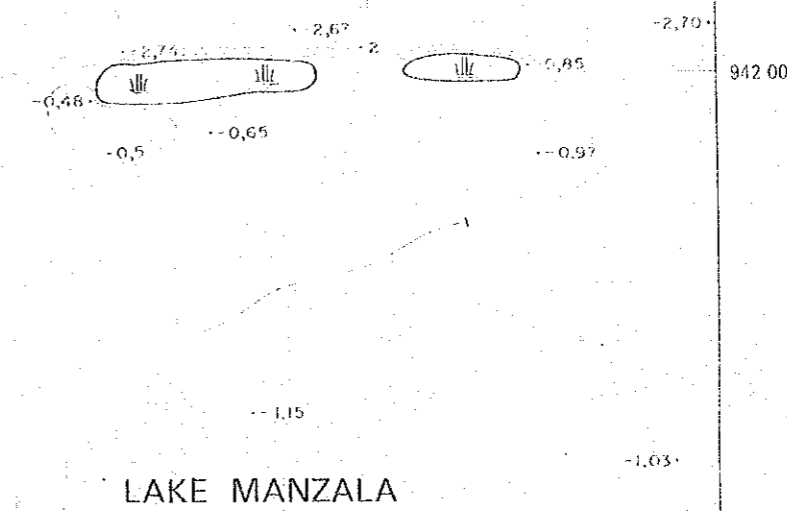
712 000

Projection : Transverse Mercator  
Spheroid : Helmert 1906  
Origin : 30° N (810.000mN) 31° E (615.000mE)  
Grid Tables : Egypt Red Belt

Compiled by the field survey party of JICA (Japan International Cooperation Agency) in July 1983, with counterpart cooperation of GARPAD (General Authority for Rehabilitation Projects & Agricultural Development) and Survey Authority of Egypt

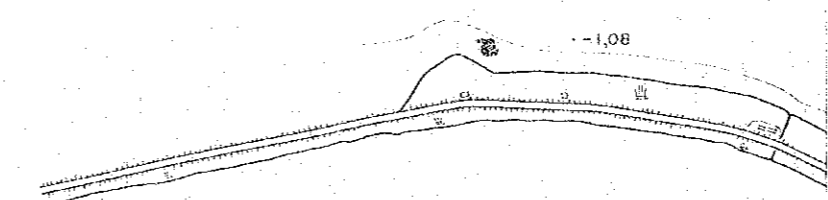
SCALE 1 : 10,000





Levelling height 0.41  
 Contour

LAKE MANZALA



**SOIL MAP ( 1 )**  
**LEGEND**

10725

**INUNDATED AREA Sulfic Hydroaquents**

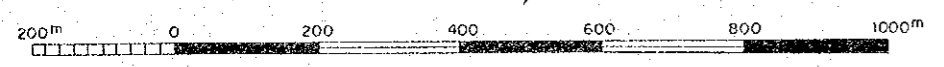
- Soil Family
- JAC-aw1** Thermic, clayey, montomorillonitic, with hard clayey soils
  - JAC-aw2** Thermic, loamy soils
  - JAC-aw3** Thermic, loamy over clayey, soils
  - JAC-aw4** Thermic, clayey, montomorillonitic, subsoil brown soils
  - JAC-aw5** Thermic, clayey, montomorillonitic, with deep zone

**DRY LAND Typic Salorthids**

- Soil Family
- EBA-AR1** Thermic, clayey, montomorillonitic, soils with very shallow reduced zone
  - EBA-AR2** Thermic, light clayey, montomorillonitic, soils with shallow reduced zone
  - EBA-AD1** Thermic, silty clayey, montomorillonitic, with moderately deep zone
  - EBA-AD2** Thermic, clayey, montomorillonitic, with deep zone
  - EBA-AD3** Thermic, silty clayey, montomorillonitic, soils with very deep zone
  - EBA-AD3H** Thermic, clayey over hard clay, montomorillonitic, soils with very deep zone

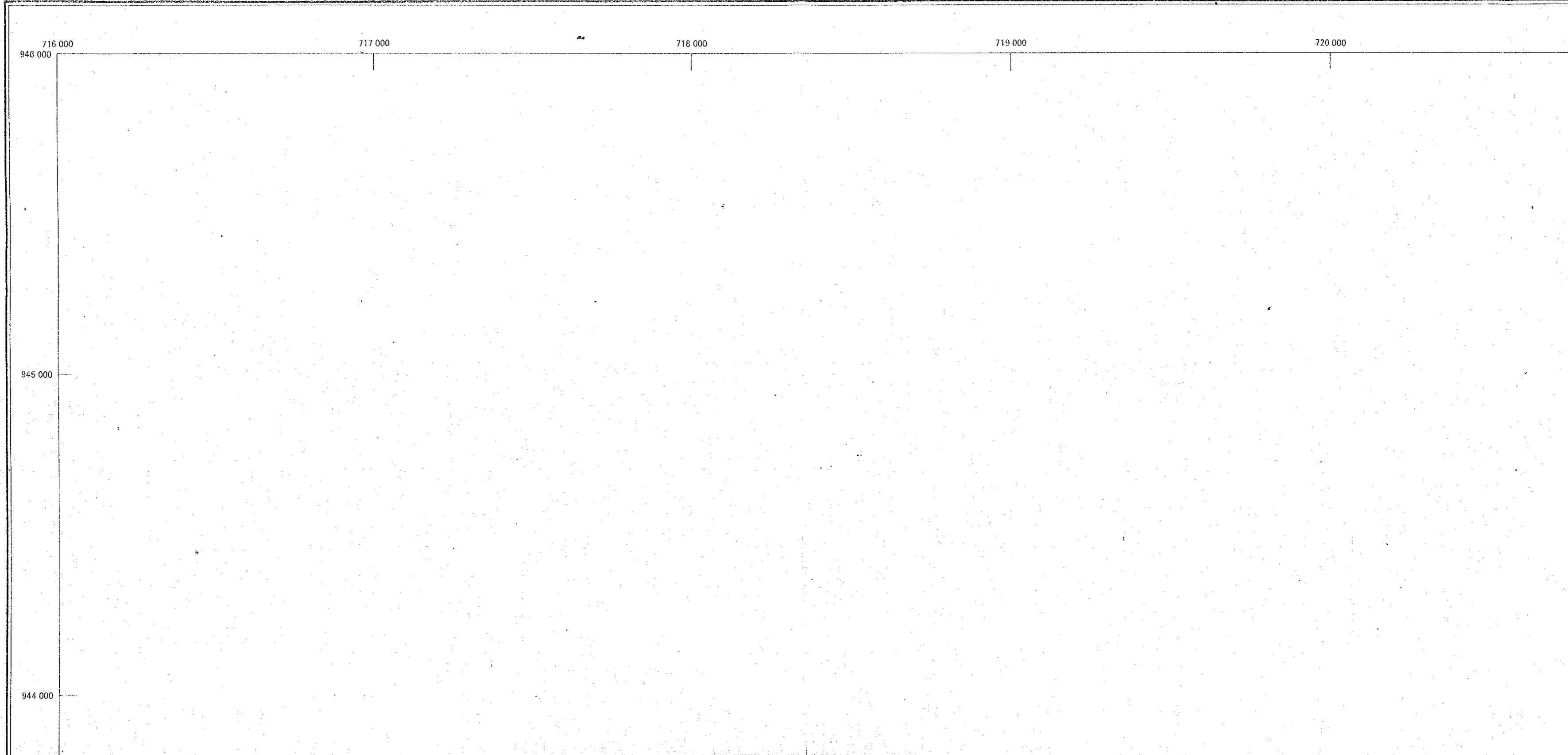
712 000                      713 000                      714 000                      715 000

SCALE 1:10,000



SHEET  $\frac{2}{16}$  EGYPT - SCALE 1:10,000

NORTH HUSSINIA & SOUTH



# HUSSINIA & SOUTH PORT SAID

720 000

721 000

722 000

723 000

724 000







946 000

945 000

944 000

16-1	16-2	16-3	16-4
16-5	16-6	16-7	16-8
16-9	16-10	16-11	16-12
16-13	16-14	16-15	16-16

## LEGEND

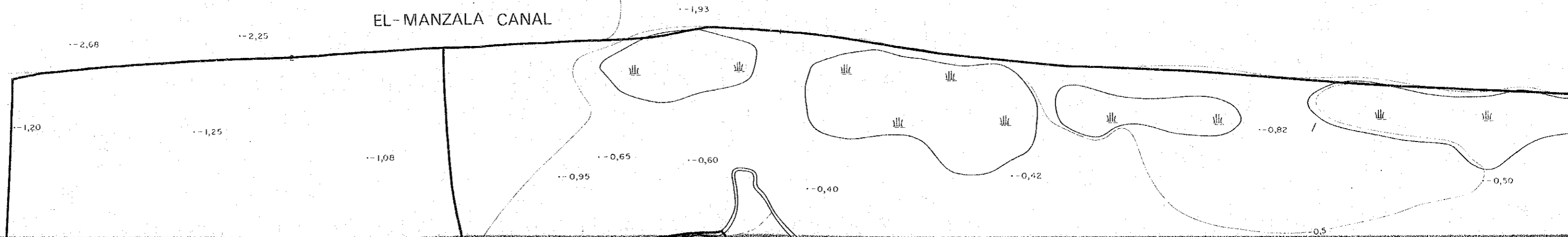
- Hospital 
- Mosque 
- School 
- Cemetery 
- Highway 
- Paved road 

