

**Republic of Iraq
Presidency of Council of Ministers
National Investment Commission**



**MAJOR STRATEGIC (LARGE) AND
(MEDIUM-SIZE) PROJECTS AVAILABLE
FOR INVESTMENT ACCORDING TO
SECTORS**

NUMBER OF INVESTMENT OPPORTUNITIES ACCORDING TO SECTORS (AN ADDITIONAL LIST OF OPPORTUNITIES WILL BE POSTED IN THE WEBSITE BY FRIDAY JANUARY 26TH, 2018)

No.	Sector	Number of oppurtinites
Major strategic projects		
1.	Chemicals, Petrochemicals, Fertilizers and Refinery sector	18
2	Transportation Sector including (airports/ railways/highways/metro/ports)	16
3	Special Economic Zones	4
4	Housing Sector	3
Medium-size projects		
5	Engineering and Construction Industries Sector	6
6	Commercial Sector	12
7	tourism and recreational Sector	2
8	Health and Education Sector	10
9	Agricultural Sector	86
Total number of opportunities		157



Major strategic projects

1. CHEMICALS, PETROCHEMICALS, FERTILIZERS AND REFINERY SECTOR:

A. Rehabilitation of existing fertilizer plant in Baiji and the implementation of new production lines (for export).

- Production of 500 ton of Urea fertilizer
- Expected capital: 0.5 billion USD
- Return on Investment rate: %17
- The plant is operated by LPG supplied by the North Co. in Kirkuk Province. 9 MW Generators are available to provide electricity for operation.
- The ministry stopped operating the plant on 1/1/2014 due to difficult circumstances in Saladin Province.
- The plant has 1165 workers
- About %60 of the plant is damaged.

Reconstruction and development of fertilizer plant in Abu Al Khaseeb (for export).

- **Plant history**
- The plant consist of two production lines, the old production line produced Urea granules 200 t/d in addition to Sulfuric Acid and Ammonium Phosphate. This plant was completely destroyed during the war in the eighties. The second plant was established in 1973 and completed in 1976, designed to produce Urea fertilizer 420 thousand metric ton/y.
- **Location:** the plant is located on Shat Al Arab next to Abo Floos River and near Abu Al Khaseeb town, 25km south of Basra in southern Iraq.
- **Infrastructure:**
- the plant is close to the main road connecting Basra to the other cities
- available raw materials such as natural gas
- close to a big river as a source of water
- Most of the raw materials are locally available, such as natural gas (40 million cubic feet/ day is required) if operated according to design capacity.

Design Capacity

- Ammonium plant capacity is 800 metric ton/day
- Urea plant capacity 1300 metric ton/day (420 thousand metric ton/year)
- Target capacity: present design capacity (or according to investor's suggestion)
- Raw materials availability: essential raw material is natural gas which is locally available.
- Estimated cost for rehabilitation: approximately \$ 250 m (300 b ID)

C. New production lines for fertilizer plant in Khor Al Zubair (for export)

- Production of 500 ton of Urea fertilizer
- Expected capital: 0.5 billion USD
- Return on Investment rate: (according to the investor's feasible study and estimations)

D. Rehabilitation and development of phosphate plant in Qaim and the Ukashat mine (for local demand and export).

- Damages due to occupation (2014-2017) is to be estimated by local committees with the Ministry of Industry and Minerals. Technical and financial information for rehabilitation shall be based on recommendations of the joint committees.

E. Construction of Acid and alkaline factories at the sites of Al-Furat General Company

- Concentrated Sulfuric acid: 24750 t/y
- Aluminum Sulphate: 16500 t/y
- Annual return on investment %33.6
- Capital payback period 2.5 years
- Breakeven point %39.4



F. Petrochemical projects (rehabilitation & development)

1. Petrochemical plants

- Production of Liquid hydrocarbon products in Al- Faw Peninsula, 1500 t/y of Ethylene

2. Polypropylene production plant

- Production: 650 t/y of propylene
- Location: Al- Faw Peninsula (or west of Qurna)
- Expected capital: \$1.9 b
- Return on investment: %17

3. Petrochemical plants

- Production: first phase- 1200 t/y of Ethylene
Second phase- Aromatics Concentrate
- Location: Basra Province
- Cost, capital payback and profits to be determined according to investor's feasibility study.

