

Table (5) : Results of Nutrients analyses of surface water and groundwater of the study area. (1) deep well (60 - 70 m).(1') shallow well (10 - 20 m).

Location	Sample No	PO ₄ ⁻	NO ₃ ⁻	NO ₂ ⁻	NH ₄ ⁺	Sample No.	PO ₄ ⁻	NO ₃ ⁻	NO ₂ ⁻	NH ₄ ⁺
El.Saffin	1	0.03	0.04	0.3	0.03	1'	0.05	1.01	0.55	0.04
El.Minsha El.Soqhra	2	0.04	3.1	0.3	0.02	2'	0.03	3.05	0.25	0.025
Tisfa	3	0.03	0.05	0.6	0.02	3'	0.07	1.05	0.75	0.03
Kafr Ragab	4	0.09	0.08	0.7	0.04	4'	0.09	1.07	0.93	0.08
Asnit	5	0.045	0.12	0.52	0.02	5'	0.052	0.58	0.04	0.03
Kafr Shokr	6	0.03	0.14	0.65	0.05	6'	0.03	0.58	0.06	0.08
El.Baqashin	7	0.03	2.2	0.15	0.06	7'	0.06	5.1	1.04	0.24
Mit Rady	8	0.03	0.23	1.04	0.03	8'	0.07	2.12	0.28	0.04
El.Shokr	9	0.08	0.54	0.8	0.06	9'	0.07	0.3	0.1	0.15
El.Aziziah	10	0.06	0.4	0.8	0.08	10'	0.08	0.2	0.09	0.2
Sheblangah	11	0.08	0.95	0.3	0.06	11'	0.06	1.2	0.03	0.1
Benha	12	0.03	0.8	0.03	0.02	12'	0.08	1.8	0.03	0.03
Miniat El.Sebaa	13	0.08	2.01	0.01	0.02	13'	0.09	0.14	0.55	0.04
Kafr Ata Allah	14	0.02	0.13	0.51	0.02	14'	0.06	0.49	0.13	0.04
El.Ramla	15	0.05	0.5	0.2	0.06	15'	0.03	1.3	0.25	0.14
Mit Asem	16	0.03	0.8	0.45	0.02	16'	0.08	4.3	0.4	0.2
El.Shemot	17	0.03	0.8	0.38	0.02	17'	0.04	0.95	0.45	0.02
Giziret Bolly	18	0.06	8	0.09	0.03	18'	0.08	19	1.2	0.4
Tahla	19	0.05	0.6	1.3	0.01	19'	0.45	2	0.8	0.02
Farsis	20	0.03	4.2	1.1	0.04	20'	0.04	1.2	0.9	0.04
Beltan	21	0.03	0.7	0.9	0.06	21'	0.03	2.5	1.65	0.3
El.Hessa	22	0.025	6	1.05	0.08	22'	0.035	11.3	1.8	0.18
Mit Kinana	23	0.02	11.3	1.2	0.07	23'	0.04	21.4	2	0.09
Tahoria	24	0.02	1.4	0.95	0	24'	0.05	4.2	0.98	0
Akiad Degwa	25	0.03	0.08	0.02	0.02	25'	0.06	0.2	0.01	0.03
Emiay	26	0.01	0.1	0.4	0.03	26'	0.02	2.1	0.3	0.04
Tukh	27	0	4.2	0.04	0.15	27'	0	7	0.08	0.35
Moshtohor	28	0	4.1	0.05	0.1	28'	0	6.3	0.08	0.4
El.Manzalah	29	0	5.3	0.1	0.2	29'	0	8.4	0.09	0.5
El.Dir	30	0	12.5	0.03	0.04	30'	0	28	0.6	0.07
El.Ahraz	31	0.02	0.1	0.4	0.02	31'	0.01	0.8	0.9	0.03

Table (5) : Continued :