944 000

943 000

942 000

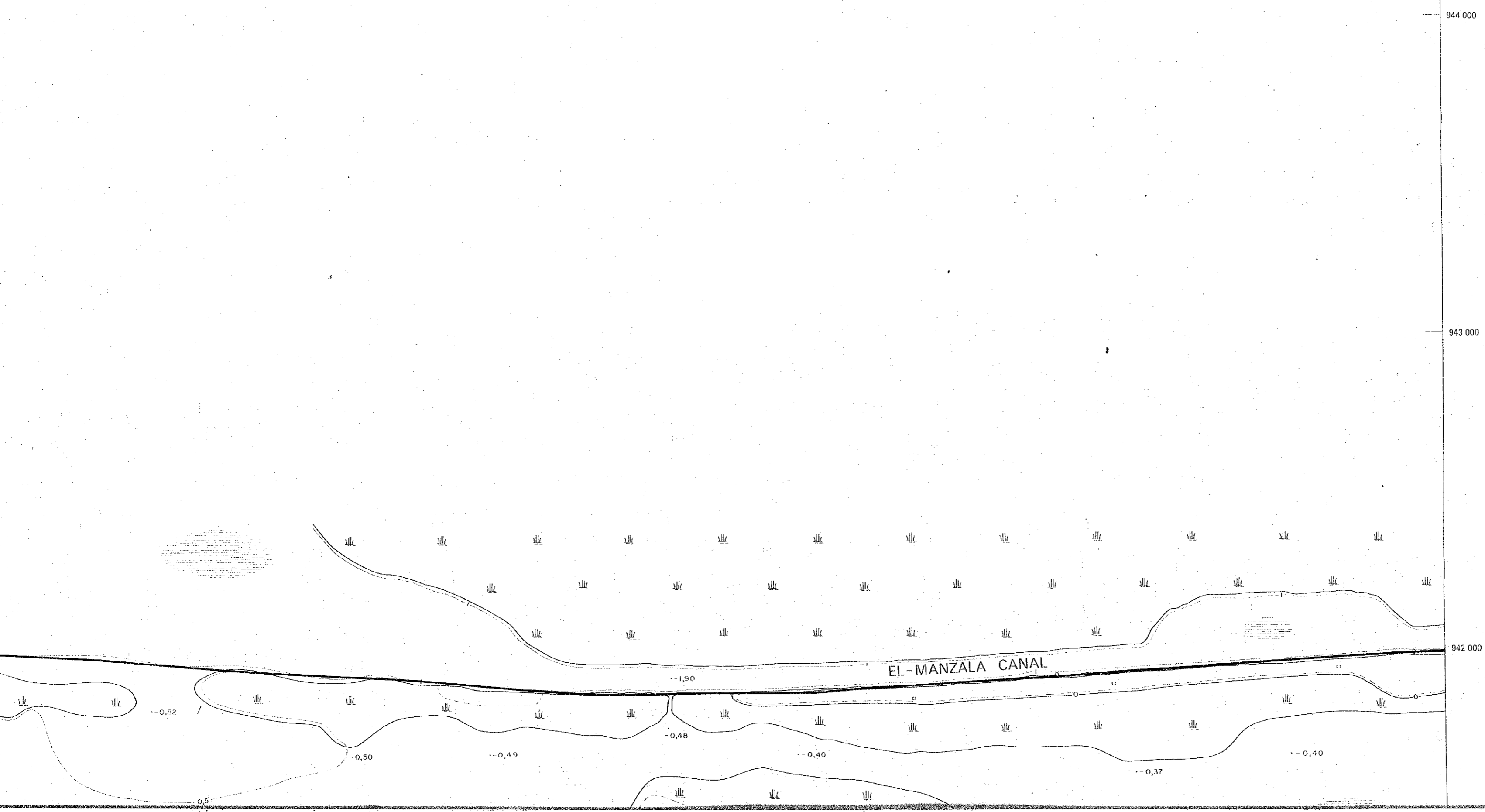
EL-MANZALA CANAL

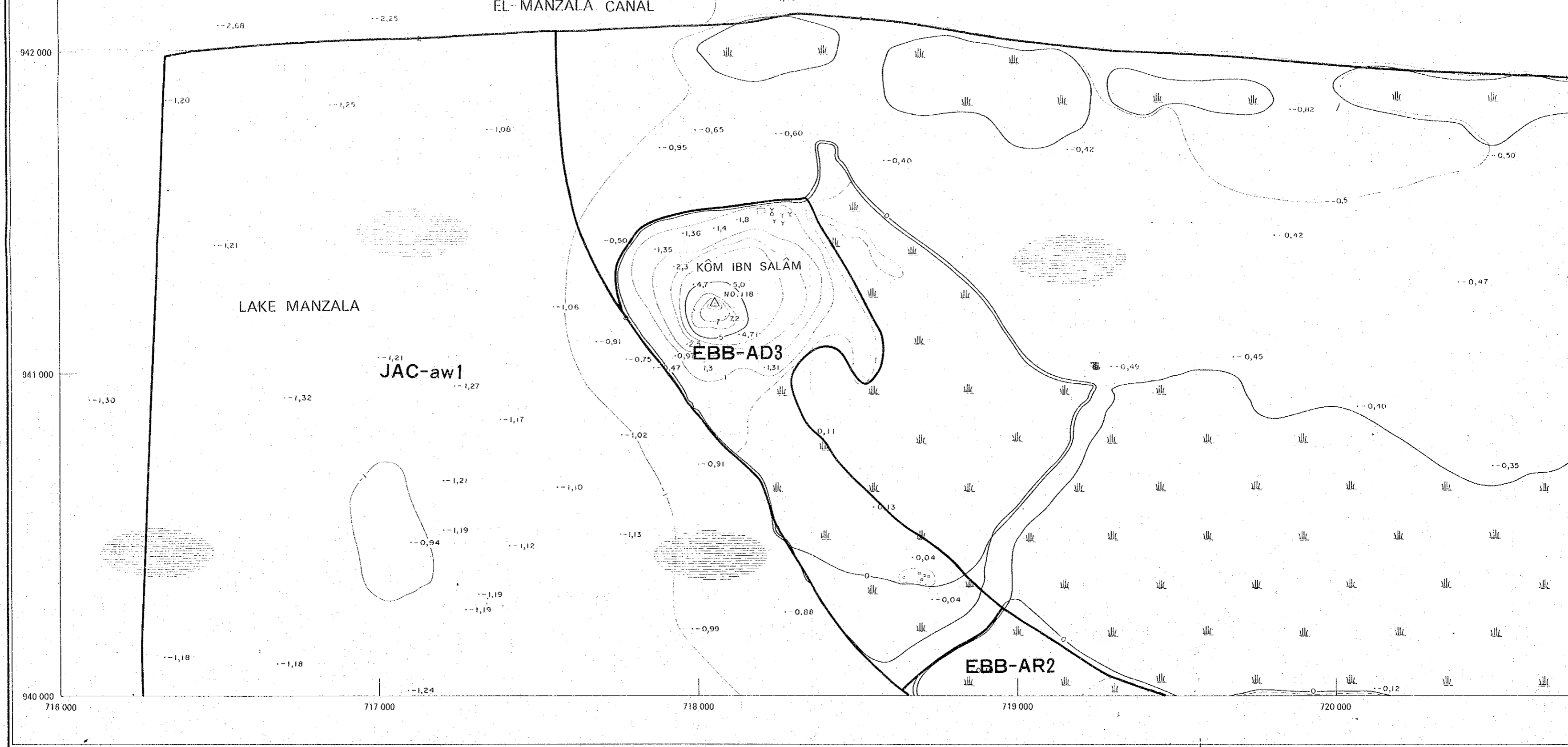




LEGEND

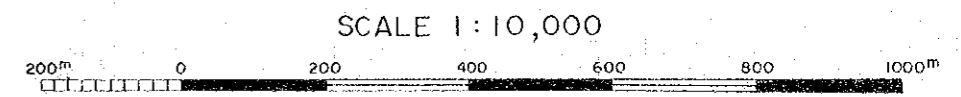
Hospital	C
Mosque	⊗
School	⌘
Cemetery	Y
Highway	====
Paved road	=====
Unpaved road	=====
Small road	=====
Track	-----
Bridge	-----
Bank	
Levee	-----
Cultivation boundary	⬡
Marsh or swamp	
Waste area	
Lake	⬢
Private canal	⌘
Power line	□-□
Monument of traverse point and bench mark	△ NO.101 1,590
Monument of traverse point	△ NO.119
Temporary traverse point	▽ NO.119
Bench Mark	□ BM.4 1,631
Spot height	· 0,4
Levelling height	· 0,41
Contour	⌘