G. Construction of new refineries in different capacities (according to the Ministry of Oil announcement) one of them in Al Faw Port 300 thousand bpd.

- Construction of a refinery in Anbar Province with a production capacity of 150 thousand bpd.
- Construction of new Al-Nasiriy refinery in Thi Qar Province with a production capacity of 150 thousand bpd.
- (its proposed to be built on the basis of BOT or BOO system according to the amended law of refining crude oil numbered 64 for the year 2007)



Oil Storage Facilities:

- Bin Omar field for crude oil in Basra Province with a design capacity of 22x66000 m³ (first phase) and 9x66000 m³ (second phase).
- Mosul field for Petroleum Products/ Gasoline 4x10000 m³, Diesel Fuel 3x10000 m³ and Kerosene 3x10000 m³ in Mosul Province.
- Tuba field for Petroleum Products/ Gasoline 4x20000 m³, Diesel Fuel 2x20000 m³, Kerosene 3x10000 m³ and Jet fuel 2x50000 m³ in Basra Province.
- Aziziya field for Petroleum Products/ Gasoline 2x10000 m³, Diesel Fuel 1x10000 m³ and Kerosene 1x10000 m³ in Kut.
- Samara'a field for Petroleum Products/ Gasoline 4x2500 m³, Diesel Fuel 2x5000 m³ and Kerosene 2x5000 m³ in Saladin Province.
- project of supplying the joint sea water with a capacity of 5 million barrel/day in Basra Province.



Transportation Sector

Airports:

- Rehabilitation and development of Mosul International Airport.
- Estimated cost before 2014: 120 billion Iraqi Dinars.
- Estimated percentage of Damage: over 40% (based on the estimation preformed by specialized committees carried out at the end of 2017).

- Rehabilitation and development of Nasiriya International Airport, developing the Marshlands, and the Prophet Abraham Shrine.

Capacity: around 500 thousand passenger/y

Target capacity: 1 million passengers/y

Initial estimated cost: \$74m

Buildings include: passengers terminal, runway, yard, taxi, tower, firefighting center, electricity, air conditioning systems with all devices.



B. Railways:

- **First/** New railway line (Baghdad-Kut-Umara-Basra) and branch line (Kut-Nasriya-Shuaiba-Um Qasr)
Length: 910km
Number of lines: dual
Axial load: 25 ton
Passengers: 14 (million/year), Cargo : 35 (million/ton).
Estimated cost (USD): Land Acquisition/2.73 billion, execution /11.0 billion, total/ 13.73 billion.
- **Second/** Rehabilitation and development of the existing line (Baghdad – Diwaniya-Samawa- Basra)
Length: 610km
Number of lines: dual
Axial load: 25 ton
Passengers : 100 (million/year), Cargo: 70 (million/ton).
Estimated cost (million USD): 793.
- **Third/** Construction of Musaib- Karbala- Najaf – Semawa
Length: 228km
Number of lines: dual
Axial load: 25 ton
Passengers: 6 (million/year), Cargo : 2 (million/ton).
Estimated cost (USD): Land Acquisition/750 million, execution /2.4 billion, total/ 3.150 billion.



Fourth/ Construction of Basra- Shalamcha – Iran line

Length: 35km

Number of lines: single can be dual

Axial load: 25 ton

Passengers : 2 (million/year), Cargo : 10 (million/ton)

Estimated cost (USD): Land Acquisition/135 million, execution /500 million, total/ 635 million.

Fifth/ the railway line (Mosul-Duhuk-Zakho-Turkey)

Length: 160km

Number of lines: dual

Axial load: 25 ton

Passengers :1 (million/year), Cargo : 55 (million/ton)

Estimated cost (USD): Land Acquisition/450 million, execution, /2.157 billion, total/ 2.607 billion.

Sixth/ The railway line (Baghdad-Baquba-Kirkuk-Erbil-Mosul) and branch line (Baquba-Khanaqeen-Munthiriya-Iran)

Length: 700 km

Number of lines: multiple

Axial load: 25 ton

Passengers: 6 (million/year), Cargo : 20 (million/ton)

Estimated cost (USD): Land Acquisition/1.650 billion, execution /7.0 billion, total/ 8.65 billion.



C.Highways

1.Rehabilitation and development of the existing roads

2.Construction of highways next to the existing ones (on the sideways).

