

No. 53

THE ARAB REPUBLIC OF EGYPT
MINISTRY OF DEVELOPMENT, HOUSING AND LAND RECLAMATION
GENERAL AUTHORITY FOR REHABILITATION
PROJECTS AND AGRICULTURAL DEVELOPMENT

FEASIBILITY STUDY
ON
THE NORTH HUSSINIA VALLEY & SOUTH PORT SAID
AGRICULTURAL DEVELOPMENT PROJECT

JUNE 1984

JAPAN INTERNATIONAL COOPERATION AGENCY

AFT
84-44

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 2. SOIL MAP (No. 1 - 16)
 3. LAND CAPABILITY CLASSIFICATION MAP (No. 1 - 16)
-

JICA LIBRARY

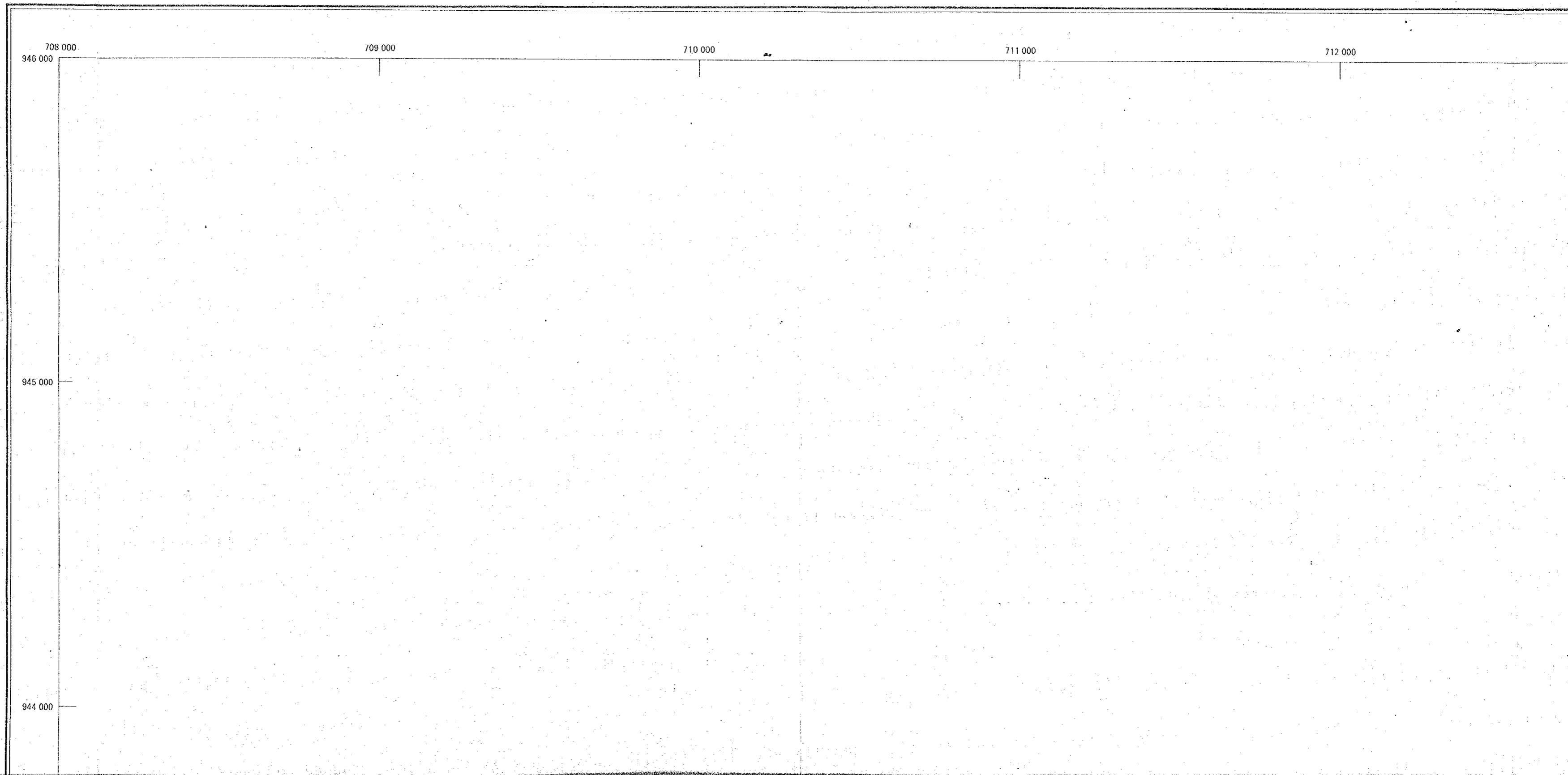


1029467[6]

国際協力事業団	
受入 月日 '84. 9. 25	405
登録No. 10725	80.7
	AFT

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

NORTH HUSSINIA & SOUT



HUSSINIA & 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 
- Mosque 
- School 
- Cemetery 
- Highway 
- Paved road 

944 000

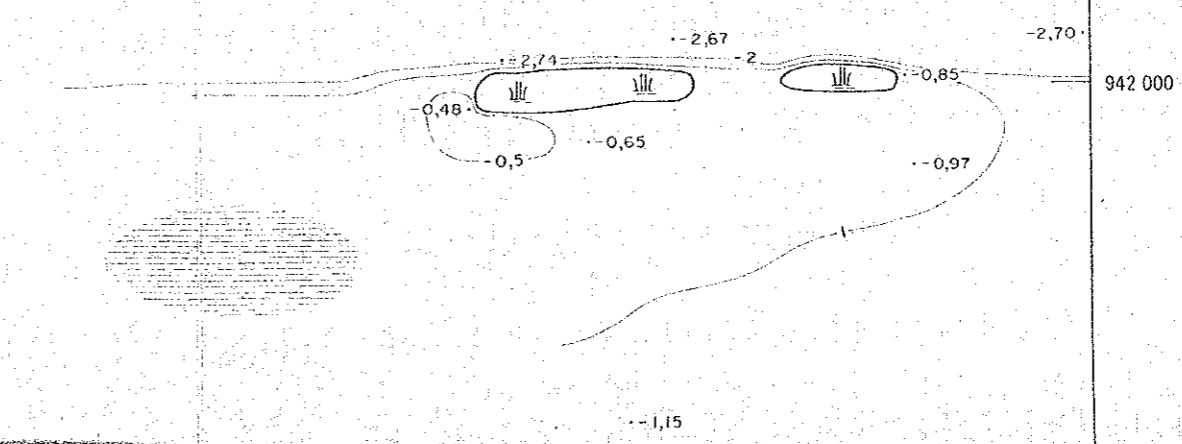
943 000

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 1,590
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	⌒

EL-MANZALA CANAL



942 000
941 000
940 000

708 000

709 000

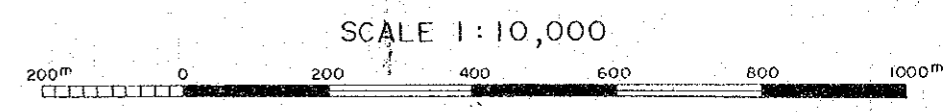
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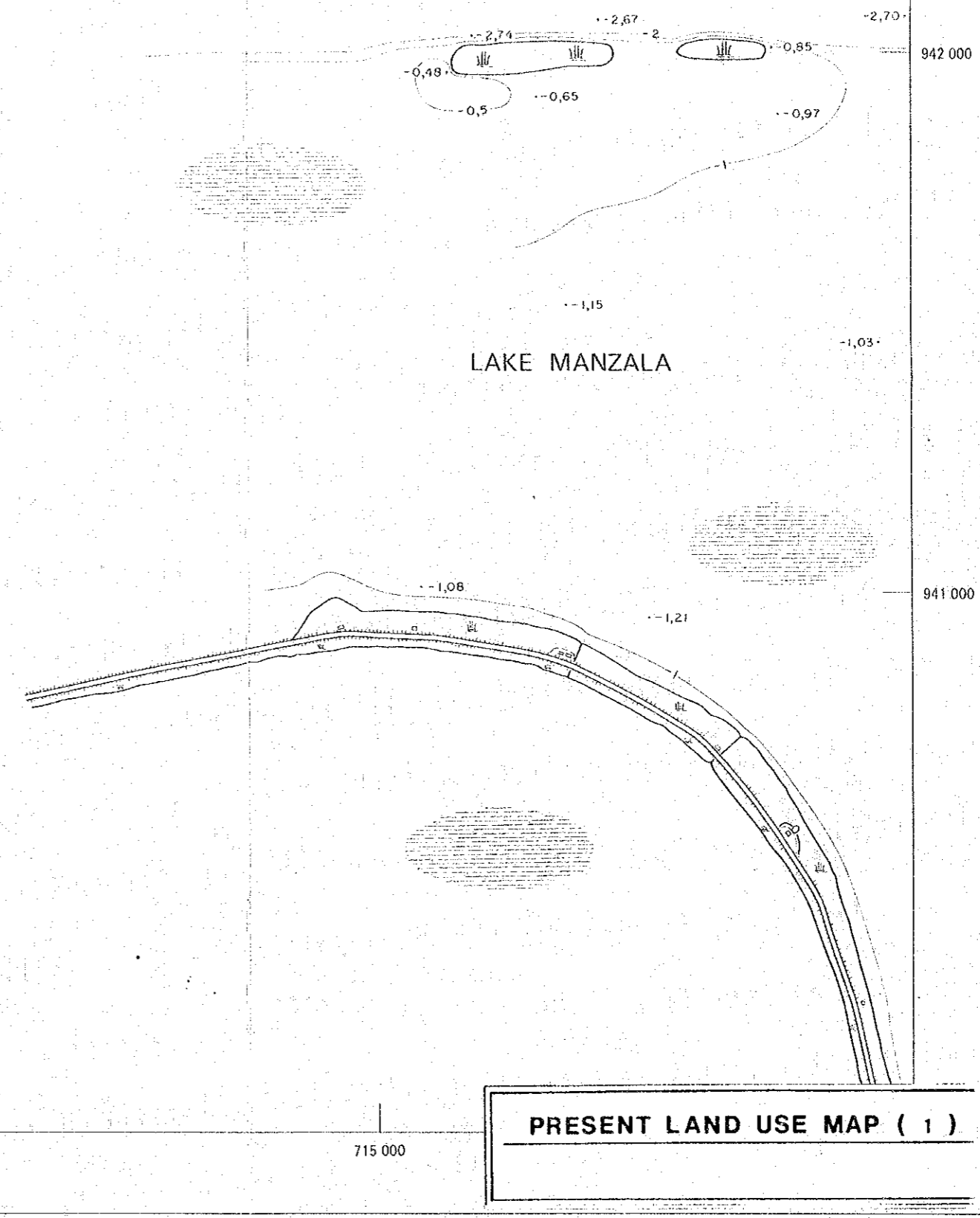
711 000

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



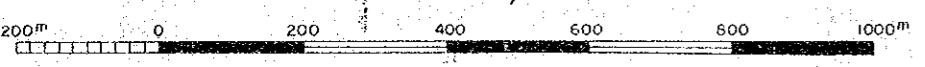


Spot height
 Levelling height -0.41
 Contour

712 000 713 000 714 000 715 000

PRESENT LAND USE MAP (1)