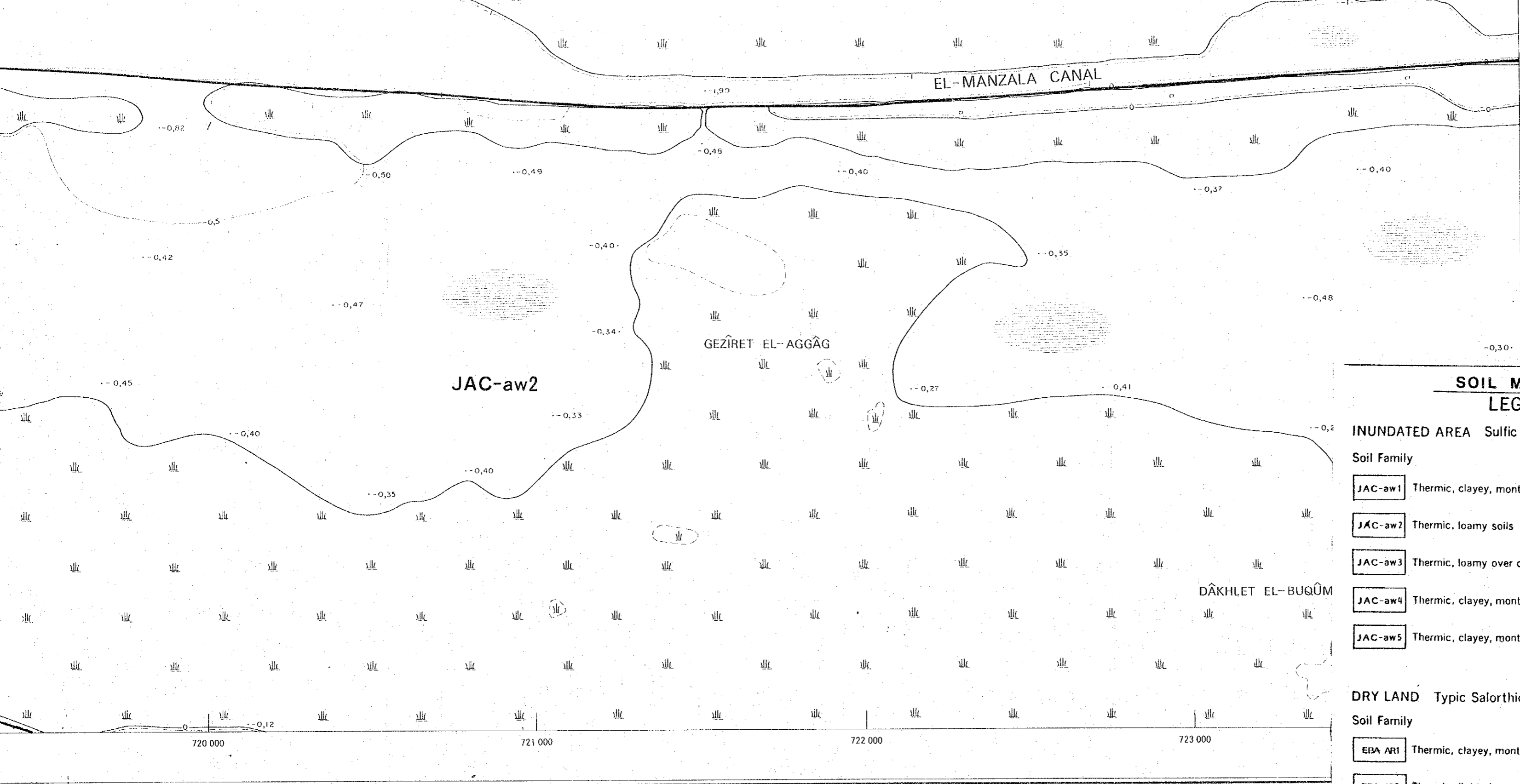




Projection : Transverse Mercator  
 Spheroid : Helmert 1906  
 Origin : 30° N (810,000mN) 31° E (615,000mE)  
 Grid Tables : Egypt Red Belt

Compiled by the field survey party of JICA (Japan International Cooperation Agency) in July 1983, with counterpart cooperation of GARPAD (General Authority for Rehabilitation Projects & Agricultural Development) and Survey Authority of Egypt

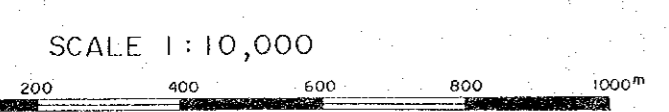




Spot height 0,4  
 Levelling height 0,41  
 Contour

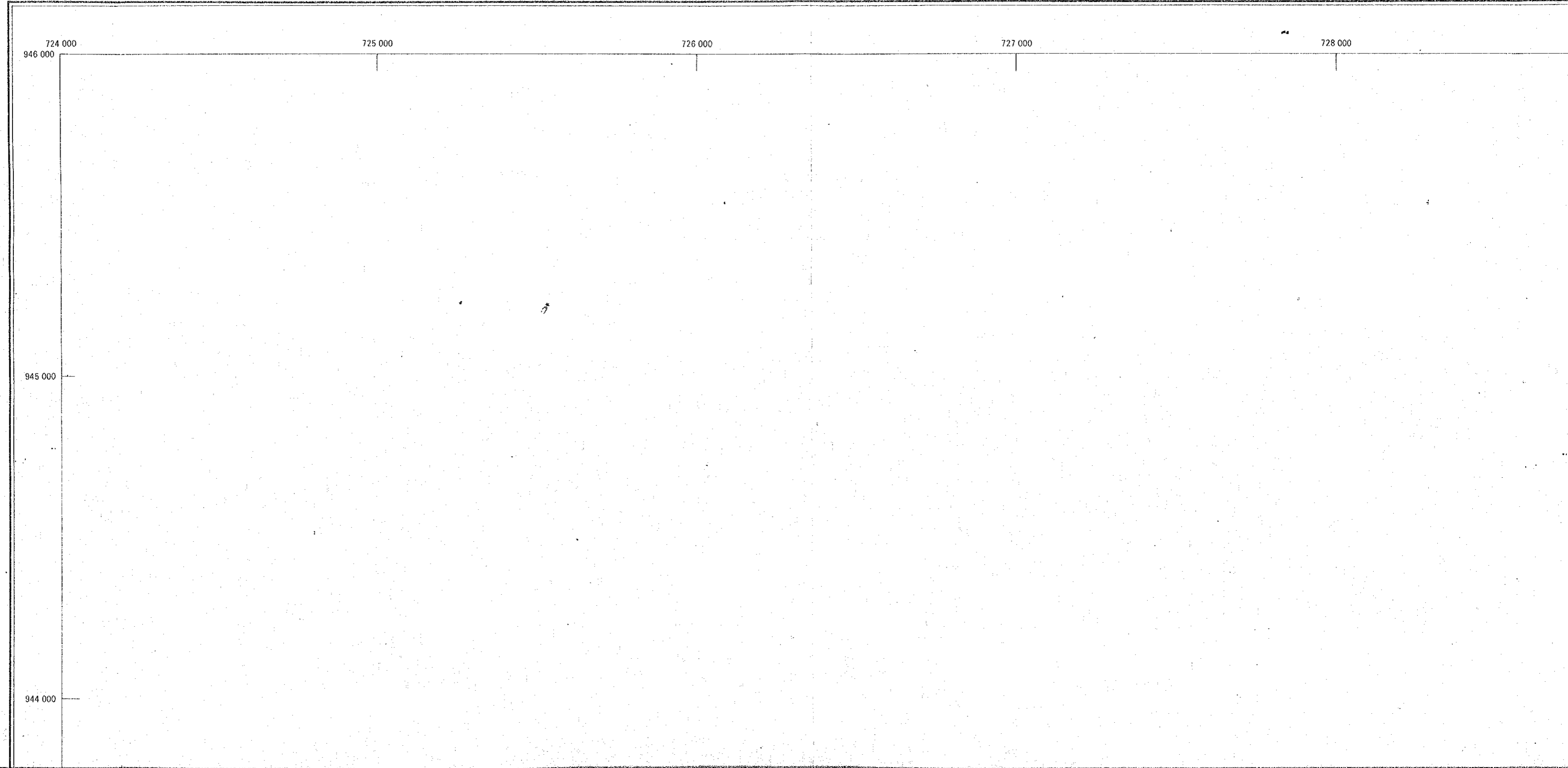
**SOIL MAP ( 2 )**  
**LEGEND** 10725

- INUNDATED AREA Sulfic Hydroaquents**
- Soil Family**
- JAC-aw1 Thermic, clayey, montomorillonitic, with hard clayey soils
  - JAC-aw2 Thermic, loamy soils
  - JAC-aw3 Thermic, loamy over clayey, soils
  - JAC-aw4 Thermic, clayey, montomorillonitic, subsoil brown soils
  - JAC-aw5 Thermic, clayey, montomorillonitic, with deep zone
- DRY LAND Typic Salorthids**
- Soil Family**
- EBA-AR1 Thermic, clayey, montomorillonitic, soils with very shallow reduced zone
  - EBA-AR2 Thermic, light clayey, montomorillonitic, soils with shallow reduced zone
  - EBA-AD1 Thermic, silty clayey, montomorillonitic, with moderately deep zone
  - EBA-AD2 Thermic, clayey, montomorillonitic, with deep zone
  - EBA-AD3 Thermic, silty clayey, montomorillonitic, soils with very deep zone
  - EBA-AD3H Thermic, clayey over hard clay, montomorillonitic, soils with very deep zone



SHEET  $\frac{3}{16}$  EGYPT - SCALE 1:10,000

NORTH HUSSINIA & SOUTH



# HUSSINIA & SOUTH PORT SAID

728 000

729 000

730 000

731 000

732 000

946 000

16-1	16-2	16-3	16-4
16-5	16-6	16-7	16-8
16-9	16-10	16-11	16-12
16-13	16-14	16-15	16-16