Estimated cost for the new highways is \$3m /km, while rehabilitation cost for the existing ones is \$1m/km (one third of the new one cost). estimated cost to add 2 pathways to each side of the road is \$2m/km, including:

- Rehabilitation and development of the 580km Baghdad–Basra highway ,
- Rehabilitation and development of the 570km Baghdad-Mosul- Rabeaa-Feshkhaboor highway
- Rehabilitation and development of the 180km Baghdad-Baquba- Iranian border (Al Munthiriya) highway
- Construction of the 250km Baghdad- Kirkuk highway

3.Sub roads (Secondary roads)

- Rehabilitation of Bismaya- Baghdad- Muhamed Al Qasim highway, 25km
- Building the Dora- Yousfiya road and connecting the two –story bridge with Al Dora highway Baghdad- Basra 14km
- Building Al Madaeen Bridge (connecting Baghdad -Kut- Bismaya road to Baghdad- Basra highway passing through Madaeen) 21 km



D. Subway

1. Baghdad Metro

The project consist of two lines with total length of 46km. it has 47 station, two locomotive garages on both lines, and three power transferring stations.

- The first line (23km 25 station) starts from the main locomotive garage north east of Baghdad through (10*10) project location – previously, to Al Sadir city crossing Al Thawra St. heading to Baghdad center to Al Jimhoriya St. to its final destination Antar Sq.
- The second line (23km 22 stations) starts from south east of Baghdad near Aqaba Bin Nafee Sq. – Sadoon St. City center, crossing the Tigris to reach Al Faris Al Arabi Sq. forming two branches, one to Al Mansoor and the other to Al Bayaa where the second locomotive garage is located.
- The project can provide comfortable and efficient transportation services to 250 thousand passenger/h in all stations.
- Ministry of Transportation contracted a number of specialized consulting companies in the mid-seventies to conduct a study regarding Mass Transit that resulted to using tracks according to the feasible study done in 1978 (Feasibility study and Preliminary Design of an integrated Transport System within the City of Baghdad)
- A contract was signed with Sestra Co. (French), one of the specialized international companies, to conduct the initial designs and the tender documents under the title (Technical, Legal and Contractual Requirement for Baghdad Metro Project)
- The estimated cost of the project including detailed designs and execution of the two lines excluding extensions is €5.7b which is roughly \$6b according to the French Co. feasible study adding to that \$2b for acquisitions, total cost will be \$8b. EPC document was based on turnkey delivery system.



2. Baghdad Mono Rail

A vital project with good financial revenues, prepared by French Alstom Co.

Estimated cost: \$ 1.5b

Duration: 5 years

Project purpose: to solve traffic jams and improve services in Baghdad.

Phases, locations, implementation lines in Baghdad

Phase one: 15.5 km, Kadhmiya- Al Sadir City- Shaab, with 12 internal station and crossing the Tigris

Phase two: 4.45km, the International Station in Alawi- Utaifiya with two internal stations.

3.Mono Rail in Holly Karbala Province

This project is considered to be one of the major strategic projects in Holly Karbala Province for its importance in resolving the transportation problem of visitors coming to the Holly city. The project starts from the station Bada'at Aswad in Al-Husainiya District and going toward the Baghdad road taking the middle path of the main road toward Bab Twerej and passing through Al-Salam bridge and then through Al-Ibrahimiya station.

Length: 18 km/ dual line/ 20 passengers stations.

Estimated cost: 450 million dollars.

4. Basra Metro

This project is considered to be one of the major strategic projects in Bsra Province for its importance in resolving the transportation problem.

The metro contains 5 main lines with 35 main and branch lines

First line: Sa'ad square- Basra University-can be extended to the city center.

Second line: sa'ad square-Zubair-can be extended to Safwan

Third line: Sa'ad-Al-Ashar-Shalamja

Fourth line: Sa'ad square-Abu Al-Khaseeb-Faw

Fifth line: Sa'ad square-14th July street-presidential palaces.