Location	Sample No	PO ₄ ⁻	NO ₃ ⁻	NO ₂ ⁻	NH ₄ ⁺	Sample No.	PO ₄ ⁻	NO ₃ ⁻	NO ₂ ⁻	NH ₄ ⁺
Shibin El.Qanater	32	0.04	4.2	0.8	0.08	32'	0.03	13	6.2	0.1
Kom El.Atron	33	0.04	0.2	0.7	0.03	33'	0.02	2.2	0.02	0.03
El.Fuadya	34	0.03	1.2	0.8	0.08	34'	0.04	2.8	1.3	0.1
Namol	35	0.01	0.4	0.02	0.05	35'	0.02	3	0.2	0.2
Kafr Shibin El.Qanater	36	6.04	4.2	0.4	0.05	36'	0.08	7.5	0.2	0.3
Aghour El.Kubra	37	0.03	0.3	0.9	0.02	37'	0.03	2.1	0.01	0.02
Shobra shehab	38	0.01	0.3	0.2	0.03	38'	0.06	0.8	0.06	0.04
Karanfel	39	0.04	0.04	0.2	0.04	39'	0.05	0.7	1.2	0.04
Kaha	40	0.02	1.05	0.3	0.04	40'	0.02	2.4	1.2	0.05
Giziret El.Sid	41	0.07	1.4	0.21	0.08	41'	0.08	3.4	0.35	0.09
El.Monera	42	0.02	0.4	0.01	0.02	42'	0.04	1.2	0.04	0.06
Sinduon	43	0.03	1.08	0.06	0.05	43'	0.01	1.8	0.4	0.06
Tanan	44	0.05	2.3	0.03	0.06	44'	0.04	5.3	0.03	0.09
Nawa	45	0.03	2.8	0.01	0.05	45'	0.03	8.3	0.04	0.2
El.Qanater	46	0.02	0.8	0.04	0.01	46'	0.01	1.5	0.05	0.02
Sholkan	47	0.05	1.2	0.01	0.08	47'	0.08	0.9	0.75	0.18
Qaluob	48	0.05	0.9	0.01	0.04	48'	0.04	1.8	0.04	0.09
Kom Eshfen	49	0.02	0.52	0.3	0.04	49'	0.04	2.3	0.9	0.1
Belaks	50	0.01	4.3	0.9	0.08	50'	0.05	7.4	0.85	0.1
Giziret Abu Ghit	51	0.04	1.4	0.05	0.07	51'	0.06	0.6	0.15	0.2
Bahtem	52	0.01	0.5	0.04	0.04	-	-	-	-	-

Table (5) : Continued :

Sample No.	Location	PO ₄ ⁻	NO ₃ ⁻	NO ₂ ⁻	NH ₄ ⁺
1	Damietta branch at El. Saffin	0.01	0.45	0.02	0.01
2	Damietta branch at Benha	0.008	0.45	0.02	0.01
3	Damietta branch at El. Qanater	0	0.45	0.02	0.01
4	El. Rayah El. Tawfiky at El. Saffin	0.01	0.8	0.06	0.02
5	El. Rayah El. Tawfiky at Benha	0.008	0.8	0.06	0.02
6	El. Rayah El. Tawfiky at El. Qanater	0	0.8	0.06	0.02
7	El. Sharkaweya canal	0.03	0.7	0.05	0.01
8	Ismailia canal	0.02	0.75	0.05	0.01
9	Bahr El. Senety canal	0.02	0.4	0.4	0.06
10	Bahr Mowis canal	0.03	0.3	0.04	0.08
11	El. Filfila El. Mostagada canal	0.02	0.2	0.15	0.01
12	El. Hessa canal	0.02	0.6	0.2	0.01
13	Kom Batin canal	0.03	0.9	0.03	0.05
14	Fadel canal	0.05	2.3	0.9	0.04
15	Bahr Mowis (El. Shemia)	0.01	13.8	1.2	0.3
16	Tisfa drain	0.07	9.3	1.2	0.06
17	Mit yazid drain	0.08	9.9	1.3	0.05
18	El. Qaluobiya drain	0.05	12.5	1.5	0.7
19	Namol drain	0.05	13	1.04	0.3
20	El. Dir drain	0.06	17.8	1.33	0.2
21	Tanan drain	0.35	14.7	1.43	0.04
22	Shibin El. Qanater drain	0.4	13.8	1.85	0.2
23	Nawa drain	0.2	14.2	1.2	0.1
24	El. Ahraz drain	0.6	14.25	1.04	0.2