BÛG HÂZ ABU GANB

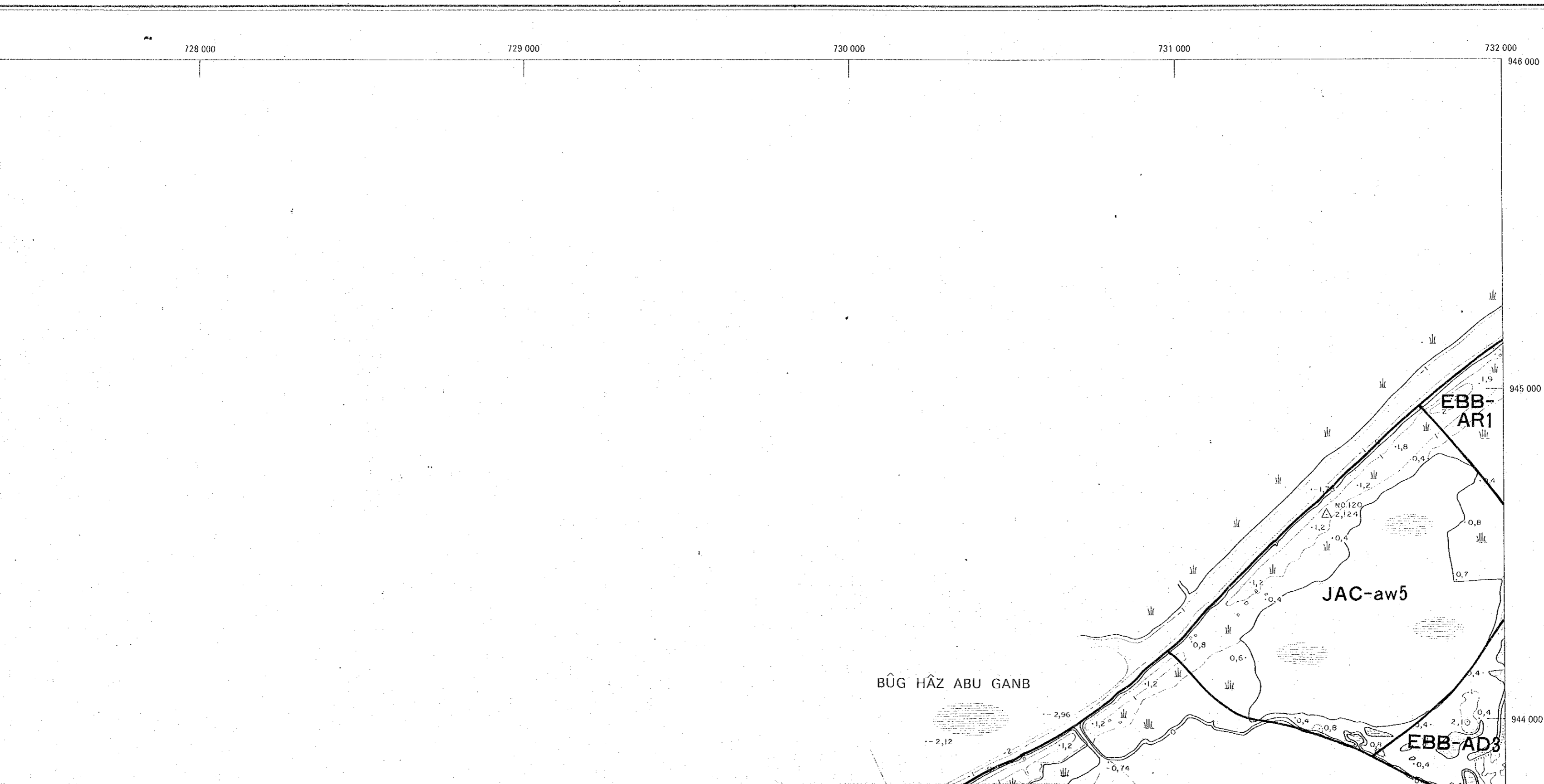
JAC-aw5

EBB-AR1

EBB-AD3

## LEGEND

- Hospital
- Mosque
- School
- Cemetery
- Highway
- Paved road



944 000

943 000

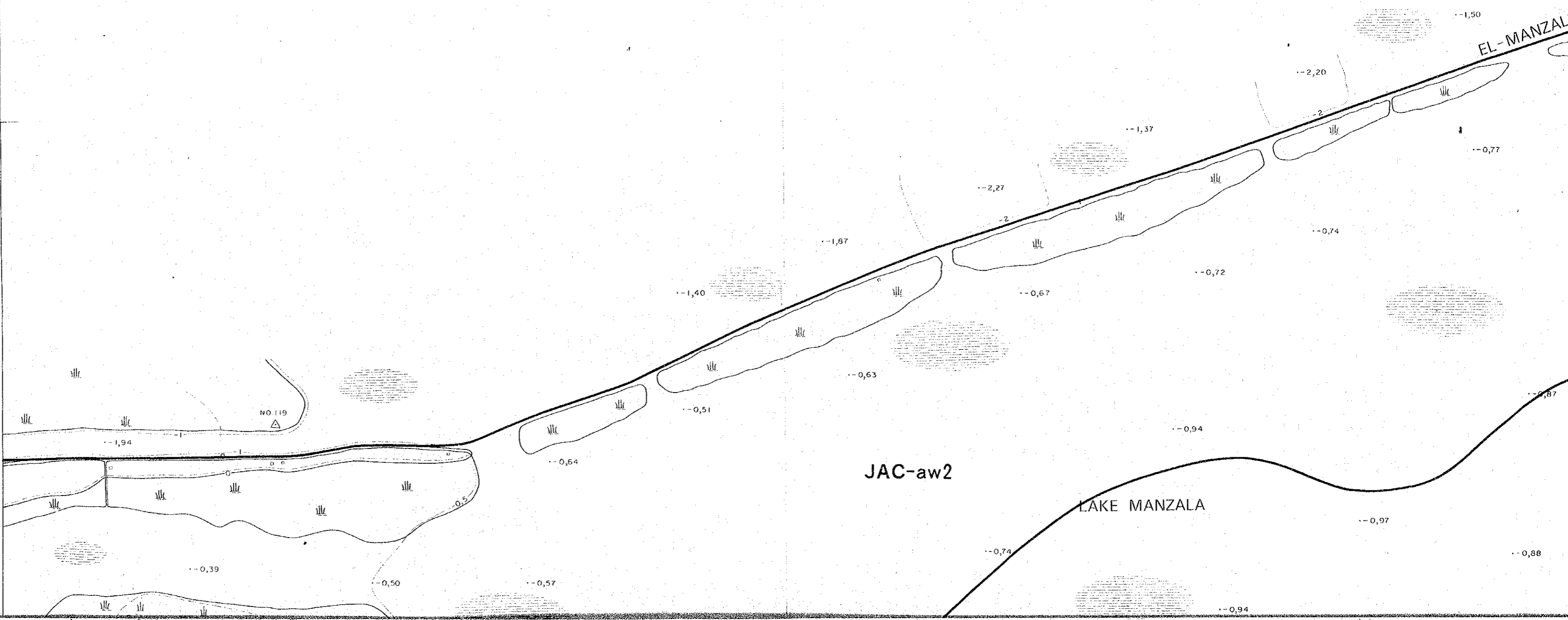
942 000

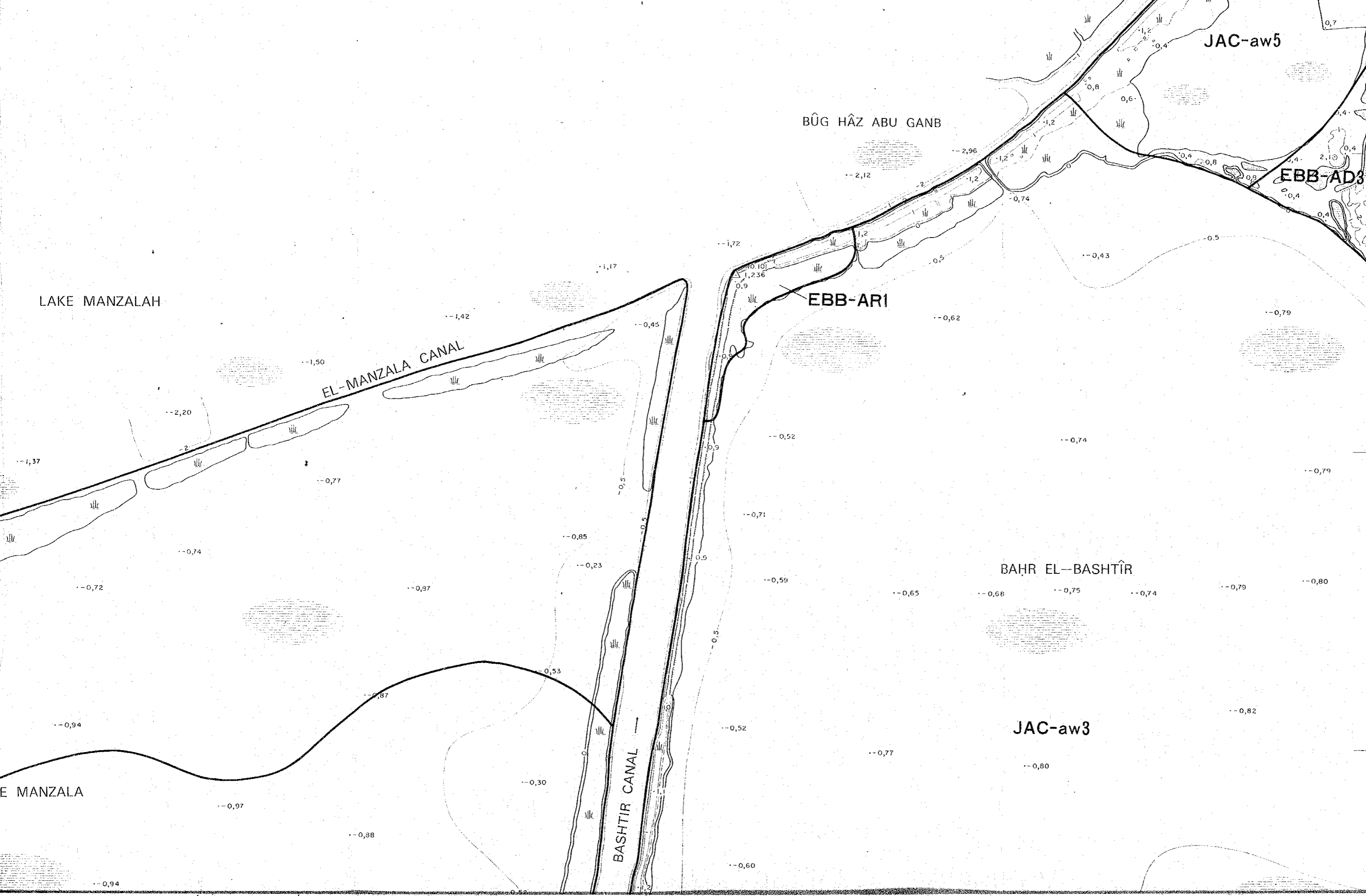
LAKE MANZALAH

EL-MANZALAH

JAC-aw2

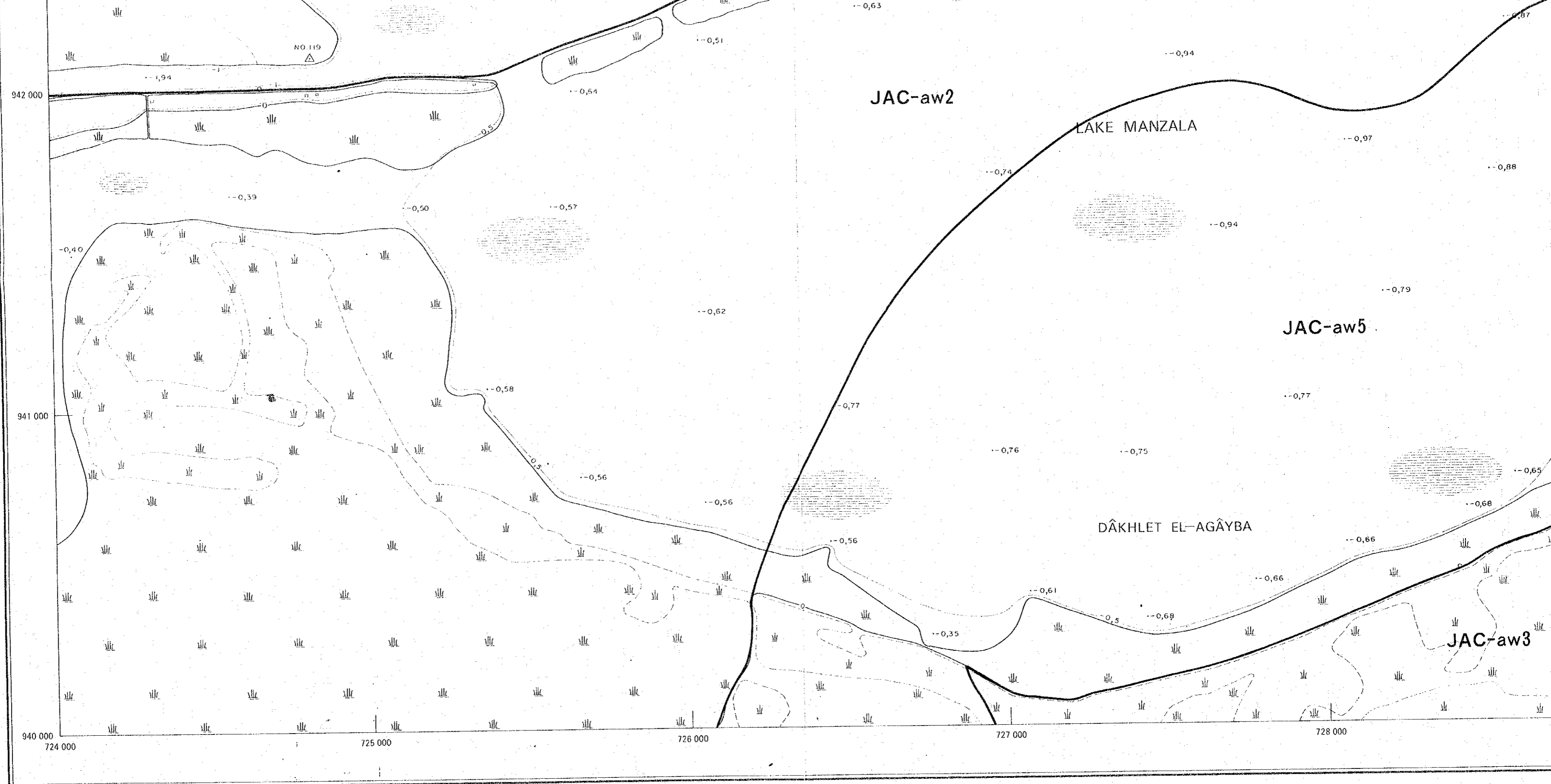
LAKE MANZALA





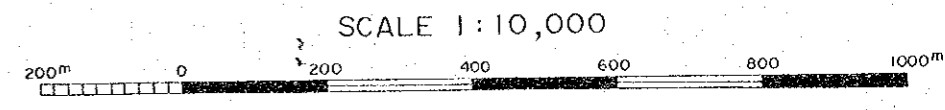
LEGEND

Hospital	C
Mosque	⊞
School	⊞
Cemetery	Y
Highway	====
Paved road	====
Unpaved road	====
Small road	-----
Track	- - - -
Bridge	====
Bank	
Levee	-----
Cultivation boundary	⬢
Marsh or swamp	
Waste area	
Lake	⬢
Private canal	⊞