E. Ports

Grand Port of Al Faw

Type of project: new

Project cost: \$6b

Location: Basra

Design capacity:

Phase one 2018: containers: 24 million ton/year, unpacked materials/ 24million ton/year

Phase two 2028: containers: 40 million ton/year, unpacked materials/ 32 million ton/year

Phase three 2038: containers: 70 million ton/year, unpacked materials/ 44 million ton/year

The project includes:

- Eastern breakwater 8km
- Western breakwater 15km
- Two lines for containers berth 3.5km each 12 berth to each line total 24 containers berth and area for containers storage.
- 13 Berths for unpacked materials (grains, cement..etc.) 3.5km with conveyor belts
- Berths for Oil products export and import (outside the port basin)
- Roads and railways
- Area for buildings and trucks (around 4km²)
- Navigational channel 30km length, 17m depth.
- Berths for various goods 4.5km (22berths)
- industrial zone (approximately 8.5km²)
- depth in the port basin is 15-17 m



- Al Faw Port Economic Zone

Suggested area 2400 ha including:

- refinery 300000 bpd
- petrochemicals plants 1.5m ton/year
- tanks zone
- power station 500MW
- fertilizers, cement, steel, glass plants
- premises, services and infrastructure
- 1400 ha for warehouses, housing units, training centers, commercial center.

Roads/ establishing railways to Al Faw:

- Improve roads leading to Basra
- Establish a pipe line and connect it with the existing one.
- **International investments cost for the industrial zone is \$2.5b.**



Third . Special Economic Zones:

1. Huteen zone/ Babylon Province for medium & heavy engineering manufacturing.

Huteen is located in Babylon Province/ Eskandariya city near the State Co. for Mechanical Industries and the State Co. for Automobiles.

1. 40 km to the north of Hilla city center, 50 km to Baghdad city center.
2. 550 km to Basra city and its ports
3. 10 km east to the Euphrates
4. 12 km to the north of Al Musaiab thermo electricity station
5. Total area is 15000000 m², around 6000 donum in addition to branch streets within the site.
6. Sewage, water pipes, electricity and facilities are available with limited damages.
7. 45 big area warehouses protected with earth embankment for highly immunized products.

2. Mid Euphrates zone in Dewaniya, 1500 donum for agricultural industries (agro- industry) including dairy products, fruits, vegetables and meat processing and canning.

3. Fine Machining zone in Nineveh (Al Kindi Co., site or Jabir Bin Hayan Co. site). One of the sites to be selected to produce machinery and equipment for medium and small projects such as valves and pumps.

4. Baghdad zone (near BIAP) for advance technologies (Smart city).

The smart city shall provide various activities for interested people in information technology, entertainment and social technologies. It also includes a training center, weekly gathering of professionals and specialists, meetings and scientific debates halls, computer courses for children, restaurant and coffee shop, markets for electronic devices, internet services center, a training center to develop human skills, a museum for communication devices and post stamps representing Iraq's history, halls for investing companies, halls for simulating modern training technologies, a hotel for the visitors and many other services.

Fourth: Housing Sector:

A. First phase/ building 25 thousand housing units in each province for low/ medium income citizens in addition to low cost housing for limited income people including the infrastructure (water, electricity, sewage, gas and telecommunication).

An economic design was selected for the Investment Housing Project in Maysan Province 2017 to build 4000 housing units in Umara City.

B. The New Karbala City Project

Area/ (15) Million m², it includes (136) various investment opportunities.

Establishing an integrated city in terms of services (vertical and horizontal housing units-hotels-shopping center-educational sector-recreational-sport-banks-Islamic science office-conference hall).

Karbala Downtown Development(area: 750 dunam) near the holly shrines, could be developed into housing complex, multi-storey garage, commercial center and tourists areas.

C. Dhifaf Karbala Project:

Estimated cost: \$6b

40 thousand housing units as phase one aiming at 85 thousand in addition to commercial centers, recreational centers and social services.

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Medium-size Projects

First: Engineering and Construction Industries Sector

A. Rehabilitation and development of white cement plants in Falluja.

- Area: 642000m²
- Production capacity: 290000 ton/year for the two lines. Production capacity can be increased to 350000 t/y
- Cost for Rehabilitating and operating is \$12.800.000
- Experienced staff is available to operate the plant

The plant (which is the only one in Iraq that produces white cement) is not working at the present time. Cement plants in Kubaisa, Qaim, in Anbar and Badoosh, Sinjar, Hamam Al Alil in Mosul are going through damage assessment by special committees (for the damages that occurred during 2014-2017).