Table (6) : Continued :

Sample No.	Location	Fe+++	Mn++	Pb++	Cu++	Cd+
16	Tukh	0.02	0.94	0.13	0.01	0
16'	Tukh	0.02	0.53	0.19	0.01	0
17	Moshtohor	0.04	0.17	0.11	0.01	0
17'	Moshtohor	0.04	0.34	0.13	0	0.01
18	El.Dir	0.02	0.09	0.08	0.01	0.01
18'	El.Dir	0.03	2.18	0.09	0.01	0.01
19	Shebin El. Qanater	0.03	0.02	0.11	0.01	0
19'	Shebin El. Qanater	0.02	0.43	0.12	0.01	0.01
20	Shobra Shehab	0.02	0.12	0.06	0.01	0.01
20'	Shobra Shehab	0.05	0.9	0.07	0.01	0
21	Karanfel	0.01	0.59	0.08	0.01	0.01
21'	Karanfel	0.03	0.55	0.19	0.01	0
22	Kaha	0.01	0.26	0.04	0.01	0.01
22'	Kaha	0.03	0.35	0.16	0.01	0.01
23	El.Sid	0.05	0.02	0.05	0.01	0.01
23'	El.Sid	0.05	0.49	0.18	0.01	0.01
24	Kafr Shibin El.Qanater	0.06	1.29	0.09	0.01	0
24'	Kafr Shibin El.Qanater	0.01	0.21	0.21	0.01	0.01
25	Sinduon	0.06	1.05	0.02	0.01	0.01
25'	Sinduon	0.02	0.85	0.03	0.05	0.01
26	Tanan	0.03	0.24	0.06	0.01	0
26'	Tanan	0.03	0.36	0.16	0.01	0
27	El.Qanater	0.03	0.28	0.04	0.01	0.01
27'	El.Qanater	0.02	0.8	0.19	0.01	0.01
28	Sholkan	0.02	0.27	0.07	0.01	0.01
28'	Sholkan	0.05	0.73	0.33	0.02	0.01
29	Qaluob	0.07	0.43	0.09	0.01	0
29'	Qaluob	0.03	1.12	0.09	0	0.01
30	Kom Eshfin	0.01	0.39	0.04	0.01	0

Table (6) : Continued :

Sample No.	Location	Fe+++	Mn++	Pb++	Cu++	Cd+
30	Kom Eshfin	0.01	0.32	0.11	0.01	0
31	Belaks	0.01	0.02	0.07	0.01	0.01
31	Belaks	0.01	0.95	0.08	0.01	0
32	Damietta branch	0.01	0.2	0.01	0.02	0.01
33	El.Rayah El.Tawfiky	0.01	0.24	0.01	0.02	0.01
34	Ismailia canal	0.01	0.22	0.08	0.02	0
35	El.Sharkawiya canal	0.02	0.2	0.09	0.09	0.01
36	El. Hessa canal	0.15	0.4	0.01	0.01	0.01
37	Fadel canal	0.01	0.2	0.01	0	0.01
38	El.Qaluobiya drain	1.02	2.8	0.2	1.01	0.04
39	Tanan drain	1.05	1.2	0.2	1.2	0.04
40	Nawa drain	1.02	1.05	0.18	1.05	0.02
41	Namul drain	1.01	1.05	0.15	1.02	0.04
42	El.Dir drain	1.02	1.01	0.2	1.01	0.03
43	El. Ahraz drain	1.5	1.08	0.2	1.04	0.02