Power line	—□—□—
Monument of traverse point and bench mark	△ NO.101 1,590
Monument of traverse point	△ NO.119
Temporary traverse point	▽ NO.119
Bench Mark	□ BM.4 1,631
Spot height	-0,4
Levelling height	-0,41
Contour	⬢

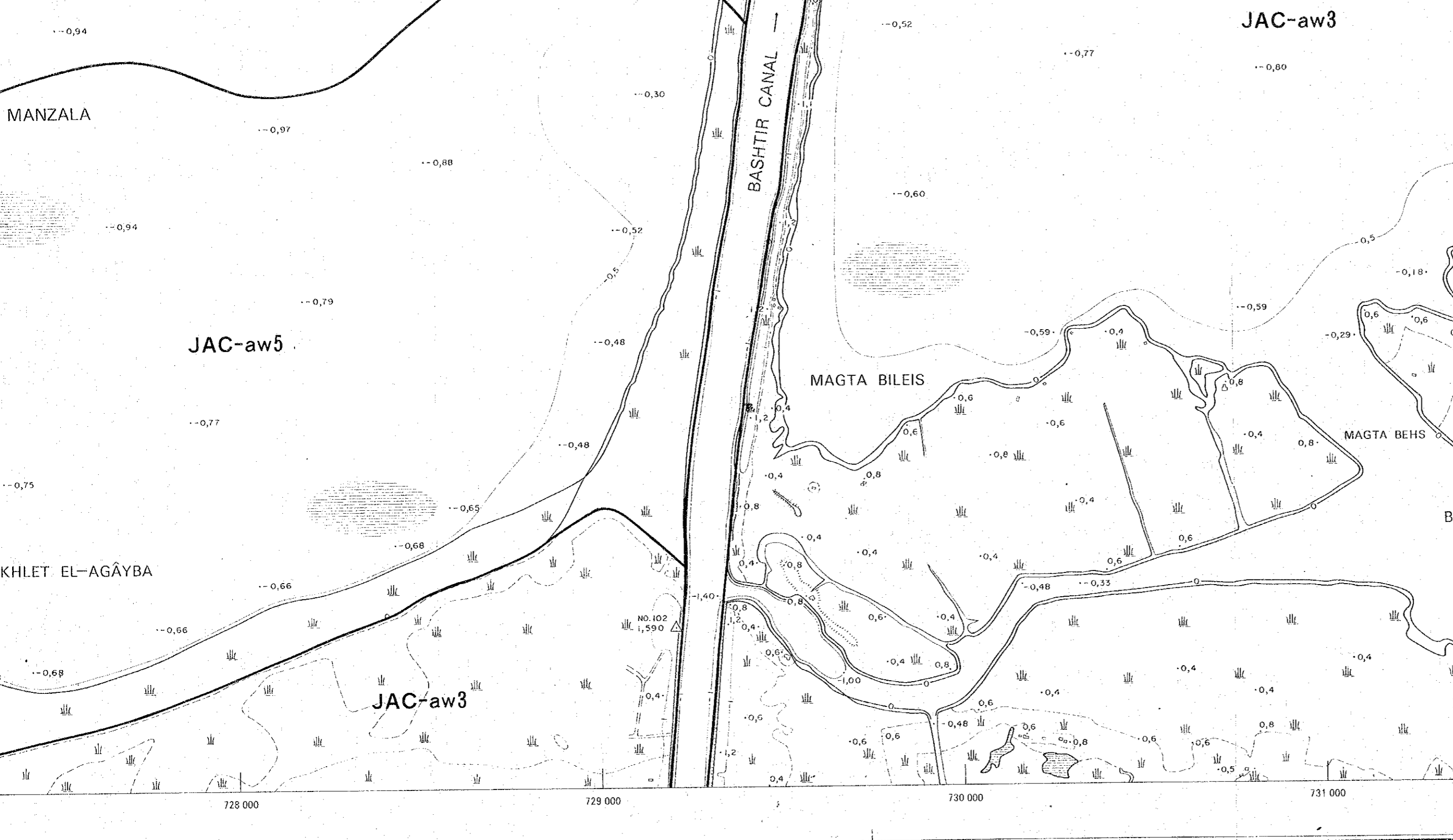


Projection : Transverse Mercator  
 Spheroid : Helmert 1906  
 Origin : 30° N (810.000mN) 31° E (615.000mE)  
 Grid Tables : Egypt Red Belt

Compiled by the field survey party of JICA (Japan International Cooperation Agency) in July 1983, with counterpart cooperation of GARPAD (General Authority for Rehabilitation Projects & Agricultural Development) and Survey Authority of Egypt