B. Rehabilitation and development of glass plants in Ramadi

- Multipurpose raw glass (13 type of glass), such as glass for buildings, automobile and mirrors
- Iraq's need for float glass is doubling annually. The current estimate of 1500 t/d covers the local market. The unique location of the plant is suitable for exporting this product to the neighboring countries as raw or final product.
- Target production capacity: 500000 t/y to be divided into two phases according to market capacity and required types.
- Annual production cost in full capacity to produce 700 t/d is around 94 b ID.
- Return %16
- It is possible to establish a float glass plant in Karbala and Muthana provinces.

C. Rehabilitation and development of engineering plants in the Ministry of Industry and Minerals such as Al Nassir and Al Simood Co., Ibn Majid, The Heavy engineering equipment Co. (Ministry of Oil) and The Mechanical industries in Eskandariya to cover the needs of the oil & gas, electricity and heavy industries sectors for tanks, heat exchangers, valves, pipes, pumps, poles and cranes and other products the rehabilitation and development of these factories require new production lines as well as supporting infrastructure.



D. Caustic Soda project/ Chlorine/ Samawa/ which includes the production of caustic soda, chlorine, Hypochlorite and Hydrochloric Acid.

- Area: 50 dunam
- Production capacity: 40-50 ton/per day
- Cost : 40 Million Dollars.

E. Sodium Carbonate project/Samawa/ produces Sodium Carbonate and Bicarbonate.

- Area: 100 dunam
- Production capacity: 50000 t/y
- Cost : 50-60 Million Dollars.

F. Sodium Sulfate projects/Samawa

- Area: 25 dunam
- Production capacity: 10 ton/per day
- Cost : 20 Million Dollars.

Second: Commercial Sector

Construction of (12) cilos (grain storage) with flour mills in different provinces with a storage capacity of 60 thousands ton to 100 thousand ton each noting that there are special areas allocated for this purpose.



Third: tourism and recreational Sector

A. Recreational zone in Diyala (the old camp near Al Khalis + Himreen and Udhaim lakes).

Located near Al Khalis town and Al Udhaim Dam and Himreen Dam Lakes, plot no. 87/ Q 77 50km north of Baquba city.


The location connects with the north of Iraq and Turkey from one side and Baghdad from the other side, it is also close to Al Mansoriya airport and the gas field in the area in addition to Himreen and Udhaim lakes.

B. Rehabilitation and development of Habaniya resort and build a new resort in Razaza Lake.

Area: 16000 donum on the shores of Habaniya lake.

The project includes renewing the hotel and 200 Chalet with modern architectural requirements, Luna Park and marina, restaurants and a large tent. The lake beach should be developed in accordance with international standards. The estimated cost for the first phase of the project is \$25 million.

It is intended to expand the town activities to include tourism, culture and media centers aiming to make it suitable for art and cultural festivals by providing a climate suitable for these activities throughout the year, therefore the rehabilitation plan should include closed and open theaters, halls, guest houses, cinemas, media city, and TV channels.



Fourth: Health and Education Sector

- Karbala University Hospital/ 600 bed capacity/ partially finished in different percentages.
 - Mosul University Hospital/ 600 bed capacity/ partially finished in different percentages.
 - Ibn Sina University Hospital/ 600 bed capacity/ partially finished in different percentages. (Baghdad)
 - Public hospital/ 400 bed capacity/ in Kut/ partially finished in different percentages .
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- **Build a University Hospital in Anbar Province**
 - Project description: build a University Hospital with a bed capacity to be determined later, located at the University it includes different medical specialties based on the latest international standards on a piece of land (area: 250000)m2.
 - Project objective: providing medical services for people as well as providing job opportunities along with being used for educational purposes.
 - **Location:** Ramadi



- Build a cyclotron for cancer therapy.

Project description : build small cyclotron along with its small nuclear facilities and connect it to the existing (Pet Scan) device at Al-Nahrain University.

Project objective: to provide an integrated service to examine cancer patients, once its provided it will be the only place in Iraq that provide such service in addition to being used for educational purposes.