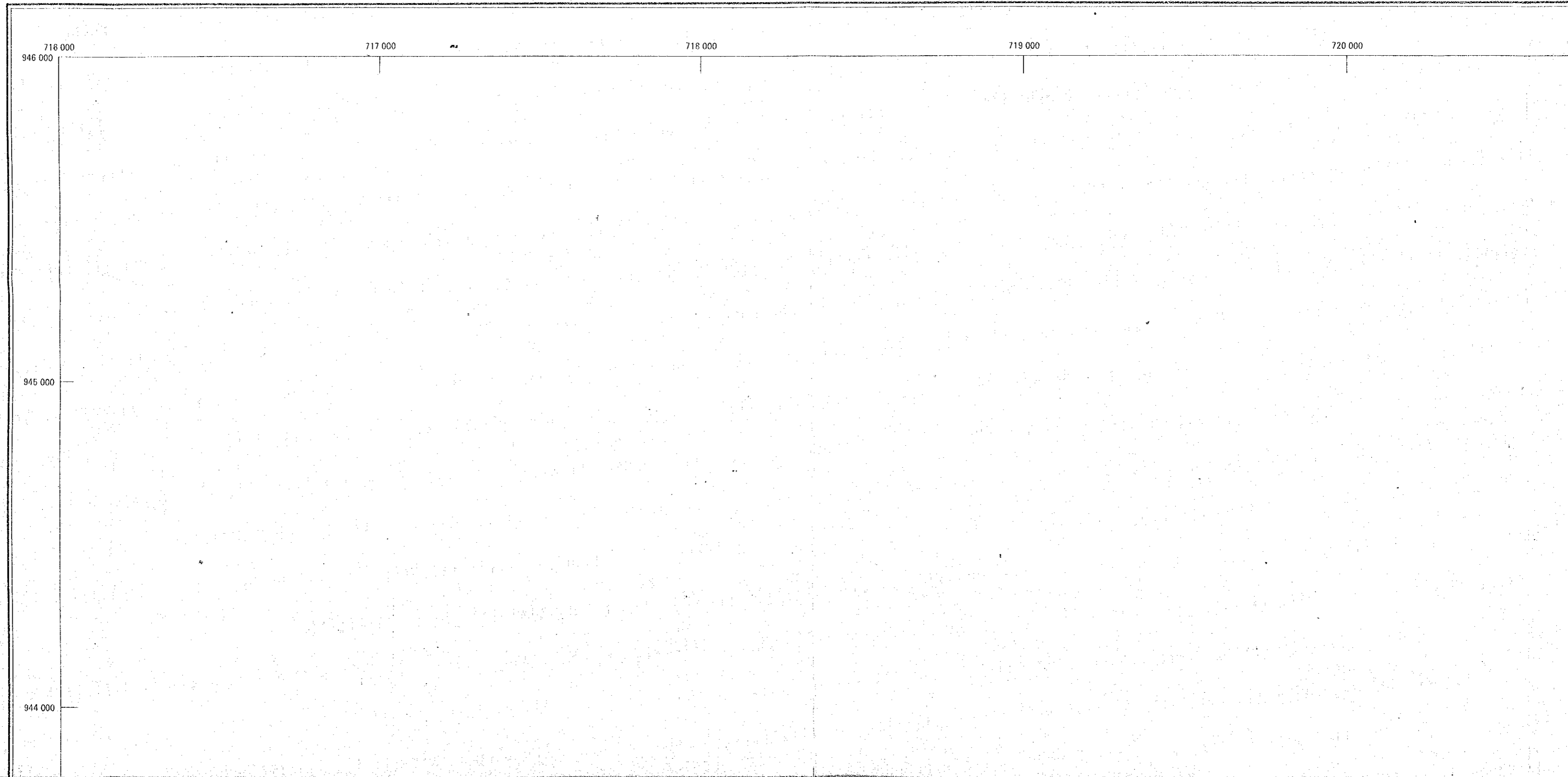
SCALE 1 : 10,000



10725

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

NORTH HUSSINIA & SOUT



RUSSINIA & 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

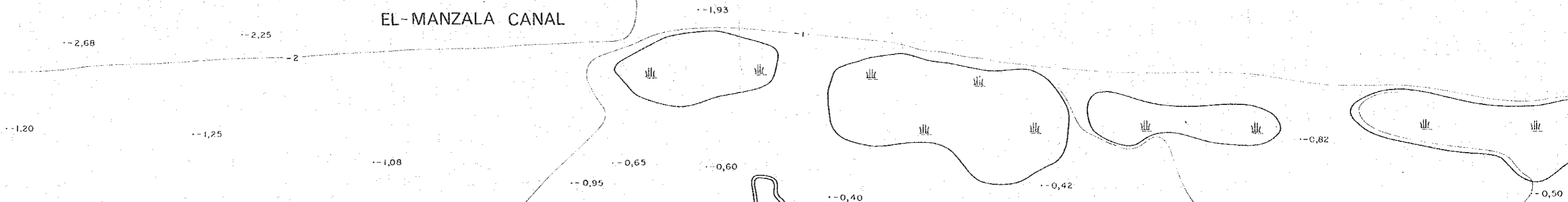
- Hospital 
- Mosque 
- School 
- Cemetery 
- Highway 
- Paved road 

944 000





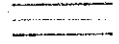
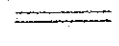
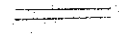
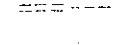
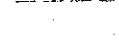
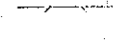







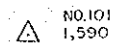







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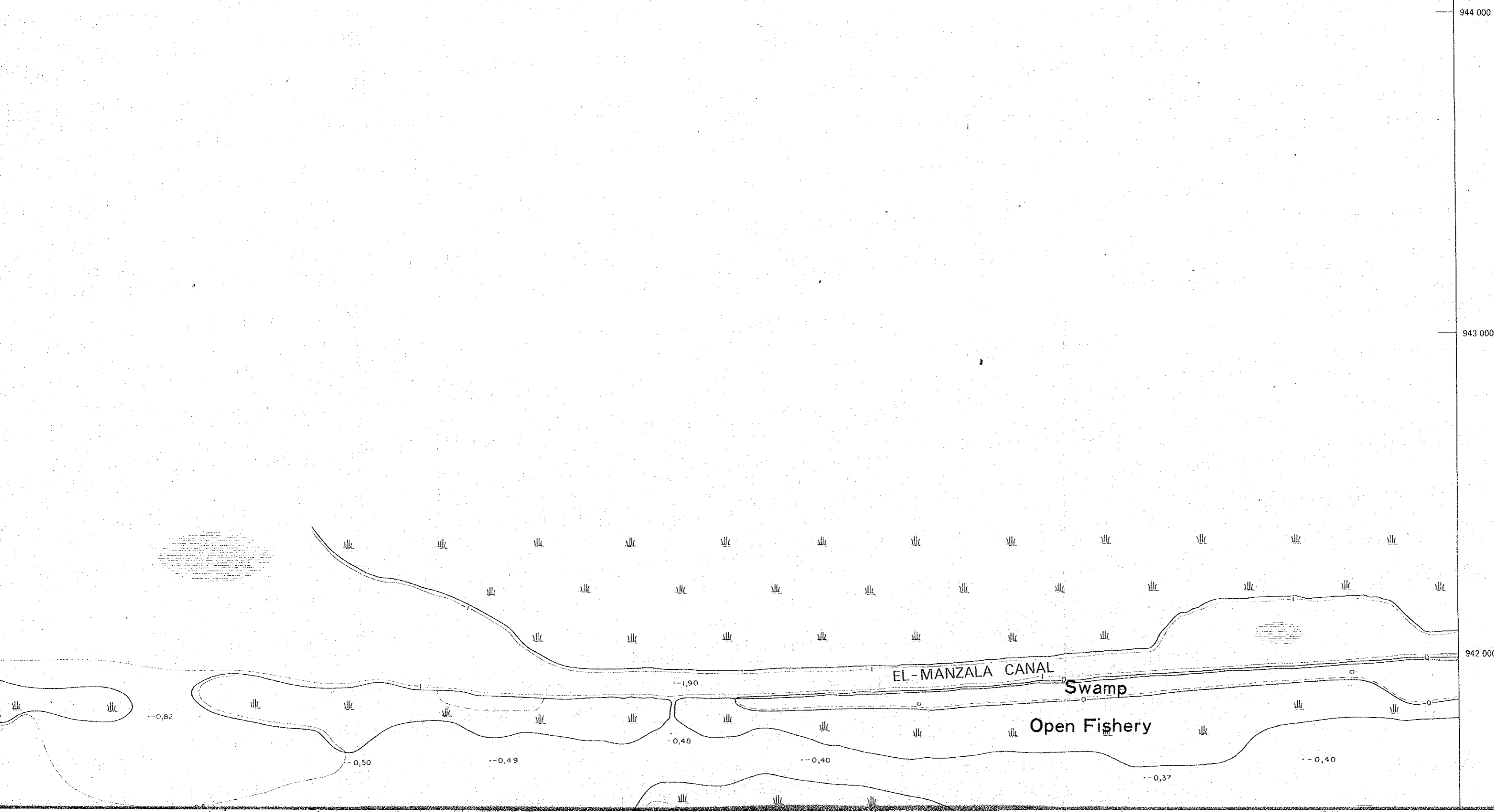
942 000

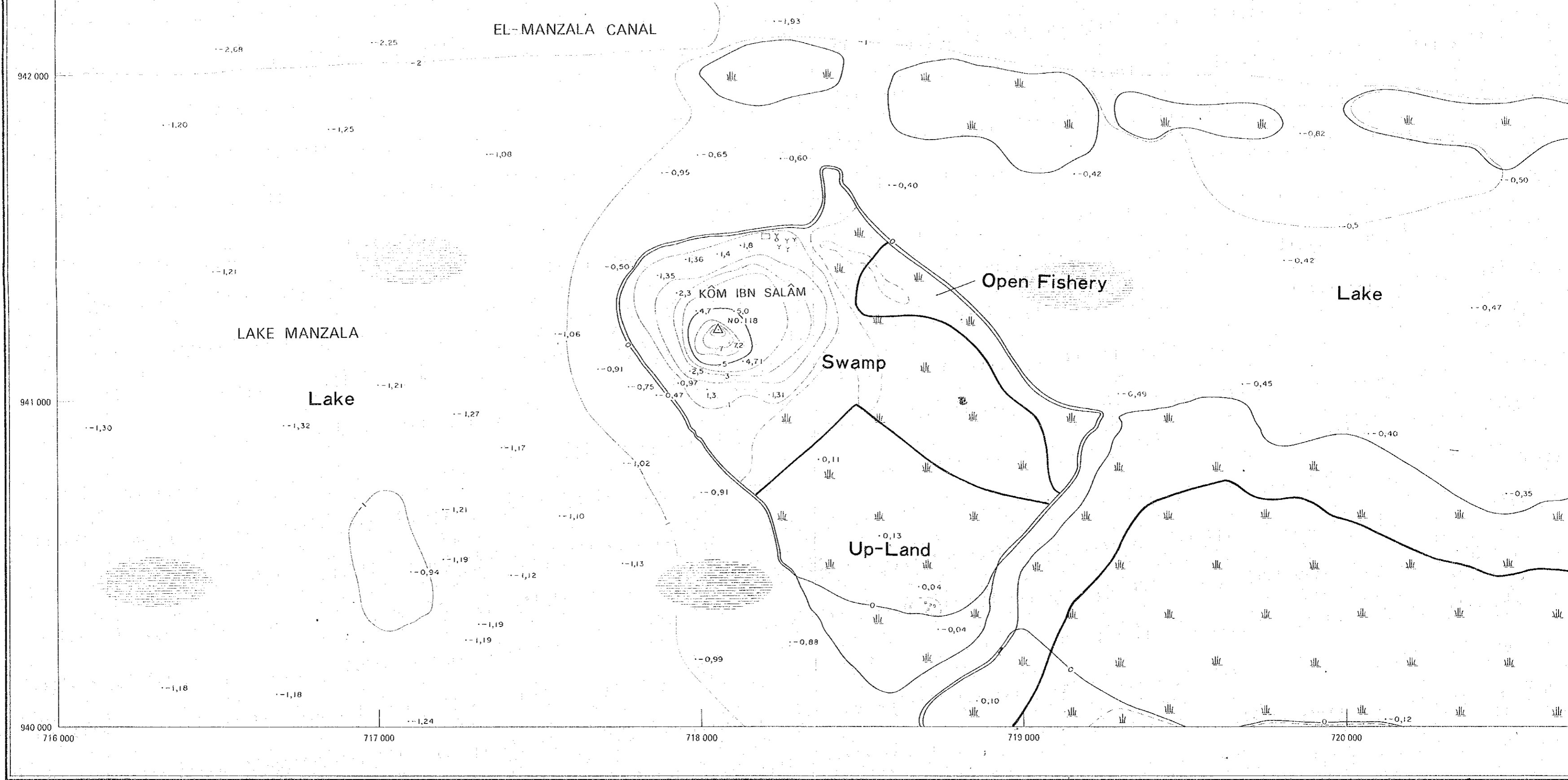
EL-MANZALA CANAL



LEGEND

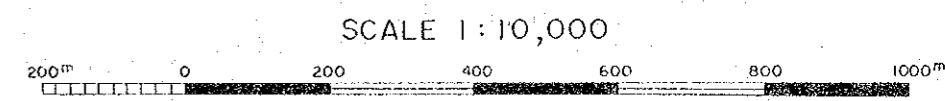
- Hospital 
- Mosque 
- School 
- Cemetery 
- Highway 
- Paved road 
- Unpaved road 
- Small road 
- Track 
- Bridge 
- Bank 
- Levee 
- Cultivation boundary 
- Marsh or swamp 
- Waste area 
- Lake 
- Private canal 
- Power line 
- Monument of traverse point and bench mark  NO.101
1,590
- Monument of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