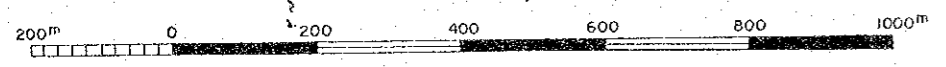


Levelling height 0,41  
 Contour

**SOIL MAP ( 3 )** 10725  
**LEGEND**

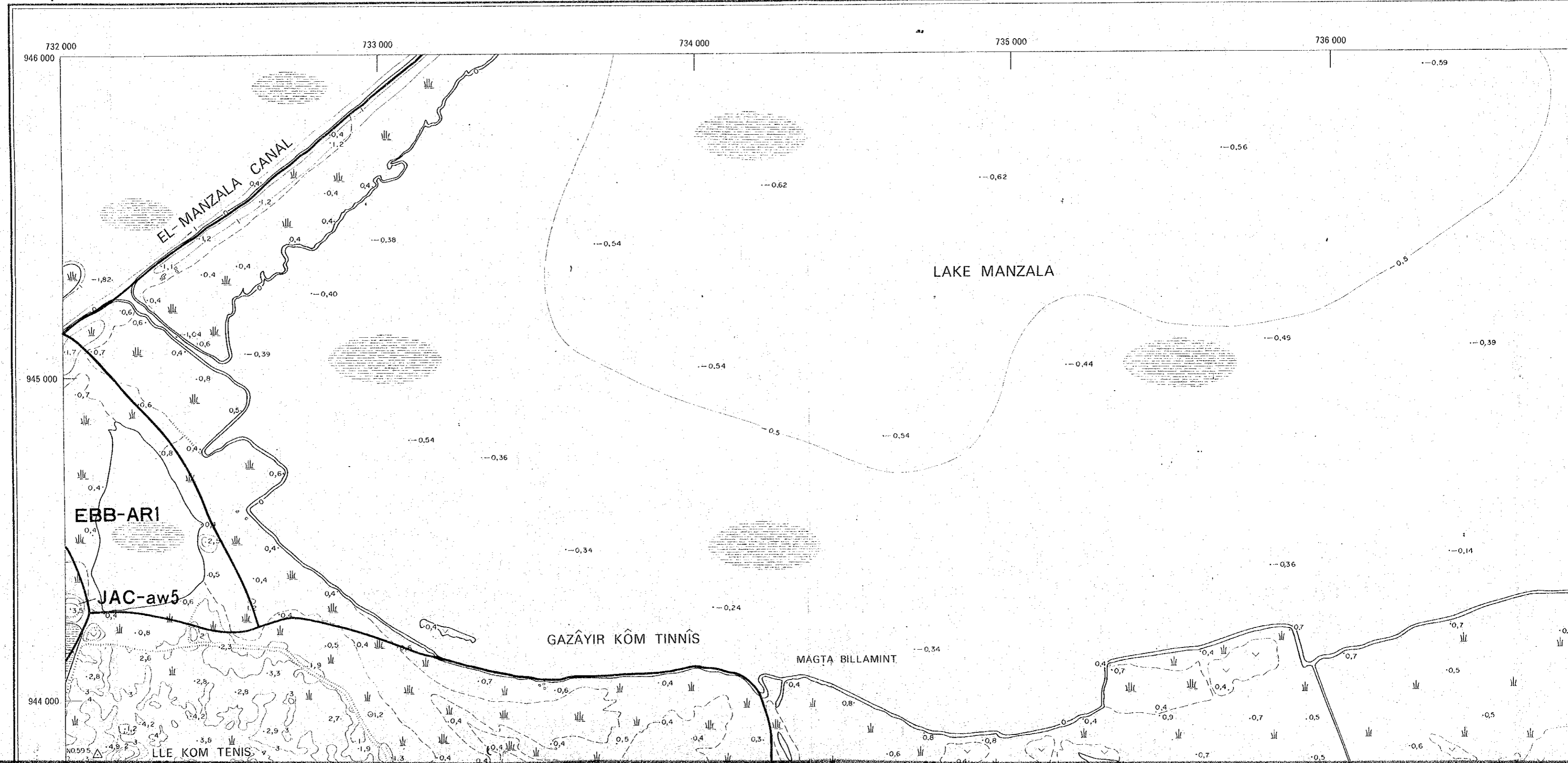
- INUNDATED AREA** Sulfic Hydroaquents
- Soil Family**
- JAC-aw1** Thermic, clayey, montomorillonitic, with hard clayey soils
  - JAC-aw2** Thermic, loamy soils
  - JAC-aw3** Thermic, loamy over clayey, soils
  - JAC-aw4** Thermic, clayey, montomorillonitic, subsoil brown soils
  - JAC-aw5** Thermic, clayey, montomorillonitic, with deep zone
- DRY LAND** Typic Salorthids
- Soil Family**
- EBA-AR1** Thermic, clayey, montomorillonitic, soils with very shallow reduced zone
  - EBA-AR2** Thermic, light clayey, montomorillonitic, soils with shallow reduced zone
  - EBA-AD1** Thermic, silty clayey, montomorillonitic, with moderately deep zone
  - EBA-AD2** Thermic, clayey, montomorillonitic, with deep zone
  - EBA-AD3** Thermic, silty clayey, montomorillonitic, soils with very deep zone
  - EBA-AD3H** Thermic, clayey over hard clay, montomorillonitic, soils with very deep zone

SCALE 1 : 10,000

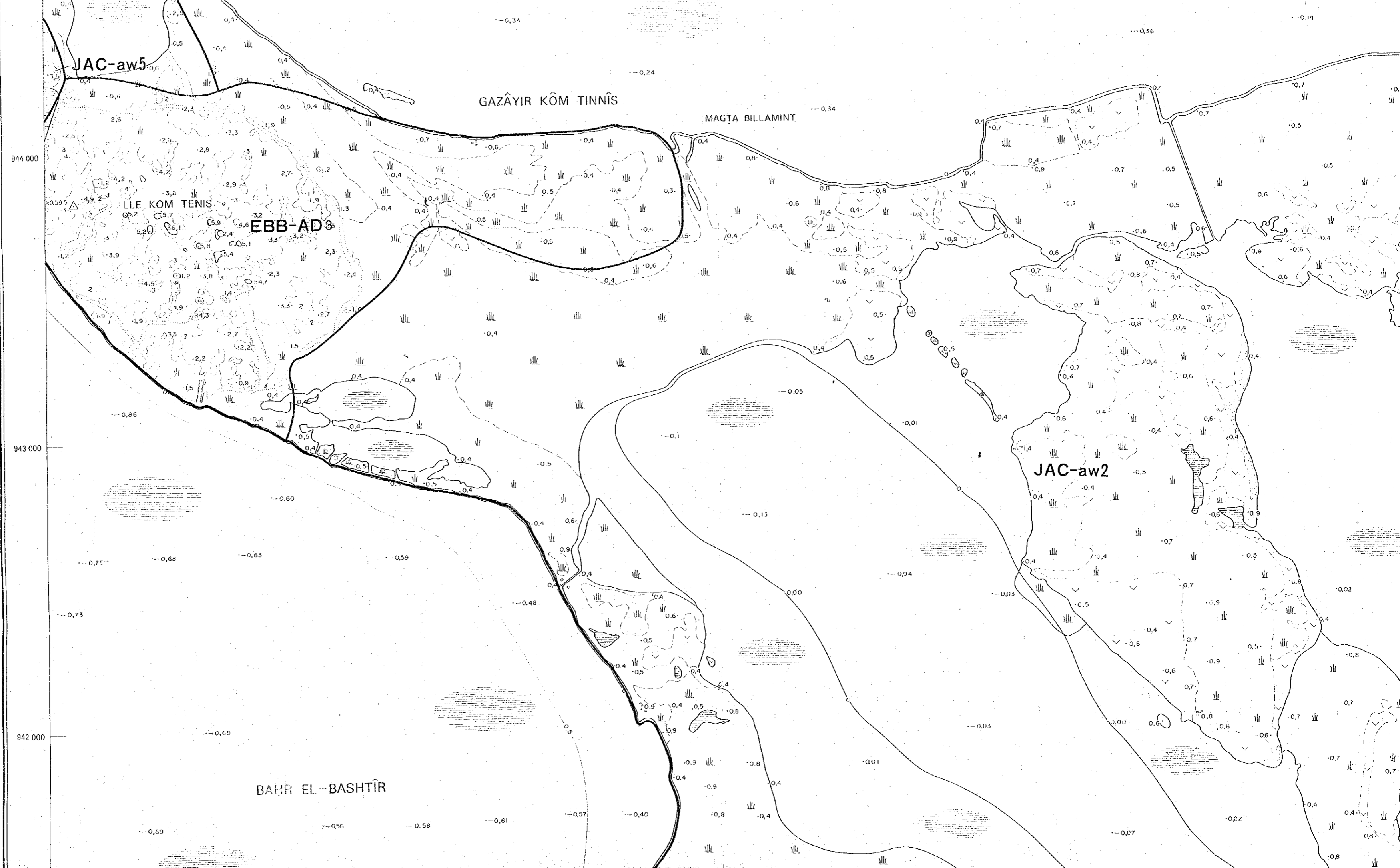


SHEET  $\frac{4}{16}$  EGYPT - SCALE 1:10,000

NORTH HUSSINIA & SOUTH







JAC-aw5

GAZÂYIR KÔM TINNÎS

MAGTA BILLAMINT

LLE KOM TENIS

EBB-AD3

JAC-aw2

BAHR EL-BASHTÏR

944 000

943 000

942 000

-0.69

-0.56

-0.58

-0.61

-0.57

-0.40

-0.8

-0.4

-0.07

-0.02

-0.4

-0.8

-0.73

-0.75

-0.68

-0.63

-0.59

-0.48

-0.13

-0.04

-0.03

-0.01

-0.05

-0.1

-0.60

-0.86

-0.34

-0.24

-0.34

-0.36

-0.14



Hospital	☾
Mosque	☼
School	⚡
Cemetery	⋈
Highway	====
Paved road	=====
Unpaved road	=====
Small road	-----
Track	-----
Bridge	-----
Bank	=====
Levee	-----
Cultivation boundary	-----
Marsh or swamp	=====
Waste area	=====
Lake	=====
Private canal	-----
Power line	-----
Monument of traverse point and bench mark	△ NO.101 1,590
Monument of traverse point	△ NO.119
Temporary traverse point	▽ NO.119
Bench Mark	⊠ BM.4 1,631
Spot height	· 0,4
Levelling height	· 0,41
Contour	=====

