

/ /

100-0

300-200 200-100

()

80

.(8)

650 2009-2008

.(8)

.(13)

.(10)

665

.(8)

(8) 5615330

46 40 - 45 42

32 28- 31 8

50

) Global Positioning System (GPS)

(1

()

:

:

.(1) 100-0

.1

.(2) 200-100

.2

.(3) 300-200

.3

2-1

:

1:5

pH-meter

(:)

5:1

(Hanna)

(5) 25

, $\mu\text{S.cm}^{-1}$ (/)

.(4)

1:5

EDTA-2Na

/

Murexid

/

1:5

.(5)

(4)

PG

Spectrophotometer

/

420

AS4324

.(4) /

(4)

540 SDE

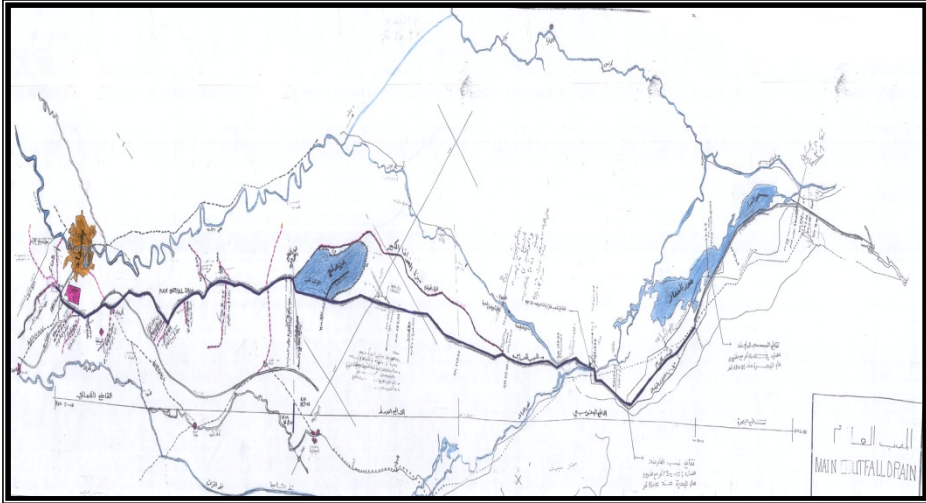
Jeanouy

Flame photometer

/

.(11) FAO 2007

SSPS



(1)

-7.4

7

(1) 8.3

.(1) 8.0

1

(1)

2

/

1220

/

2315

3

/

2250

(1)

.(3)

.(7)

(2) - 0.4 = r

(9) % 40

(2)

$0.6 = r$

(2)

(6)

$PO_4^{=}$ (6)

3 2 1

$0.65 = r$ (2)

(14)

(3)

$0.3 = r$ (2)

(OH-)

(H+)

.(14)

0.6 =r

.(1)

(2)

(1)

(2) 0.65=r

(2) 0.7=r

.(12)

.(7)

(RSC)

1

\

0.34

2

/

0.84

SAR

()

(1):

	3	2	1	
7.7	8.3	7.9	7.9	PH
1128	2315	2250	1220	$\mu\text{S.cm}^{-1}$
690	1618	1420	970	TDS Mg\L
310	376	290	344	Ca^{++} mg/l
198	290	248	267	Mg^{++} mg/l
265	310	245	270	SO_4^{-} mg/l
18.2	11.6	14.3	12.2	P mg/l
12.4	18	36	22	NO_3^{-} mg/l
322	460	388	317	Na^{+} mg/l
118	302	216	242	K^{+} mg/l
460	422	410	367	HCO_3^{-} mg/l
420	458	436	412	CL- mg/l
-	8.85	6.6	1.32	SAR
-	0.38	0.29	0.3	RSC
-	0.62	0.84	0.34	B mg/l

* (2)

K ⁺	Na ⁺	SO ₄	NO ₃ ⁻	PO ₄ ⁻³	Cl ⁻	Mg ⁺²	Ca ⁺²		EC	pH	
-0.2	0.43	0.34	0.04	0.07	0.1	0.12	0.24	0.13	0.6	1	pH
0.08-	0.26	-0.21	0.21-	0.09-	0.7	0.23	0.58	0.39	1		EC
0.23	0.6	0.08-	0.08-	0.12	0.12	0.21	0.03	1			
-0.36	0.09	0.6	0.06	0.7	0.05	-0.4	1				Ca ⁺²
-0.21	0.05	-0.1	0.06	-0.22	0.02	1					Mg ⁺²
0.09	0.65	0.06	0.36	0.02	1						Cl ⁻
0.2	0.3	0.11	0.02	1							PO ₄ ⁻³
0.26	0.39	0.02	1								NO ₃ ⁻
0.02	0.3	1									SO ₄
0.12	1										Na ⁺
1											K ⁺

* . p<0.05

.(1999) . 1

:1420 - . 31 - 24

.(1976) . 2

3

.(2005).

- .35-30:(1)10 .
- .(1998). .4
- .(2001). .5
- 311 :16 -
- .329
- .6
- .(2008)
- .33-25 :(1)1 .
- .(2005) . .7
- .39-32 :(2)18 .
- (2009) . .8
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Study of effect Al-Masab Al-Aam project upon chemical characters of the closed soil

Mohammed T. Khathi Mitheem A.Abed Al- Asaad H. Sayer
 Hussein
Thi-Qar university \ College of science \ Chemistry Dep

Abstract

The study was included collection of soil samples from nine locations located on different distances 0-100m, 100-200m and 200-300m along one side of the Al-Mosab Al-Aamm river to study the chemical characteristics as to as water sample of river. Properties were study include pH, electrical conductivity, total dissolved salts ,concentration of calcium, magnesium, bicarbonate, chloride, nitrate ,sulfate, phosphate and elements of sodium, potassium The dangerous of salinity ,sodium ,bicarbonate and boron were measured. The results showed the response of conductivity and concentration of sodium and chloride whereas variation other Properties. The result showed that found high dangerous of salinity and sodium in these zones.