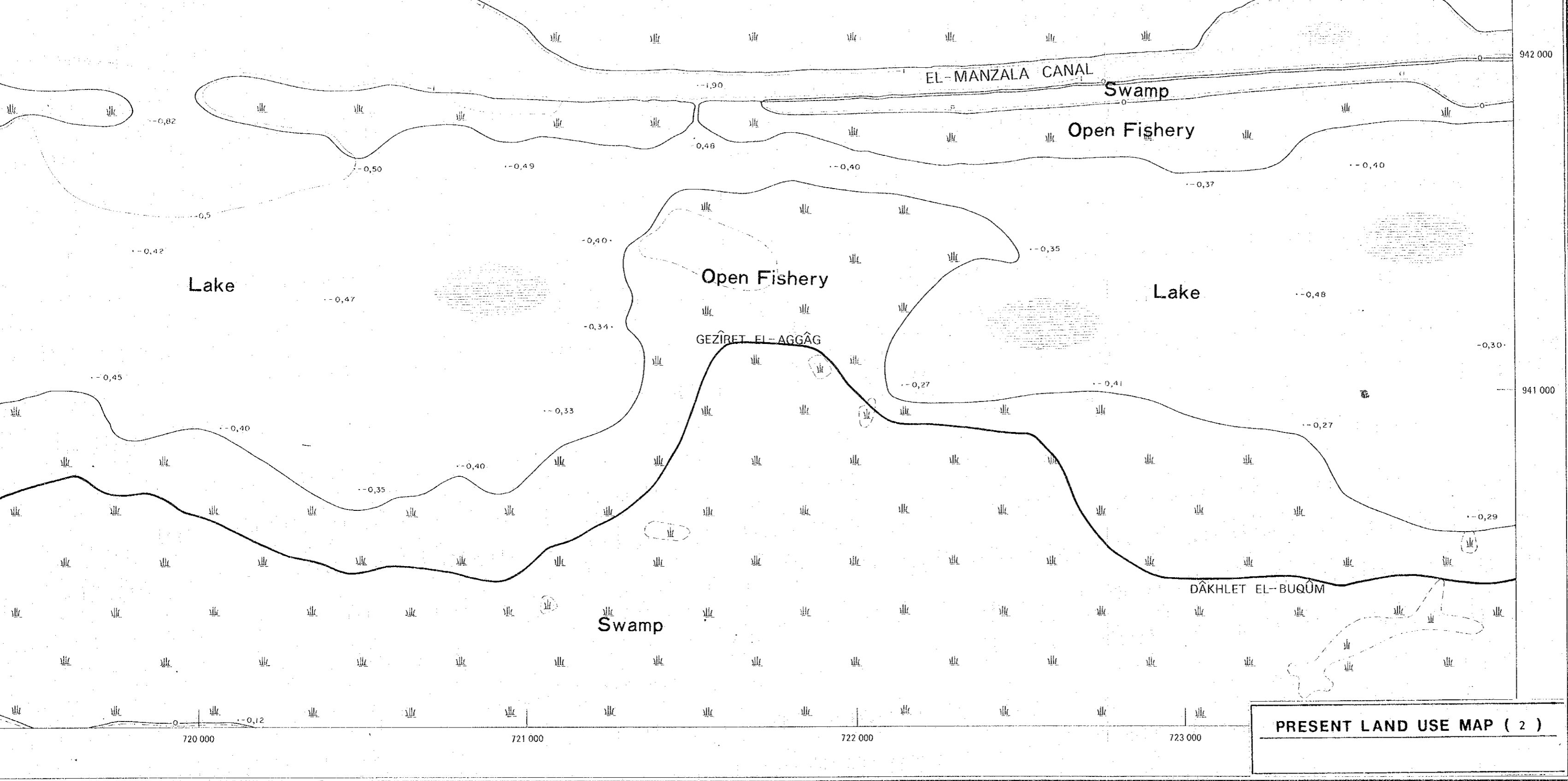




Projection : Transverse Mercator
 Spheroid : Helmert 1906
 Origin : 30° N (810.000mN) 31° E (615.000mE)
 Grid Tables : Egypt Red Belt

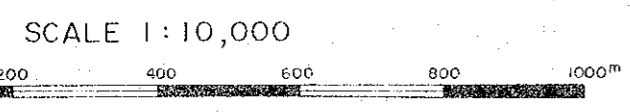
Compiled by the field survey party of JICA (Japan International Cooperation Agency) in July 1983, with counterpart cooperation of GARPAD (General Authority for Rehabilitation Projects & Agricultural Development) and Survey Authority of Egypt





Spot height -0.4
 Levelling height -0.41
 Contour

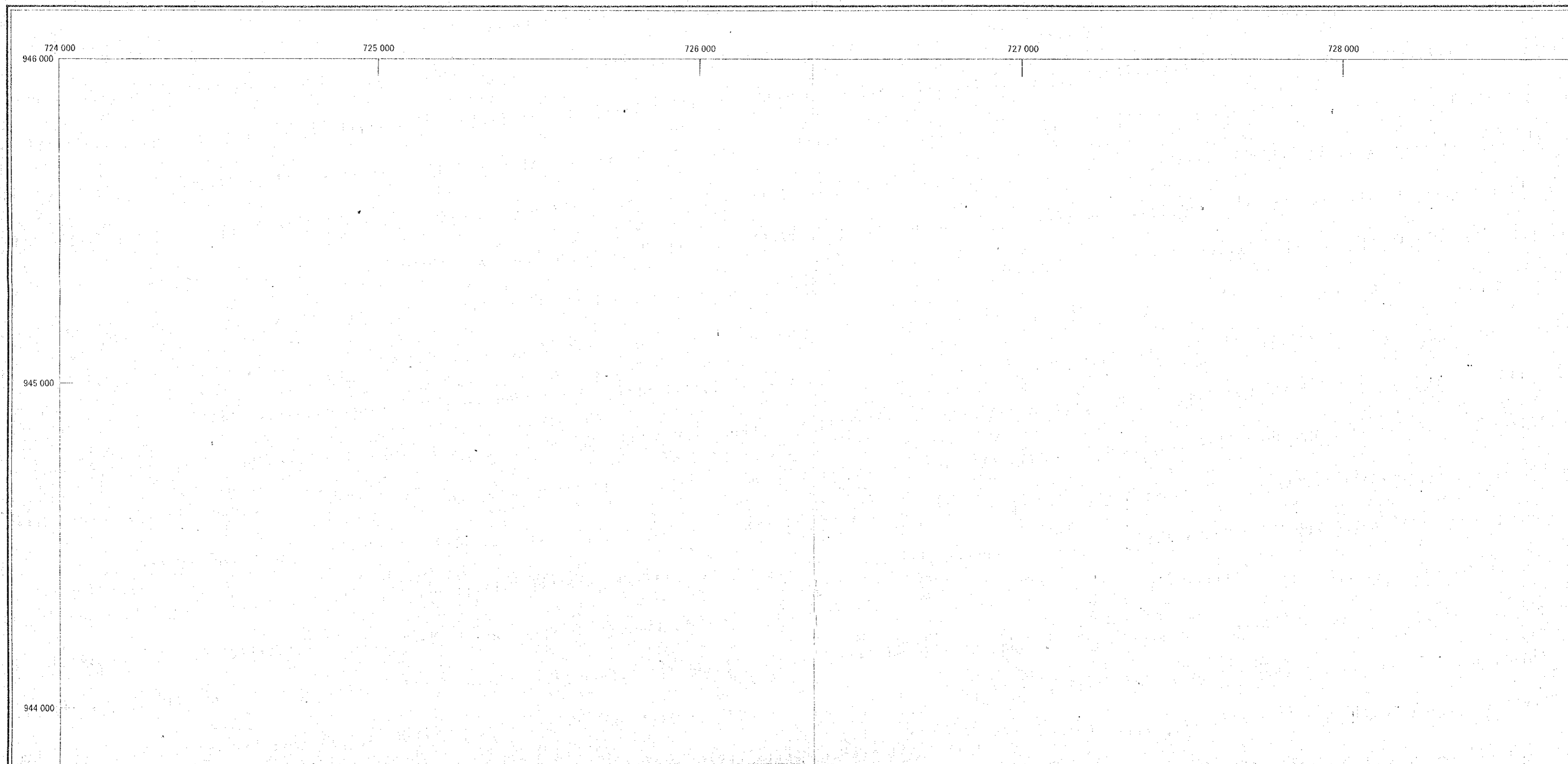
PRESENT LAND USE MAP (2)