- Build a University Teaching Hospital in Babylon Province

- Project description: the project includes building a University Teaching Hospital on a piece of land (17500) m2.
- Project objective: to provide medical services in accordance with latest international standards along with being used for educational purposes.
- Location: Hilla

- Build a University and Teaching Hospital

- Project description: build a university that focuses on medical specialties in addition to establishing a public hospital on a piece of land (17500) m2.
- Project objective: to build a new university by creating a twinning programs with international universities through investment as well as providing various medical services by building a public university hospital and also to be used for teaching purposes.
- Location: Baghdad



Fifth: Research Centers

A. Building a research and manufacturing center specialized in solar cells.

- Project description : constructing a center for research and manufacturing producing solar cells on a piece of land.
- Project objective: to supply the market with solar cells in order to provide clean alternative energy that protect the environment to be utilized in scientific research.
- Location: Baghdad

B. An integrated agricultural incubator (for research purposes)

- Project description: raising bulls, slaughter house, meat canning factory, poultry farm (eggs and meat), hatchery, feed stock factory, animal sperm production center, veterinary injections center, veterinary hospital, a farm for raising cows (milk production), dairy factory, agricultural fields for green feed, honey production, laboratories, tissue culture and other facilities related to the project on a piece of land (area: 1200) dunam which equals 3 million m².
- Project Objective: to provide the market with animal products (meat, eggs, dairy products, honey and feedstock), in addition to other agricultural services and create job opportunities.
- Location: Baghdad

C. Advanced Technological incubator for internationally developed technologies

Project description: the project focus on implementing innovations and patents in addition to providing developed technologies and intelligent technology in educational institutions in Iraq on a piece of land (area: 10) dunam which equals (25000 m²).

Project objective: to sponsor the innovator and creators of ideas as well as to develop the intelligent education in Iraq.

Location: Baghdad



Sixth. Agricultural Sector:

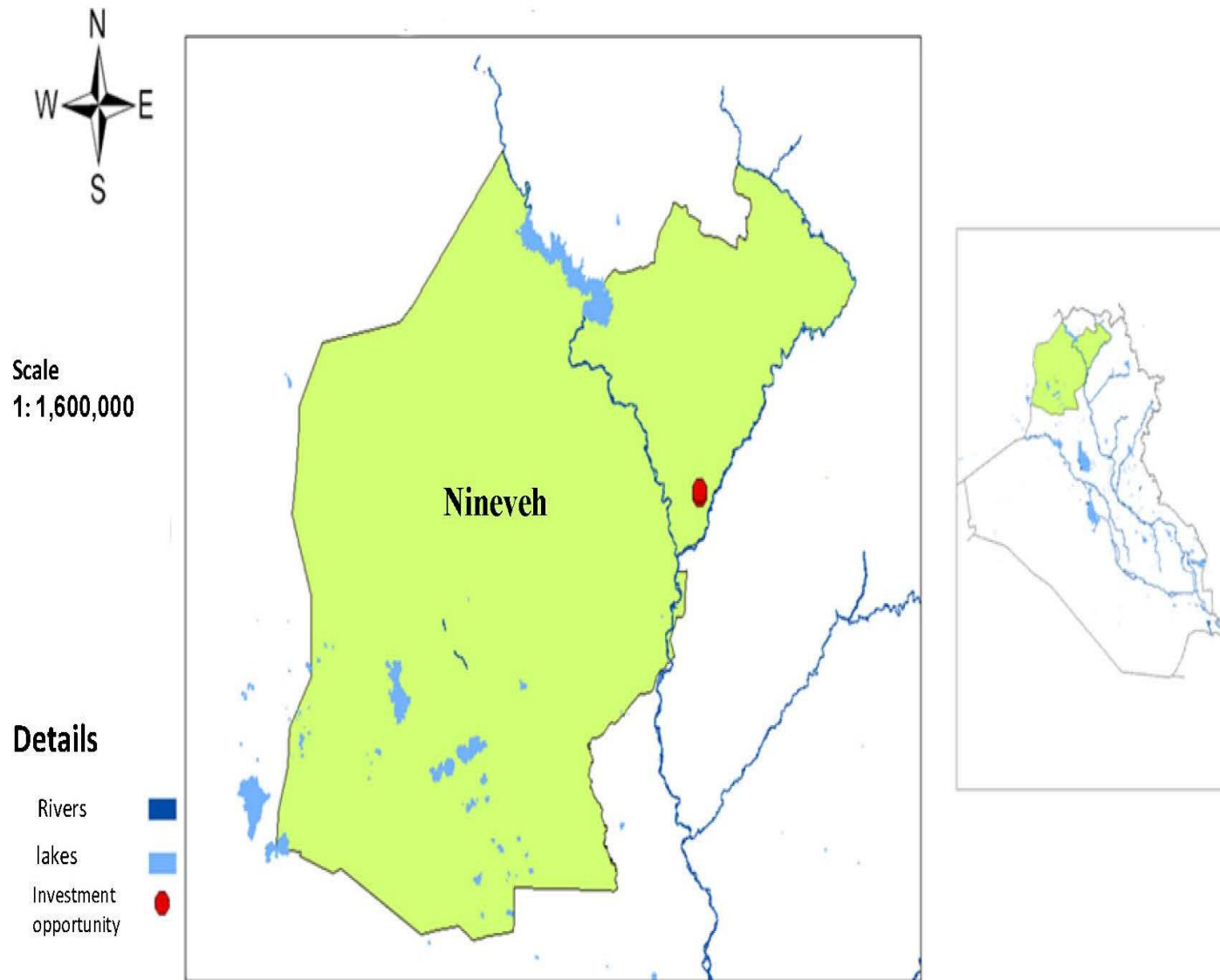
Attached all details for Investment Projects in agriculture in Nineveh, Saladin, Anbar, Wasit, Holy Najaf, Dewaniya, and Thi Qar, provinces for strategic crops. Total area is around 1.5 million donum for local need and the rest for export.