944 000

943 000

942 000

ROUTE 44

FISH FARM

JAC-aw2

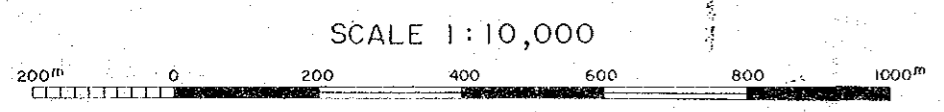




Spot height 0.4  
 Levelling height 0.41  
 Contour

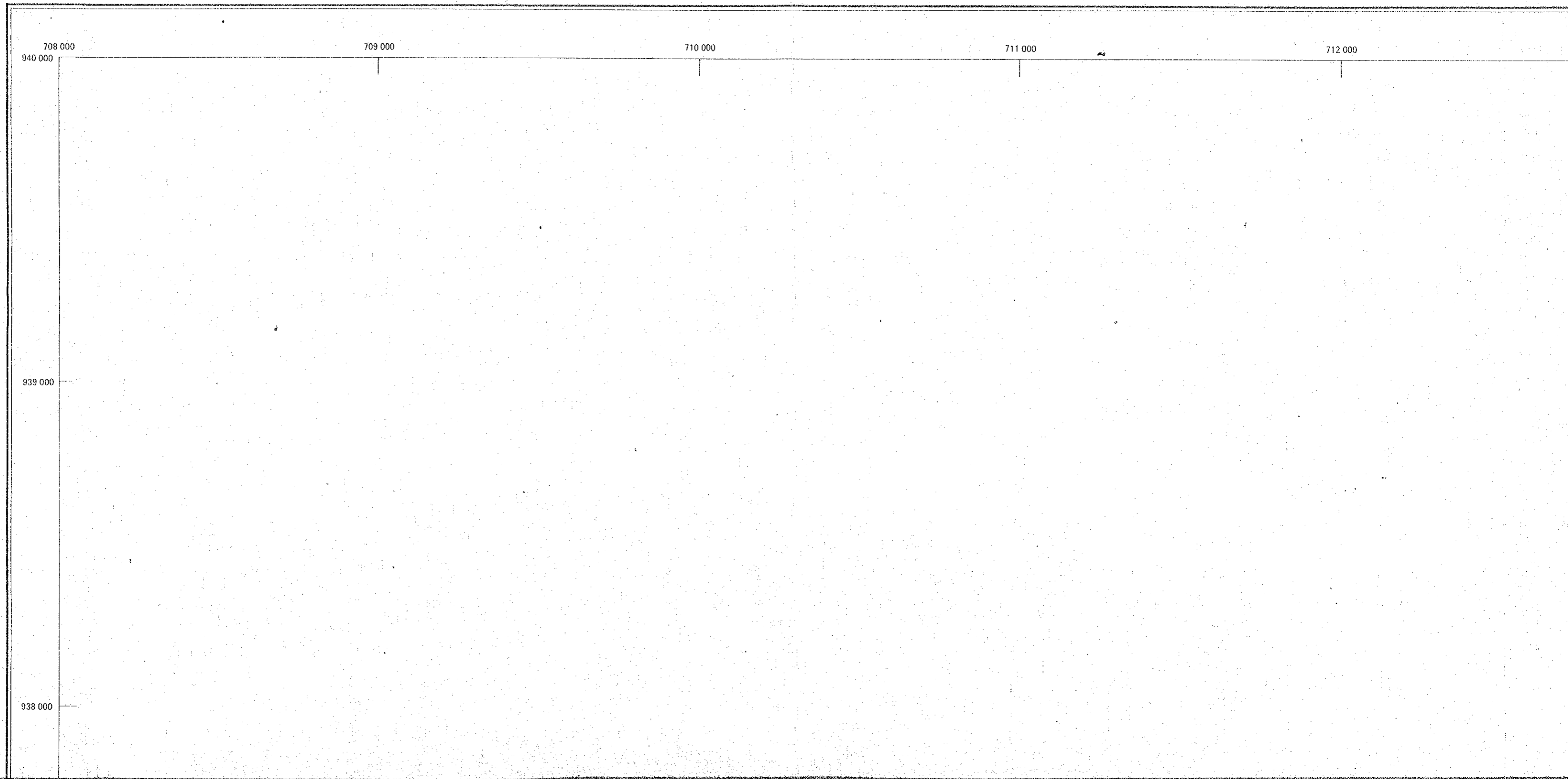
**SOIL MAP ( 4 ) 10725**  
**LEGEND**

- INUNDATED AREA Sulfic Hydroaquents**
- Soil Family
- JAC-aw1** Thermic, clayey, montomorillonitic, with hard clayey soils
  - JAC-aw2** Thermic, loamy soils
  - JAC-aw3** Thermic, loamy over clayey, soils
  - JAC-aw4** Thermic, clayey, montomorillonitic, subsoil brown soils
  - JAC-aw5** Thermic, clayey, montomorillonitic, with deep zone
- DRY LAND Typic Salorthids**
- Soil Family
- EBA-AR1** Thermic, clayey, montomorillonitic, soils with very shallow reduced zone
  - EBA-AR2** Thermic, light clayey, montomorillonitic, soils with shallow reduced zone
  - EBA-AD1** Thermic, silty clayey, montomorillonitic, with moderately deep zone
  - EBA-AD2** Thermic, clayey, montomorillonitic, with deep zone
  - EBA-AD3** Thermic, silty clayey, montomorillonitic, soils with very deep zone
  - EBA-AD3H** Thermic, clayey over hard clay, montomorillonitic, soils with very deep zone



SHEET  $\frac{5}{16}$  EGYPT - SCALE 1:10,000

NORTH HUSSINIA & SOUT





# HUSSINIA & SOUTH PORT SAID

712 000

713 000

714 000





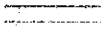
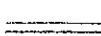
715 000

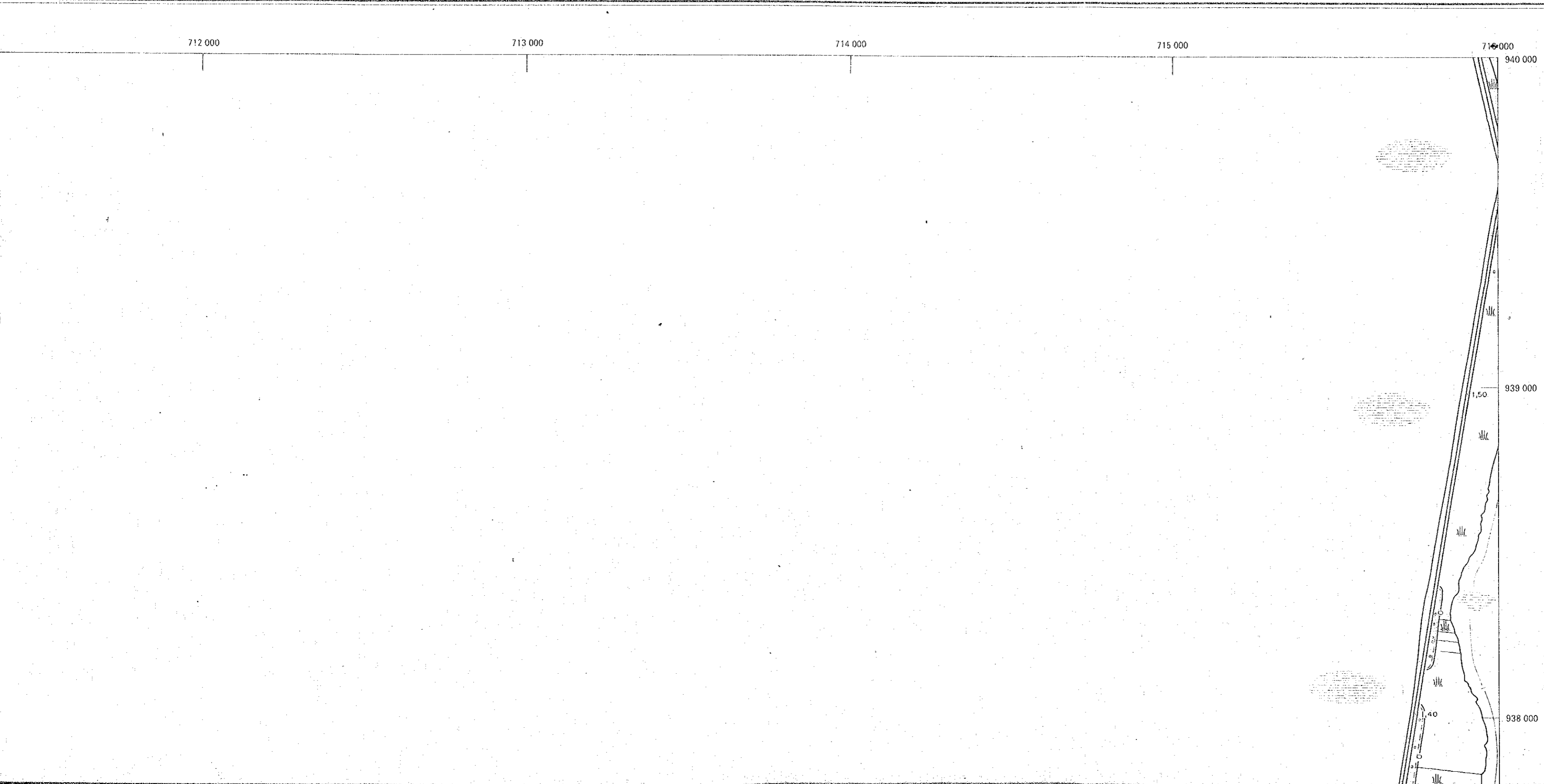
716 000

940 000

16-1	16-2	16-3	16-4
16-5	16-6	16-7	16-8
16-9	16-10	16-11	16-12
16-13	16-14	16-15	16-16

## LEGEND

- Hospital 
- Mosque 
- School 
- Cemetery 
- Highway 
- Paved road 



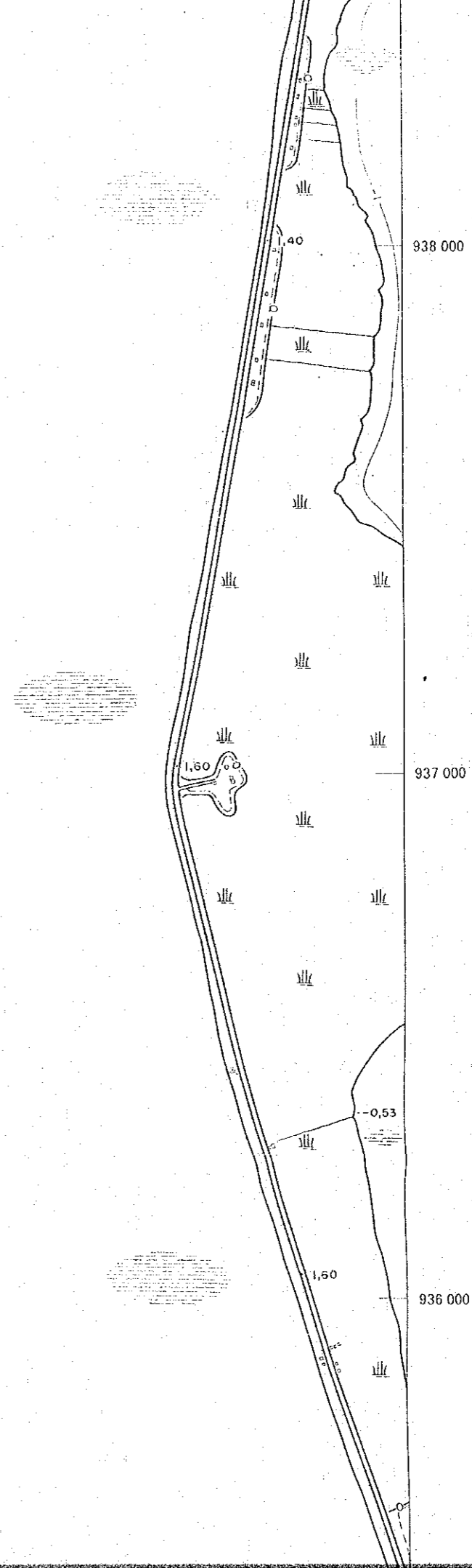
938 000

937 000

936 000

LEGEND

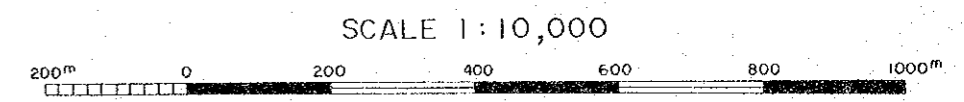
Hospital	C
Mosque	☞
School	▶
Cemetery	Y
Highway	====
Paved road	=====
Unpaved road	=====
Small road	=====
Track	-----
Bridge	-----
Bank	
Levee	-----
Cultivation boundary	⬢
Marsh or swamp	
Waste area	
Lake	⬢
Private canal	└┘
Power line	—□—□—
Monument of traverse point and bench mark	△ NO.101 1,590
Monument of traverse point	△ NO.119
Temporary traverse point	▽ NO.119
Bench Mark	□ BM.4 1,631
Spot height	-0,4
Levelling height	-0,41
Contour	~0~