10725

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

NORTH HUSSINIA & SOUT



RUSSINIA & SOUTH PORT SAID

728 000

729 000

730 000

731 000

732 000

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







BÛG HÂZ ABU GANB

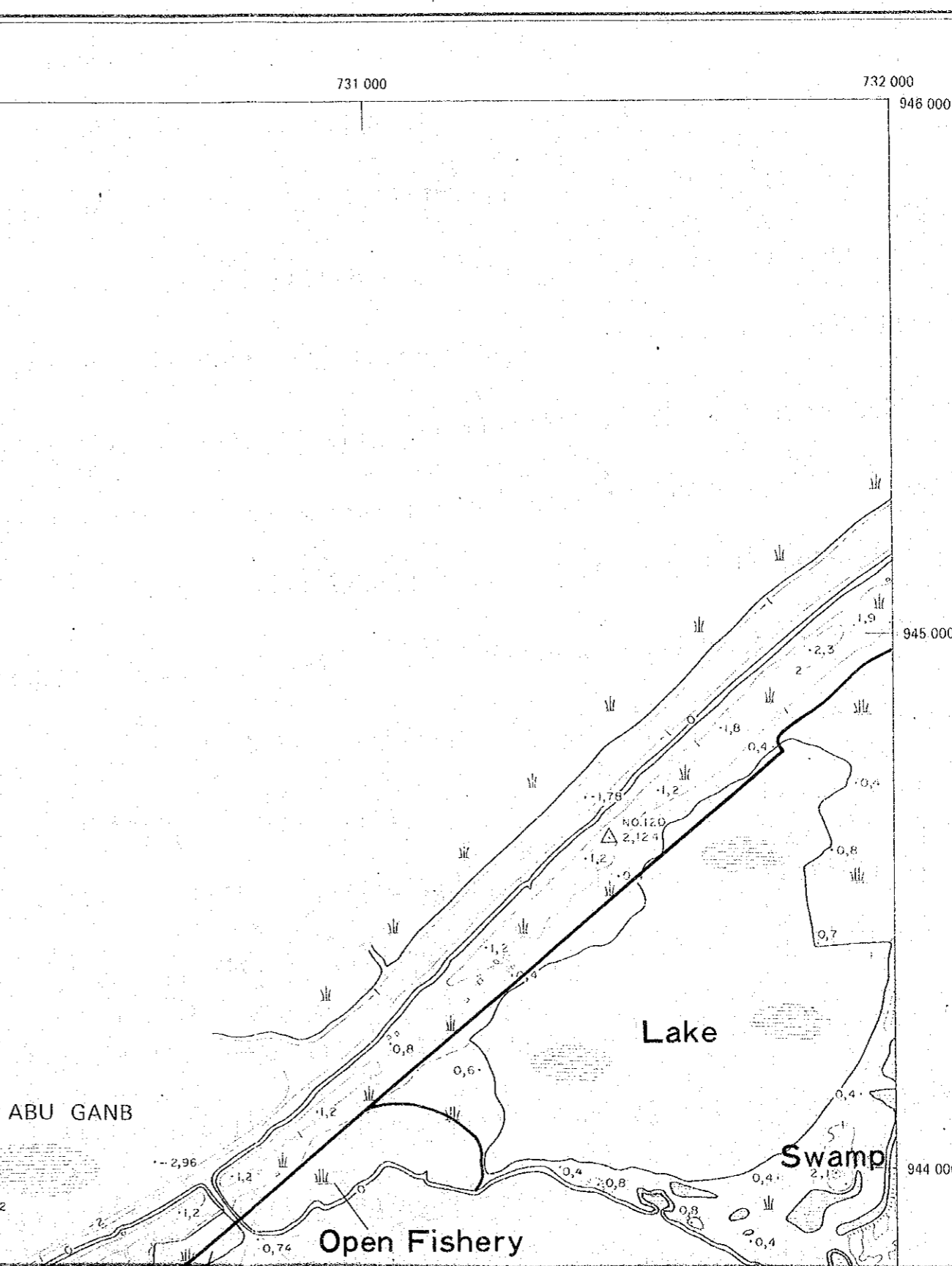
Lake

Swamp

Open Fishery

LEGEND

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



944 000

943 000

942 000

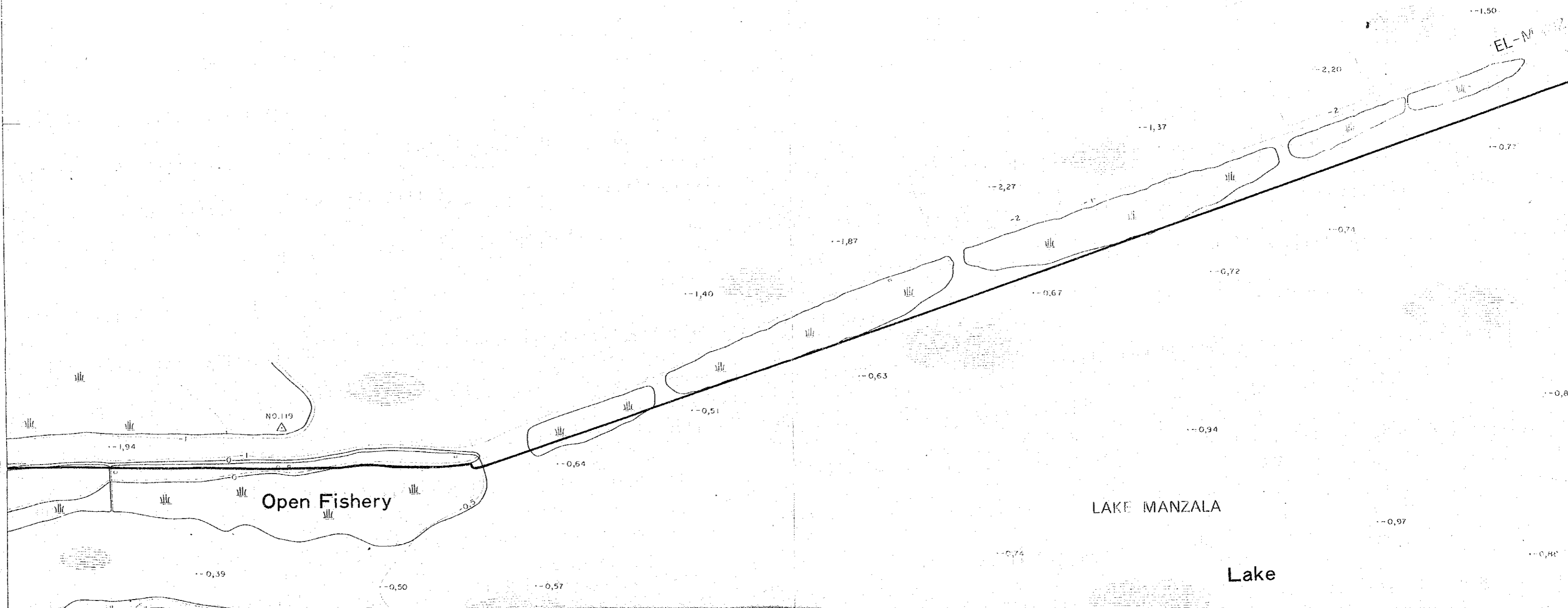
LAKE MANZALAH

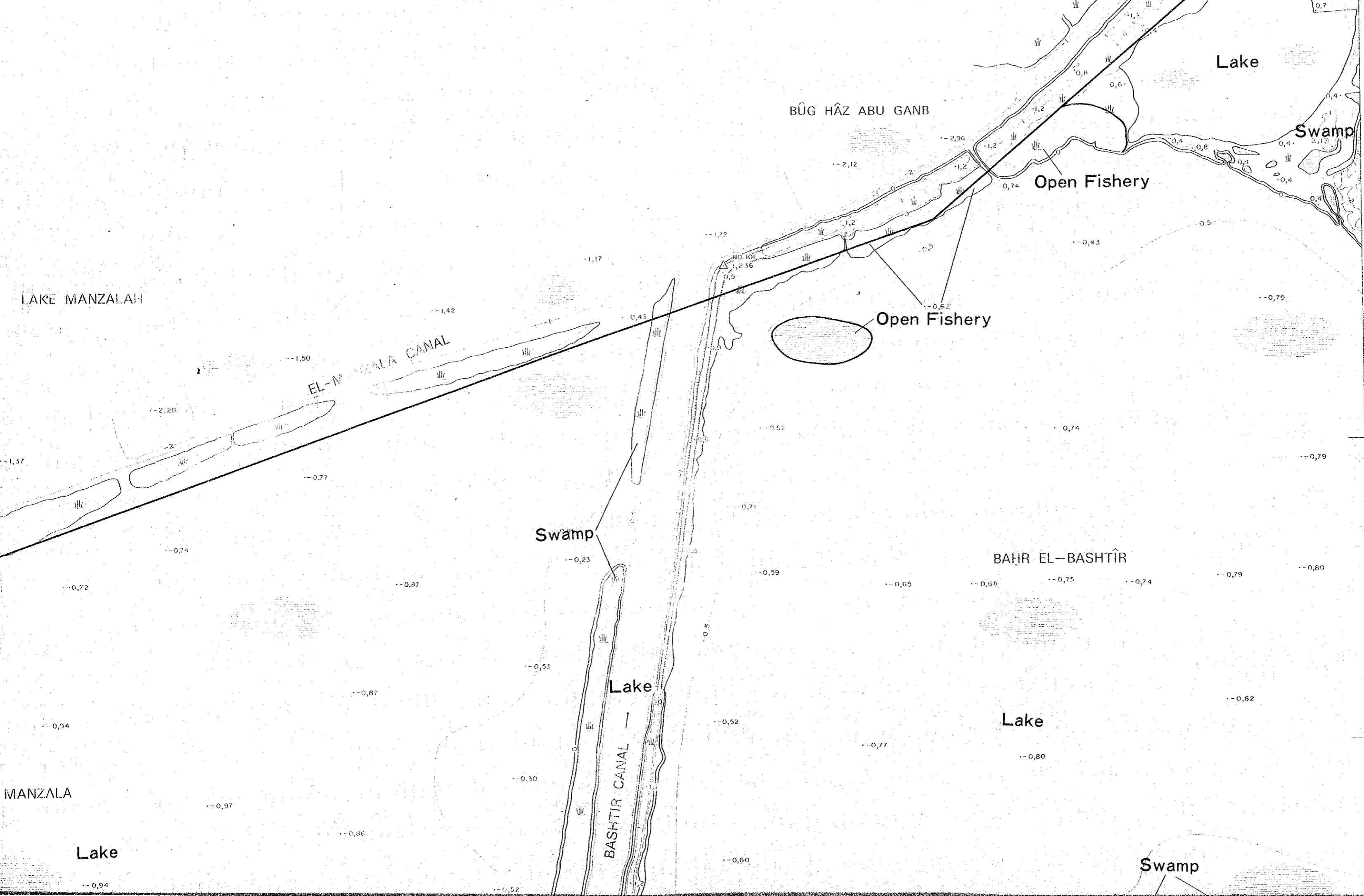
EL-MANZALA

Open Fishery

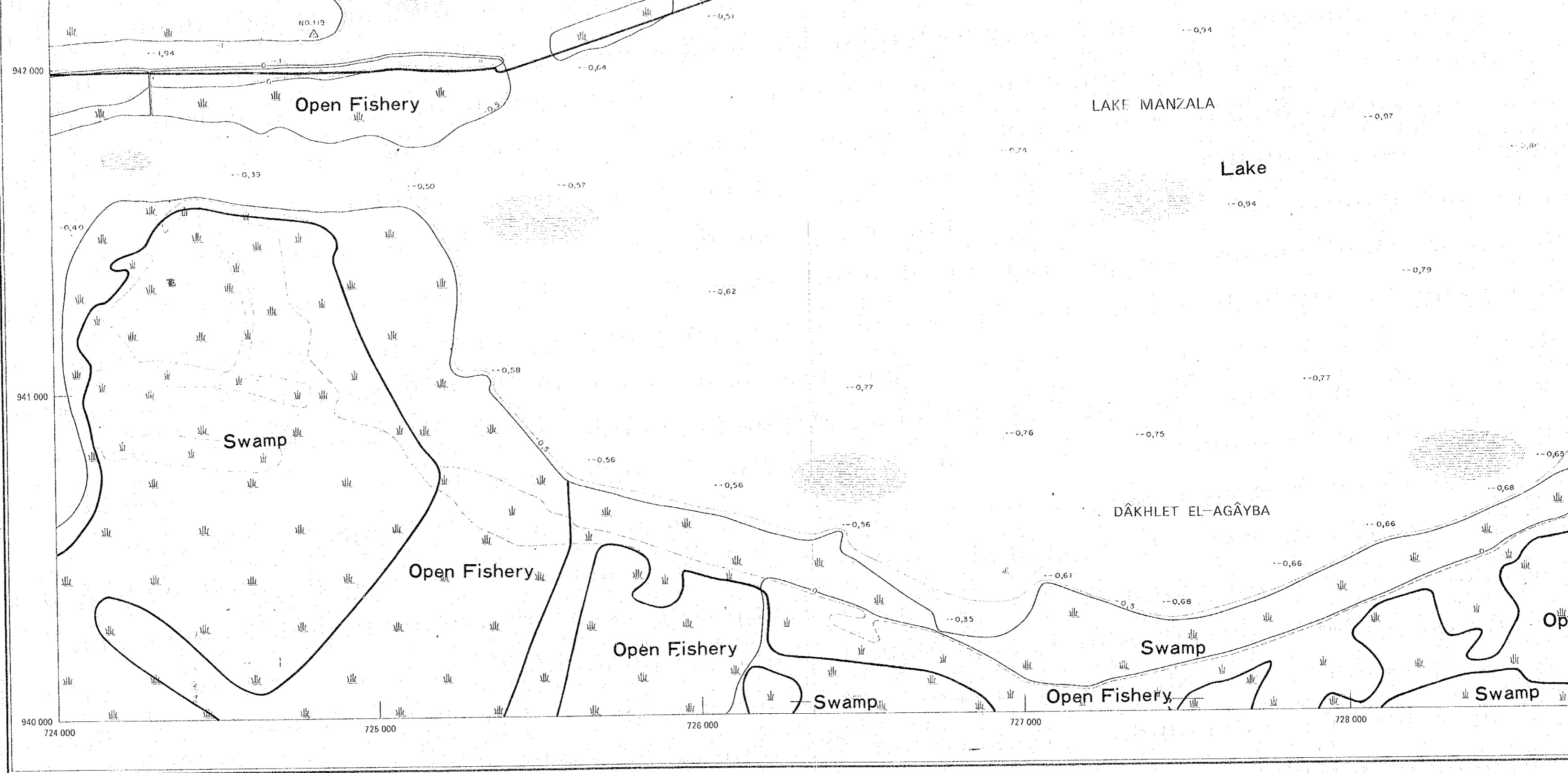
LAKE MANZALA

Lake



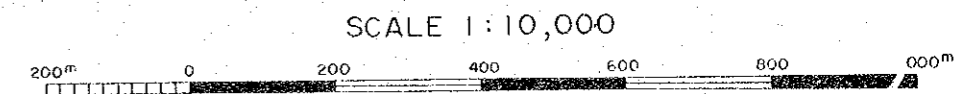


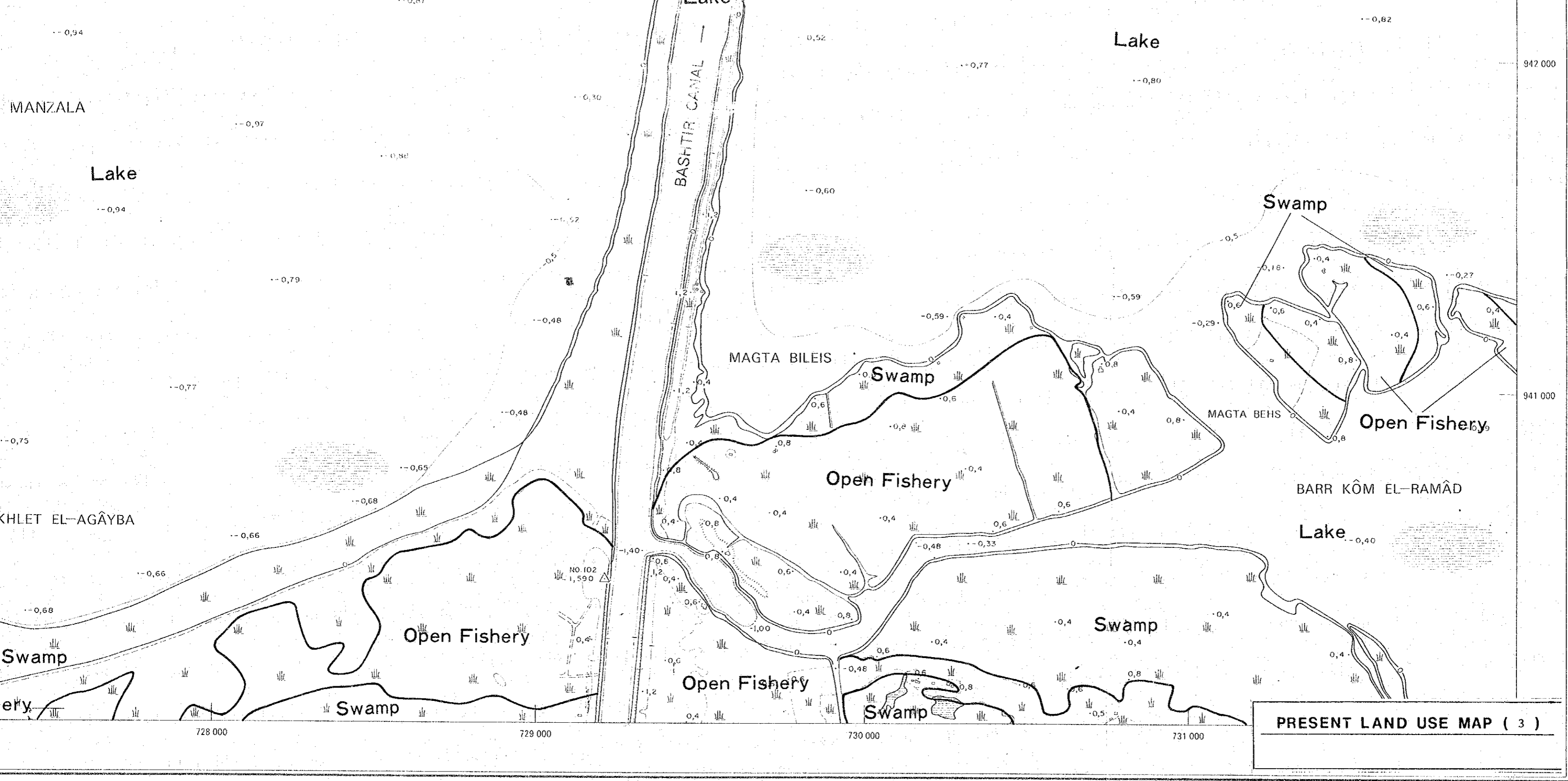
Hospital	C
Mosque	☞
School	⌒
Cemetery	⌒
Highway	====
Paved road	====
Unpaved road	———
Small road	-----
Track	-----
Bridge	———
Bank	
Levee	-----
Cultivation boundary	⬢
Marsh or swamp	
Waste area	
Lake	⬢
Private canal	⌒
Power line	—□—□—
Monument of traverse point and bench mark	△ NO.101 1,590
Monument 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	———