Table shows the number and area of investment opportunities in Iraqi provinces for 2017-2018

No.	Province	Number of opportunities	total area for investment / donum
1.	Nineveh	3	8300
2.	Saladin	7	23255
3.	Anbar	5	245415
4.	Wasit	36	395148
5.	Holy Najaf	1	700000
6.	Dewaniya	24	91188
7.	Thi Qar	10	29908
Total		86	1493214



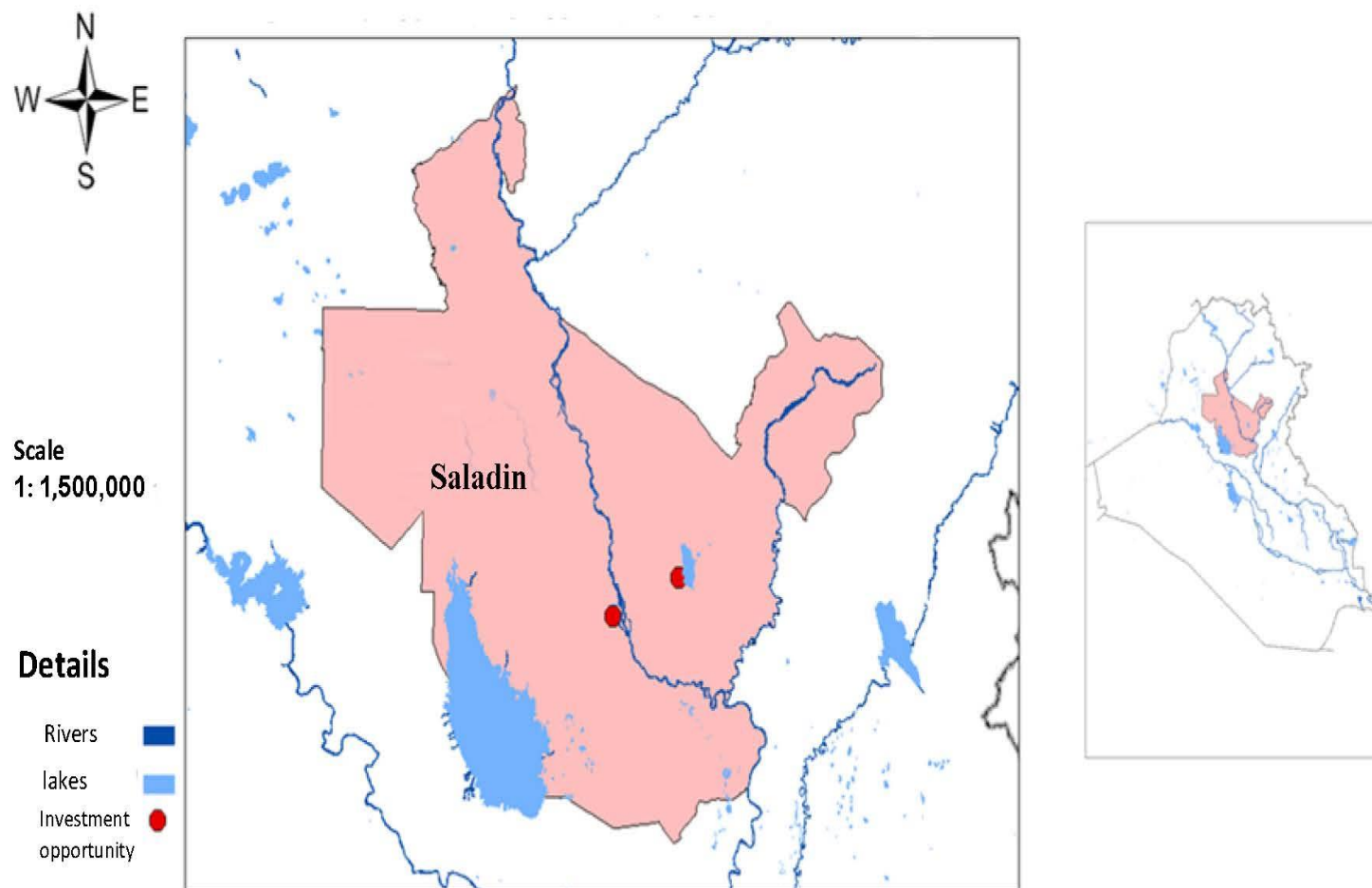
Agricultural Investment opportunities in Nineveh 2017-2018