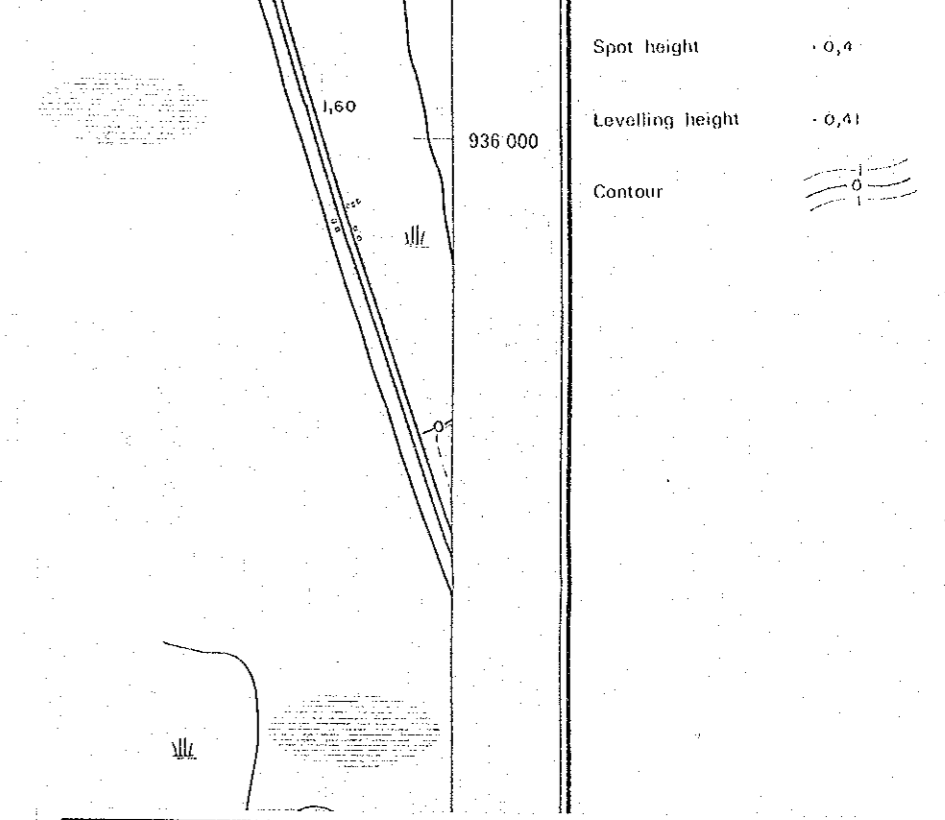




Projection : Transverse Mercator  
Spheroid : Helmert 1906  
Origin : 30° N (810.000mN) 31° E (615.000mE)  
Grid Tables : Egypt Red Belt

Compiled by the field survey party of JICA (Japan International Cooperation Agency) in July 1983, with counterpart cooperation of GARPAD (General Authority for Rehabilitation Projects & Agricultural Development) and Survey Authority of Egypt





**SOIL MAP ( 5 ) 10725**  
**LEGEND**

**INUNDATED AREA Sulfic Hydroaquents**

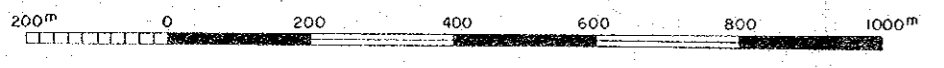
- Soil Family
- JAC-aw1** Thermic, clayey, montomorillonitic, with hard clayey soils
  - JAC-aw2** Thermic, loamy soils
  - JAC-aw3** Thermic, loamy over clayey, soils
  - JAC-aw4** Thermic, clayey, montomorillonitic, subsoil brown soils
  - JAC-aw5** Thermic, clayey, montomorillonitic, with deep zone

**DRY LAND Typic Salorthids**

- Soil Family
- EBA-AR1** Thermic, clayey, montomorillonitic, soils with very shallow reduced zone
  - EBA-AR2** Thermic, light clayey, montomorillonitic, soils with shallow reduced zone
  - EBA-AD1** Thermic, silty clayey, montomorillonitic, with moderately deep zone
  - EBA-AD2** Thermic, clayey, montomorillonitic, with deep zone
  - EBA-AD3** Thermic, silty clayey, montomorillonitic, soils with very deep zone
  - EBA-AD3H** Thermic, clayey over hard clay, montomorillonitic, soils with very deep zone

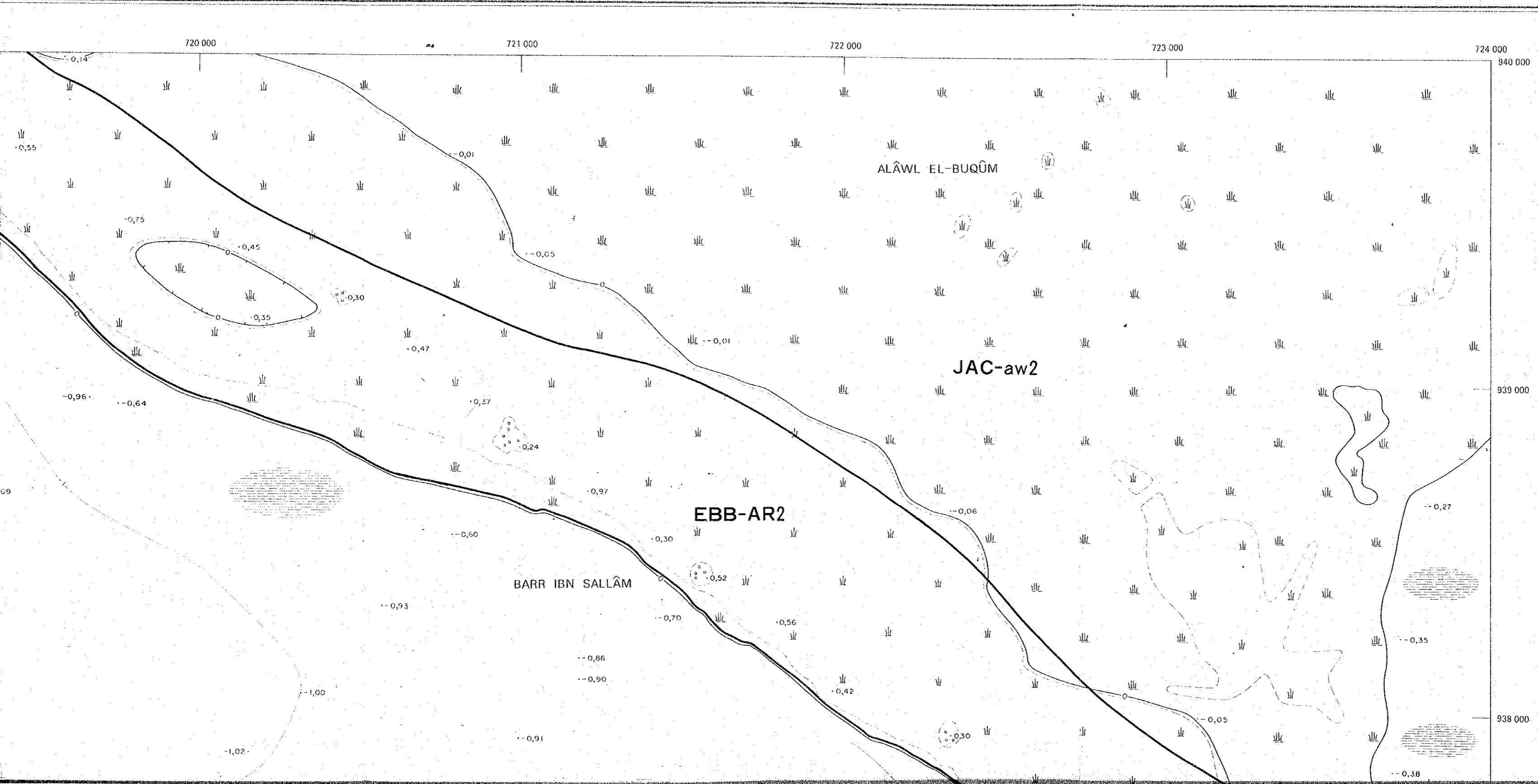
712 000 713 000 714 000 715 000

SCALE 1 : 10,000





# HUSSINIA & SOUTH PORT SAID



16-1	16-2	16-3	16-4
16-5	16-6	16-7	16-8
16-9	16-10	16-11	16-12
16-13	16-14	16-15	16-16

## LEGEND

- Hospital
- Mosque
- School
- Cemetery
- Highway
- Paved road

938 000

937 000

936 000

-1,14

-1,19

-1,08

-1,18

-0,93

-1,07

-1,13

-1,00

-1,19

-1,18

-1,00  
-1,03

-1,02

-1,05

-1,15

-1,09

-0,99

-0,94

-0,97

-1,15

-1,10

-0,92

-1,04

-0,93

-1,06

-1,00

-0,98

-1,00

-0,69

-0,98

-0,95

-1,03

-0,89

-0,97  
-0,94

LAKE MANZALA

-0,88

-0,74

-1,02

-0,86

-0,94

-0,81

-0,98

-0,98

JAC-aw1

-0,85

-0,99

-0,95

-0,75

-0,79

-0,98

-0,73

-0,74

-0,80

-0,84

-1,16

-0,68

-0,75

-0,88

-0,85

-1,09

-0,33