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

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Spot height 0,4
 Levelling height 0,41
 Contour

0,94

MANZALA

Lake

Lake

0,82

942 000

0,97

0,82

0,52

0,77

0,80

0,30

0,52

0,60

Swamp

0,79

0,5

MAGTA BILEIS

Swamp

0,16

0,4

0,27

0,77

0,48

0,59

0,4

0,59

0,29

0,6

0,4

0,6

0,4

0,75

0,65

Open Fishery

MAGTA BEHS

Open Fishery

BARR KÔM EL-RAMÂD

KHLET EL-AGÂYBA

0,68

Lake

0,40

0,66

0,66

1,40

NO. 102
1,590

Swamp

Open Fishery

Swamp

ery.

Swamp

Open Fishery

Swamp

728 000

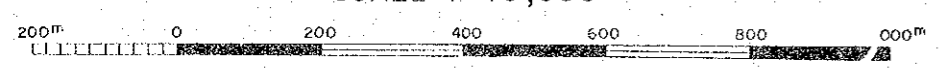
729 000

730 000

731 000

PRESENT LAND USE MAP (3)

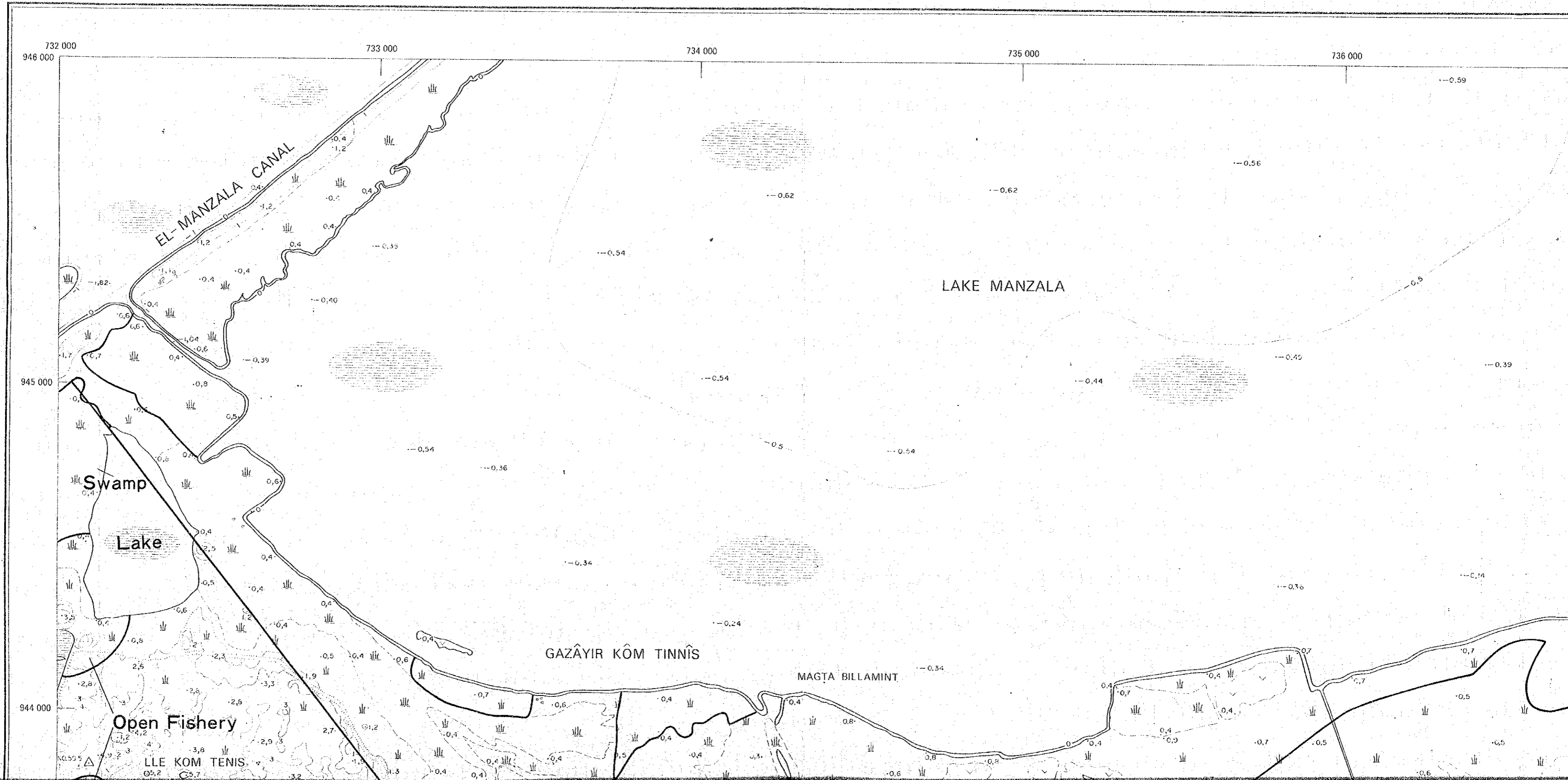
SCALE 1 : 10,000



10725

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

NORTH HUSSINIA & SOUT



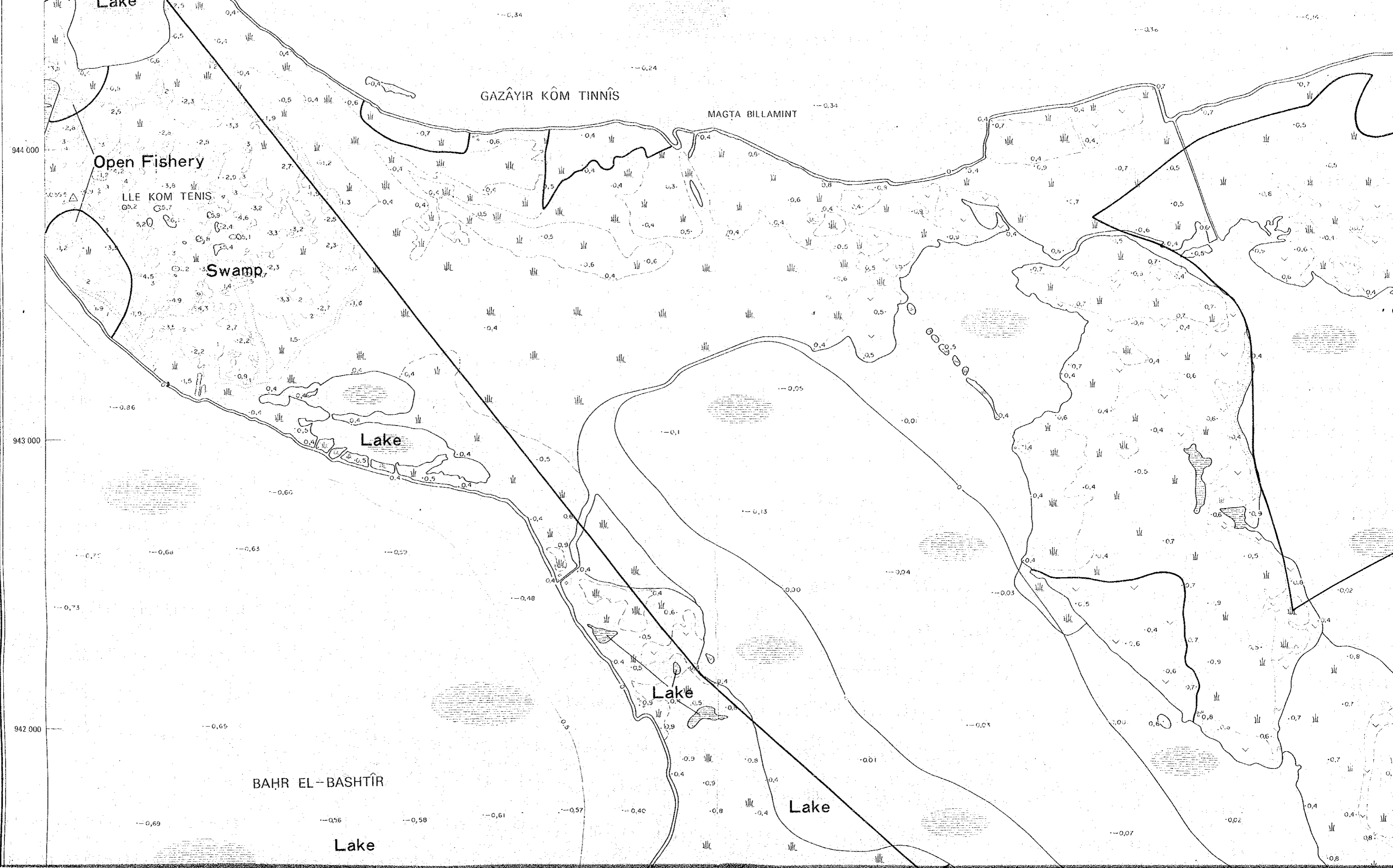
HUSSINIA & SOUTH PORT SAID







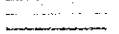
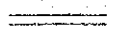
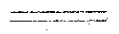
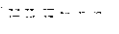
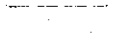
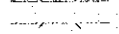
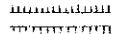



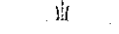

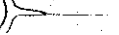

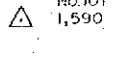
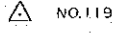
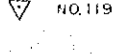
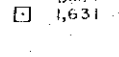
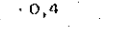
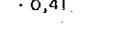
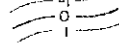
16-1	16-2	16-3	16-4
16-5	16-6	16-7	16-8
16-9	16-10	16-11	16-12
16-13	16-14	16-15	16-16

LEGEND

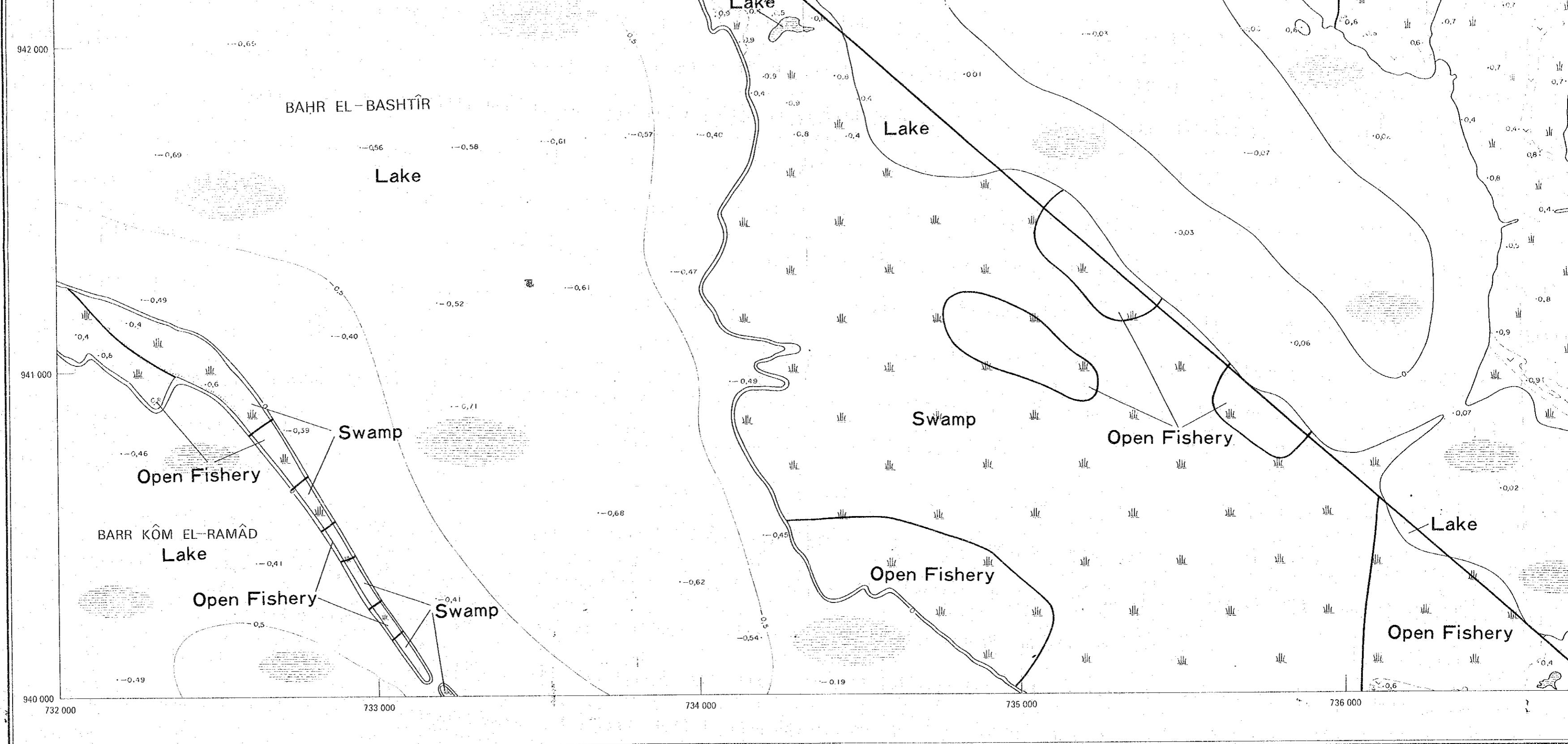
- Hospital
- Mosque
- School
- Cemetery
- Highway



LEGEND

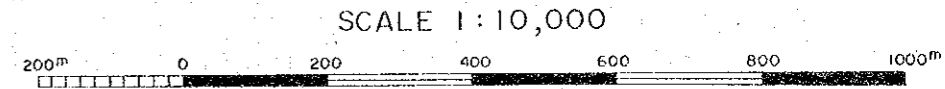
- Hospital 
- Mosque 
- School 
- Cemetery 
- Highway 
- Paved road 
- Unpaved road 
- Small road 
- Track 
- Bridge 
- Bank 
- Levee 
- Cultivation boundary 
- Marsh or swamp 
- Waste area 
- Lake 
- Private canal 
- Power line 
- Monument of traverse point and bench mark 
- Monument of traverse point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

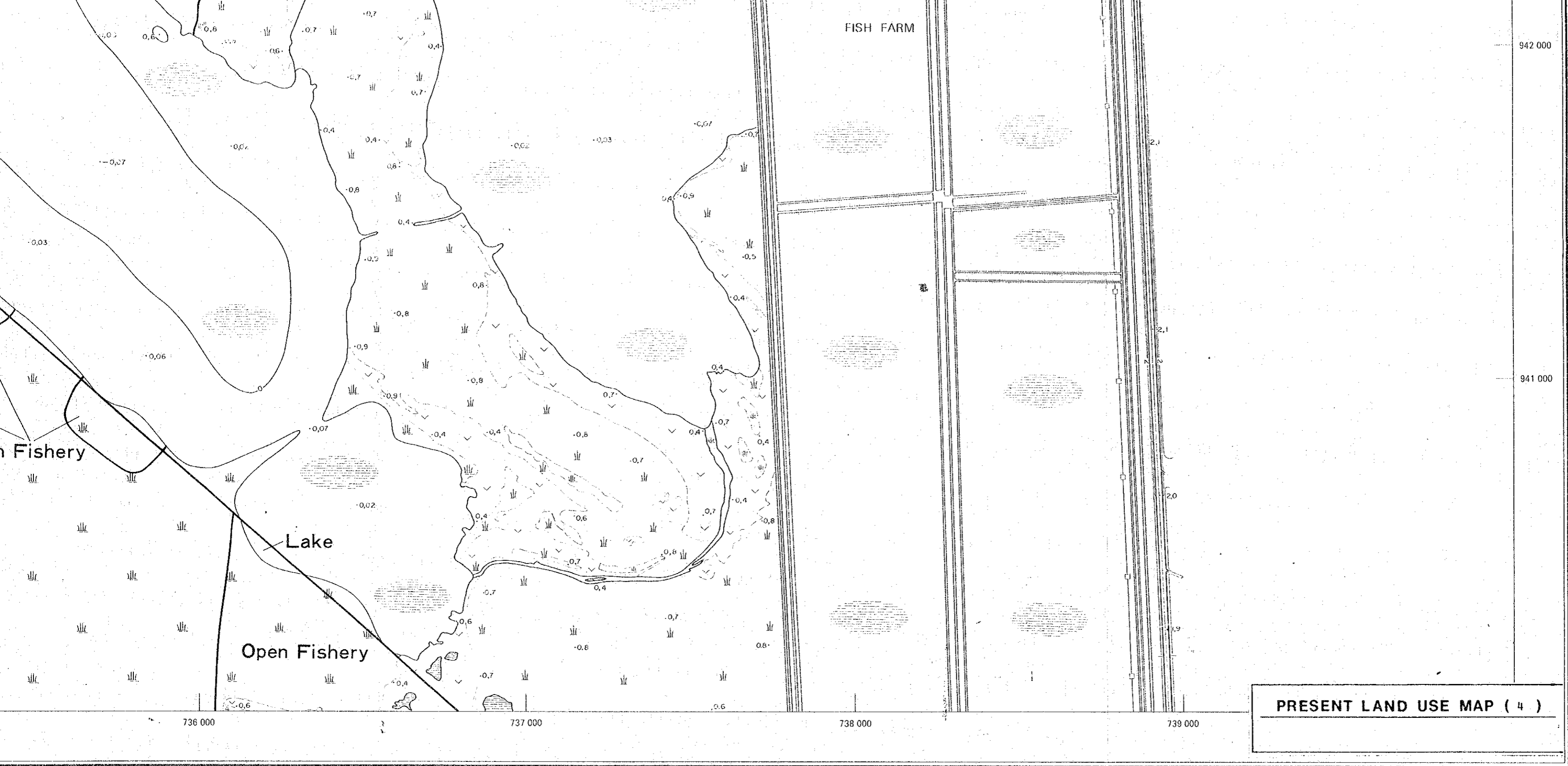




Projection : Transverse Mercator
 Spheroid : Helmert 1906
 Origin : 30° N (810.000mN) 31° E (615.000mE)
 Grid Tables : Egypt Red Belt

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

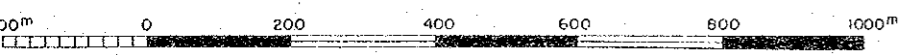




Spot height 0.4
Levelling height 0.41
Contour

PRESENT LAND USE MAP (4)

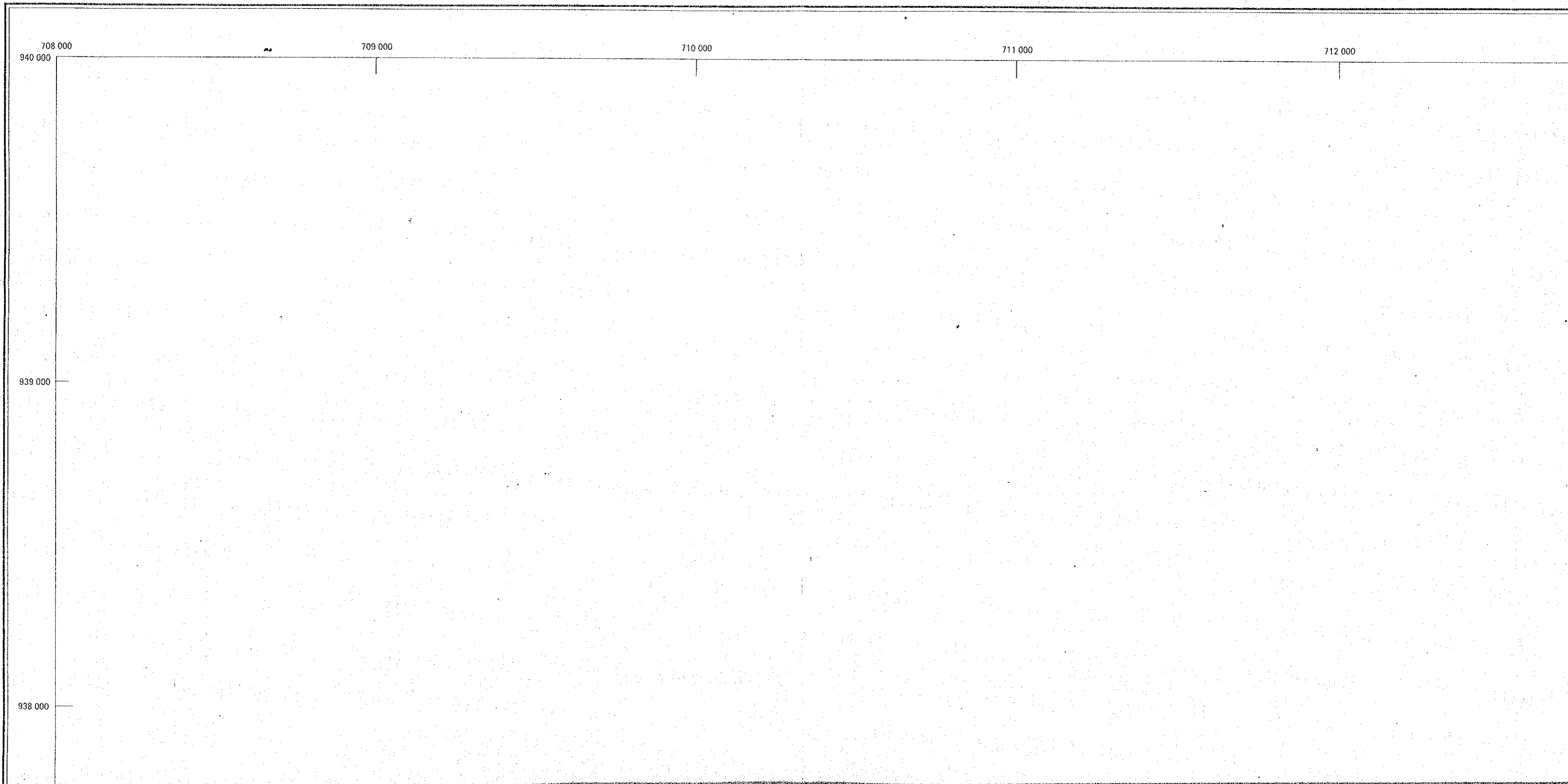
SCALE 1 : 10,000



10725

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

NORTH HUSSINIA & SOUT



RUSSINIA & SOUTH PORT SAID

712 000

713 000

714 000

715 000

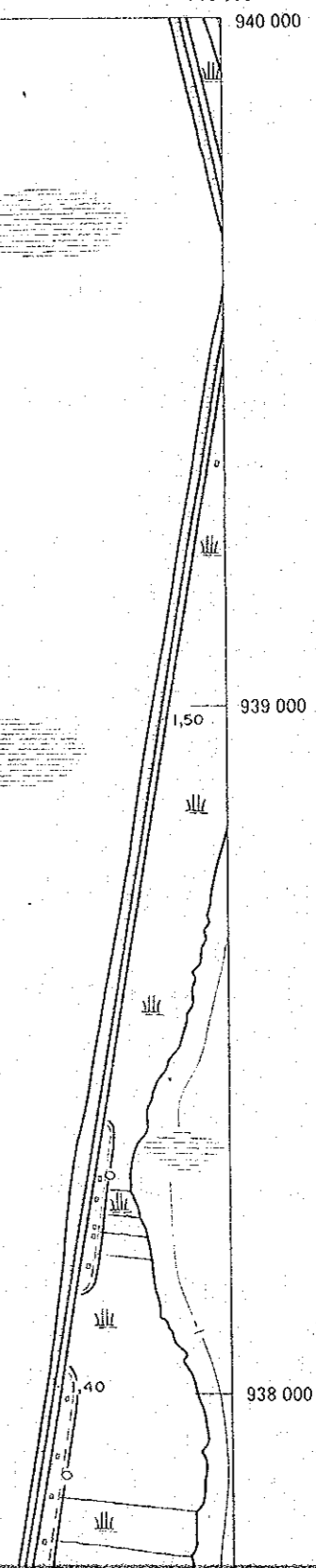
716 000

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	=====

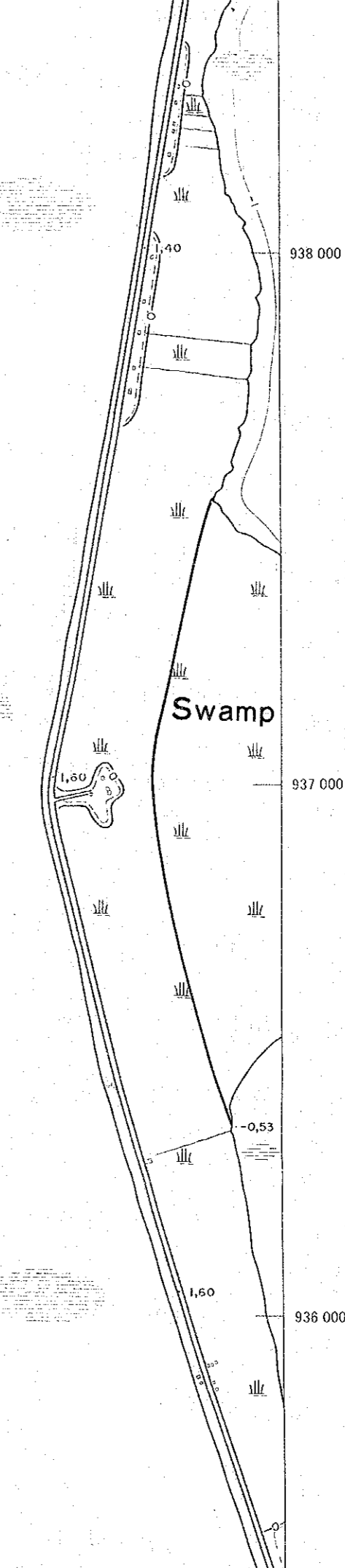


938 000

937 000

936 000

LEGEND



Hospital	C
Mosque	⊗
School	⌞
Cemetery	⋈
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—

936 000

935 000

934 000
708 000

709 000

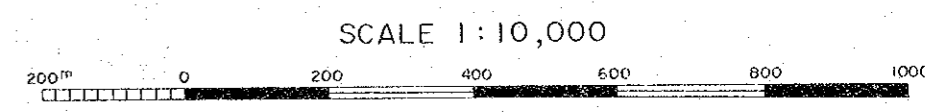
710 000

711 000

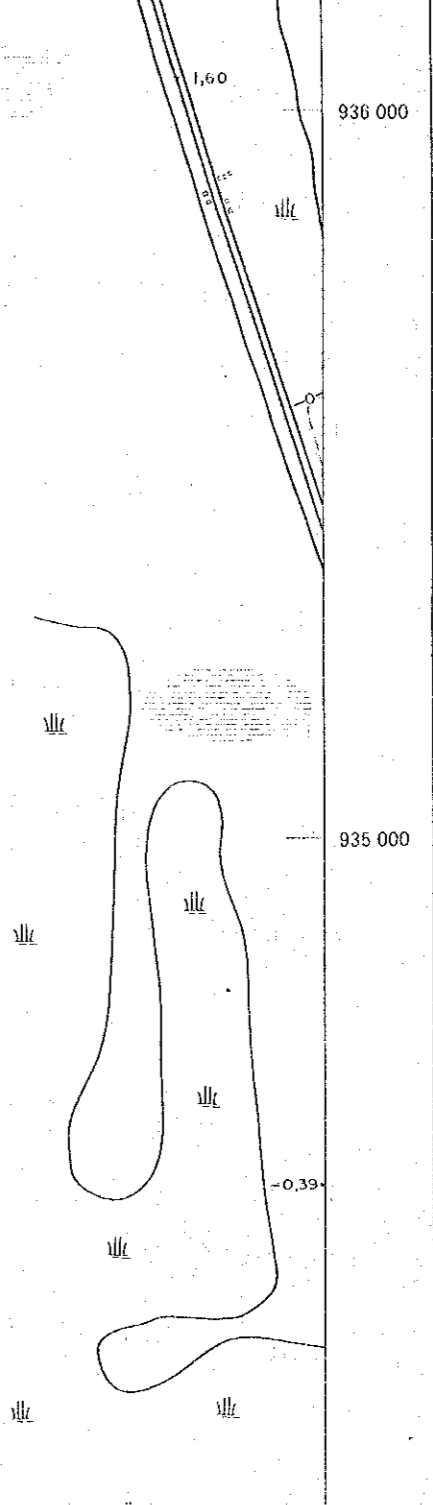
712 000

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

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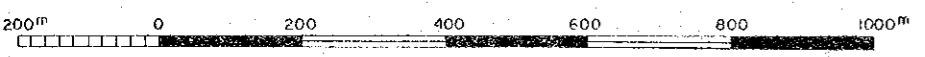
Spot height 0,9
Levelling height 0,41
Contour



712 000 713 000 714 000 715 000

PRESENT LAND USE MAP (5)

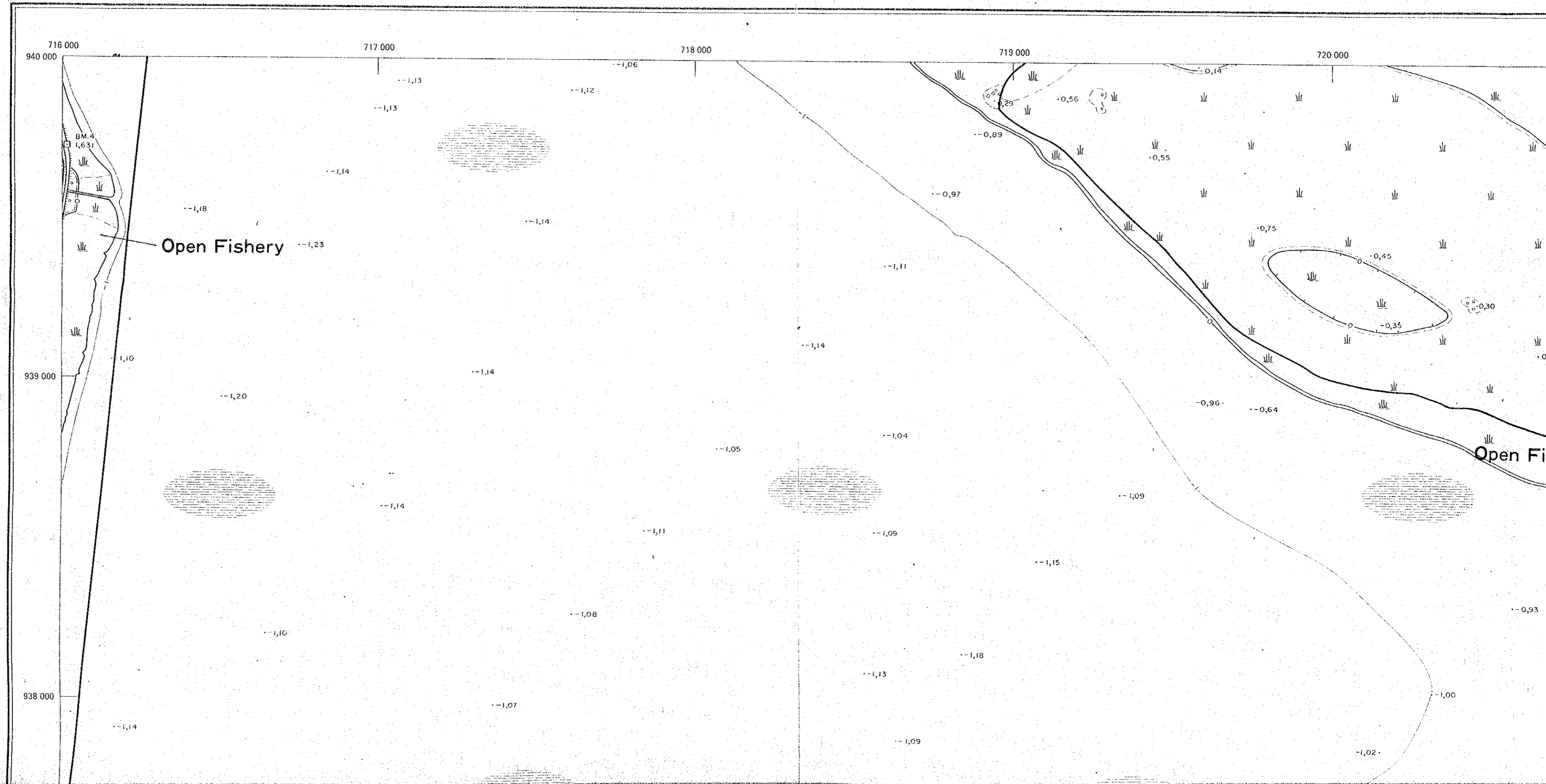
SCALE 1:10,000



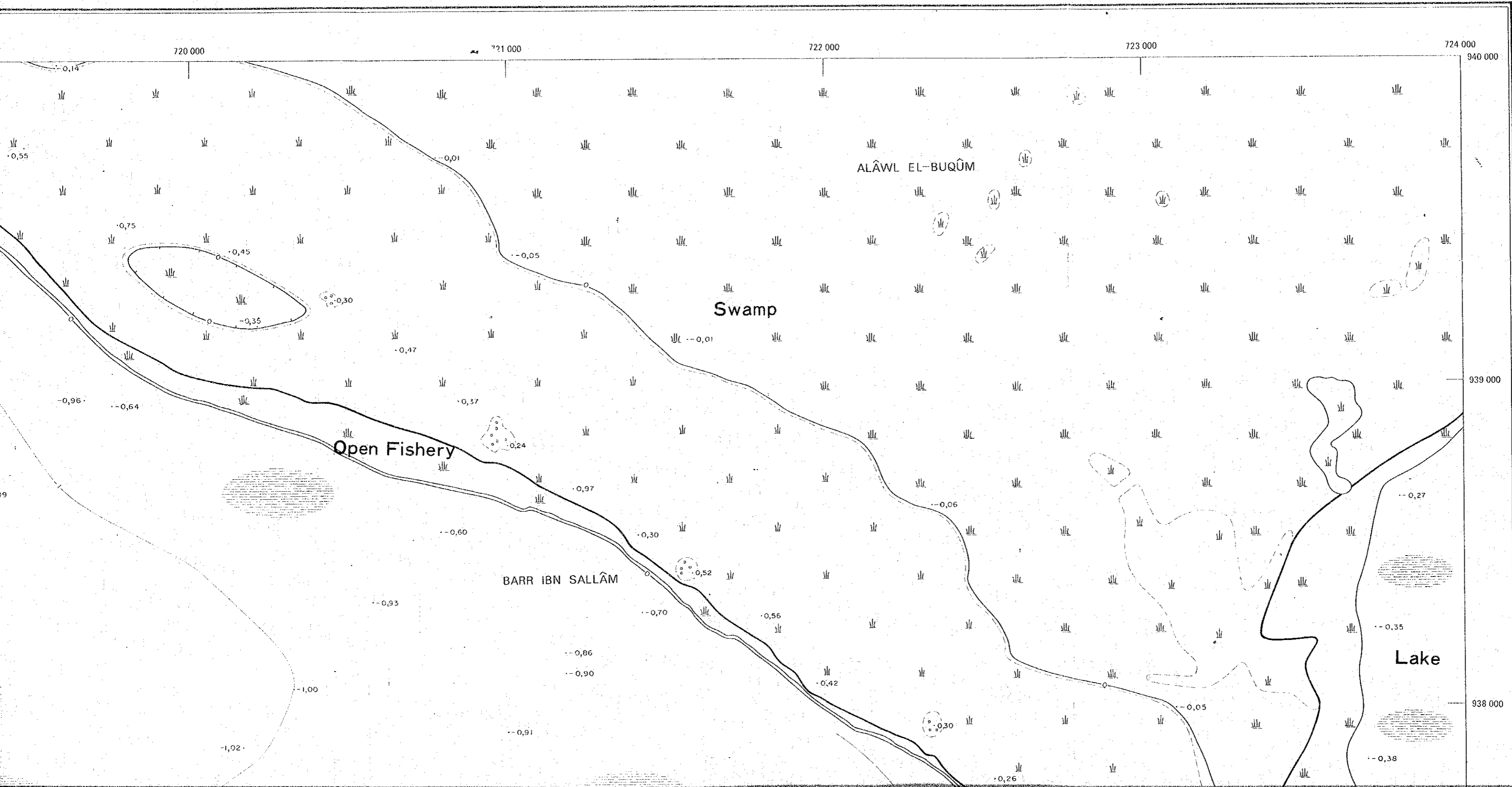
10725

SHEET $\frac{6}{16}$ EGYPT - SCALE 1:10,000

NORTH HUSSINIA & SOUTH



RUSSINIA & SOUTH PORT SAID

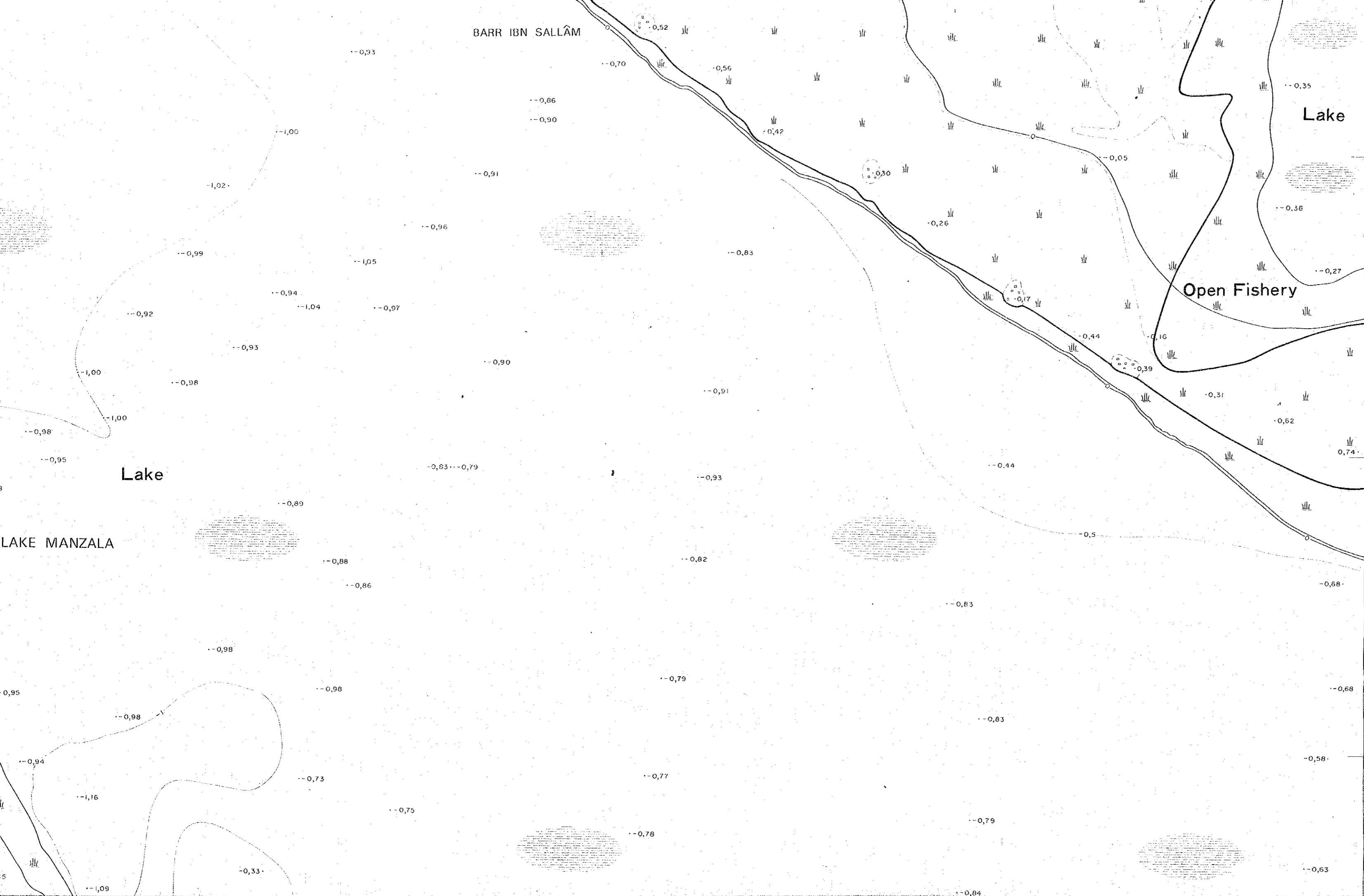


16-1	16-2	16-3	16-4
16-5	16-6	16-7	16-8
16-9	16-10	16-11	16-12
16-13	16-14	16-15	16-16





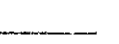




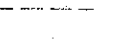
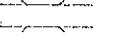
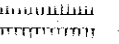
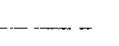


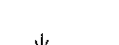
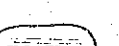
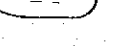







LEGEND

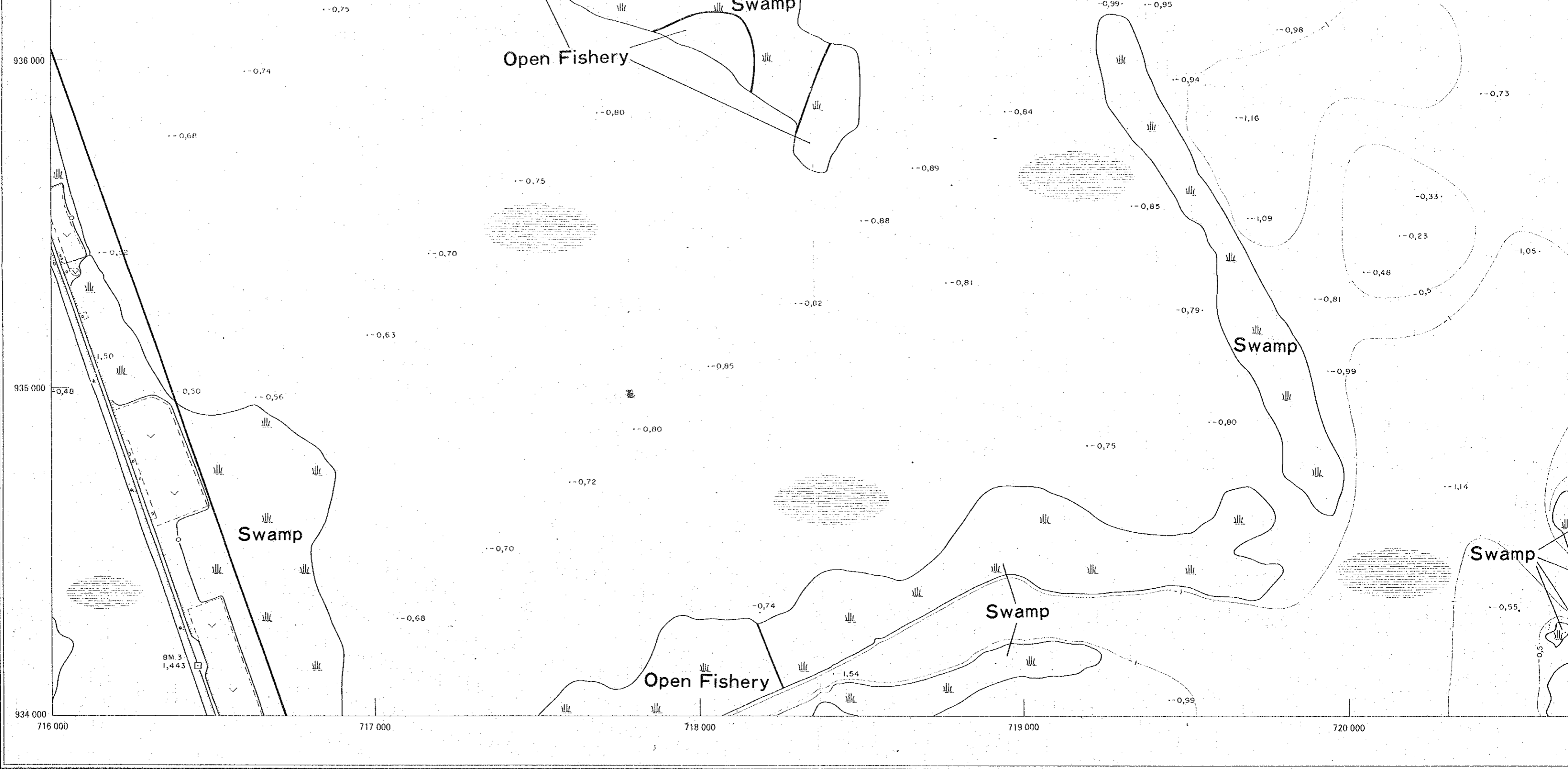
- Hospital C
- Mosque ⊘
- School ▶
- Cemetery Y
- Highway ====
- Paved road =====





LEGEND

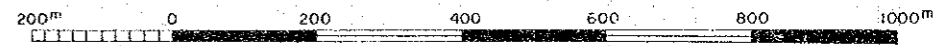
- Hospital 
- Mosque 
- School 
- Cemetery 
- Highway 
- Paved road 
- Unpaved road 
- Small road 
- Track 
- Bridge 
- Bank 
- Levee 
- Cultivation boundary 
- Marsh or swamp 
- Waste area 
- Lake 
- Private canal 
- Power line 
- Monument of traverse point and bench mark  NO.101
1,590
- Monument of traverse point  NO.119
- Temporary traverse point  NO.119
- Bench Mark  BM.4
1,637
- Spot height  0,4
- Levelling height  0,41
- Contour 

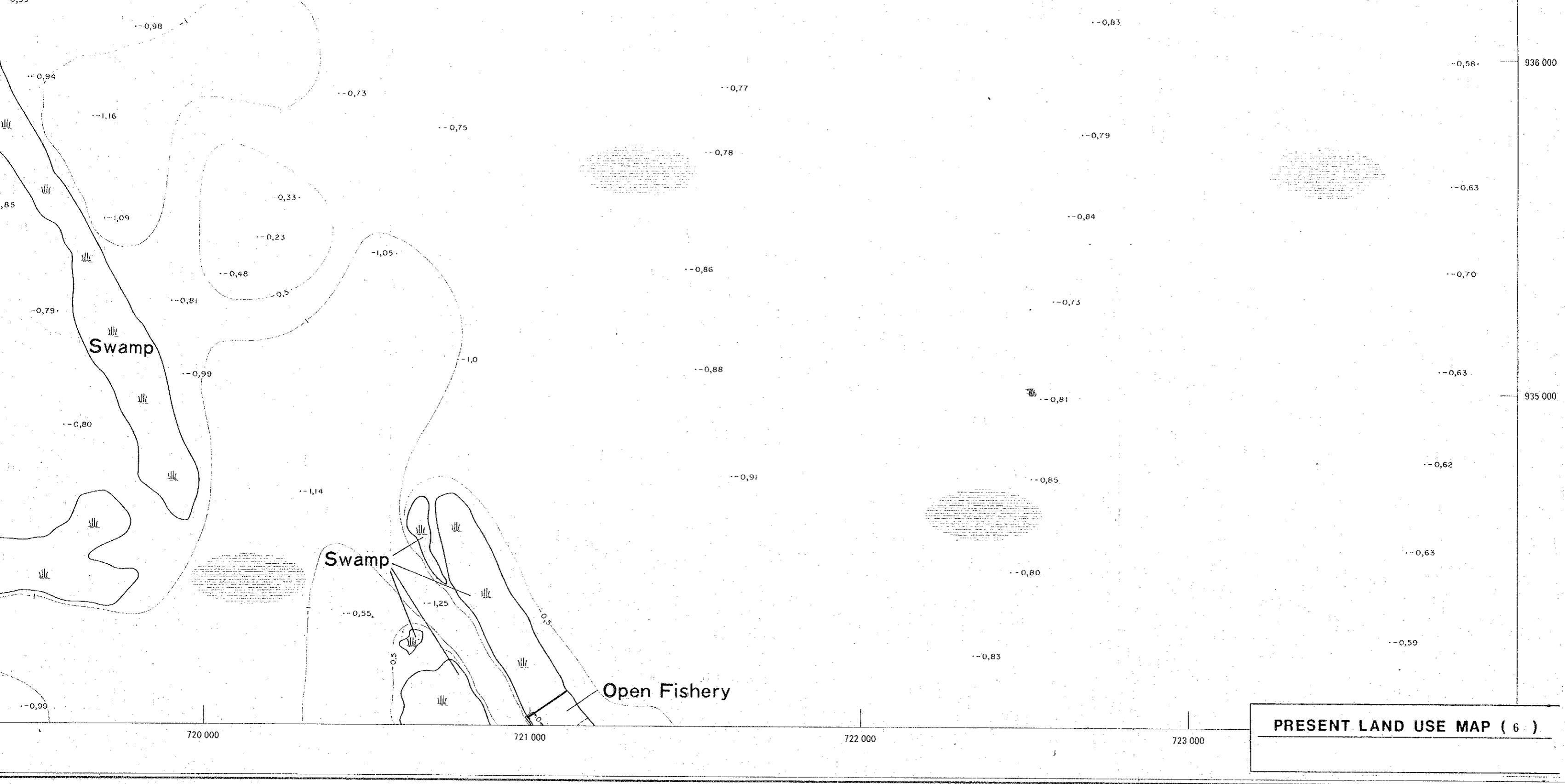


Projection : Transverse Mercator
 Spheroid : Helmert 1906
 Origin : 30° N (810.000mN) 31° E (615.000mE)
 Grid Tables : Egypt Red Belt

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SCALE 1 : 10,000

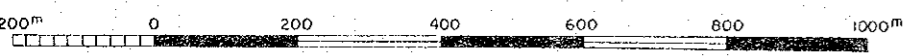




Spot height	-0.4
Levelling height	-0.41
Contour	

PRESENT LAND USE MAP (6)

SCALE 1 : 10,000



10725

SHEET $\frac{7}{16}$ EGYPT - SCALE 1:10,000

NORTH HUSSINIA & SOUT