Predisposing land for Agricultural Investment in Nineveh Province for 2017-2018

Seq.	District / Township	County No. / Plot No.	Area / dunam	Type	Availability of water share/ source	Ground waters depth	Soil Analysis PH- type	Groundwater validity	Location from irrigation projects	Coordinates x y	Notes
1	Singar – Center	1/18 Sito	200	Rocky / woods	Not available/ Wells	Less than 100m	9.6- Gypsum	2500 Milimosz	90km from Al Jezeera	X: 429180 Y: 3621550	Allocated for livestock projects
2	Singar/ Al Qairawan	½ /19 Um Al Shababeet	100		Not available/ Wells	80-100 m	9.7- Gypsum	More than 2000 milimosz	90km from Al Jezeera	X: 429100 Y: 3621500	Allocated for livestock projects
3	Singar – Center	18/ 85 Singar mountain	8000		Not available/ Wells	100-120m	8.5 Calcic	Less than 2000 milimosz	90km from Al Jezeera	X: 442000 Y: 3621410	Allocated for woods
Number of opportunities	3	Total area	8300								

Agricultural Investment opportunities in Saladin 2017-2018



Note: 5 investment opportunities with unavailable Coordinates

Predisposing land for Agricultural Investment in Saladin Province for 2017-2018

Seq.	District/ Township	County No. / Plot No.	Area / dunam	Type	Availability of water / source	Method of irrigation	Groundwater depth and validity	Analysis of soil		Coordinates x y	Location from irrigation projects	Notes
								PH		soil Type		
1	Tikrit/ Al Alem	1/ 52 Al Akooz	1800	Agriculture	Not available / wells		100m	-	-	-	-	Currently oil and Military zone
2	Aldoor	47-48- 49-50- 71/ 78 Swaida	10000	Agriculture- sandy	Not available / wells		100m	-	-	-	-	Currently Military zone
3	Aldoor	97/74 Um Jidah	5000	Agriculture	Not available / wells		100m	-	-	X: 415159 Y:32025297	-	Currently Military zone
4	Al Dejail	1/14 - 23/ Al Jezeera	3000	Agriculture	Not available / wells		4 m/ suitable		Sandy		Far	Currently Military zone
5	Al Dejail	80/8 Qanater Abo Al Hassan	15	Agriculture	Not available / wells		25m/ unsuitable		Muddy		Far	Currently Military zone

6	Tikrit/	1/ 9 Al Jezeera	2000	Agriculture	Not available / wells		100m	-	-	-	-	Currently Military zone
7	Samara/ Dijla	40/ 11 Al Mijjala	1440	Agriculture	Not available / wells		100m	701	Gypsum	X: 388648 Y:3790605	FAR	Currently Military zone
Number of opportunities			7									
Total Area			23255									

Letters by the Directorate of Agriculture in the province of Saladin, No. 12131 on 28/11/2016

Agricultural Investment opportunities in Anbar 2017-2018



Scale

1: 3,500,000

Details

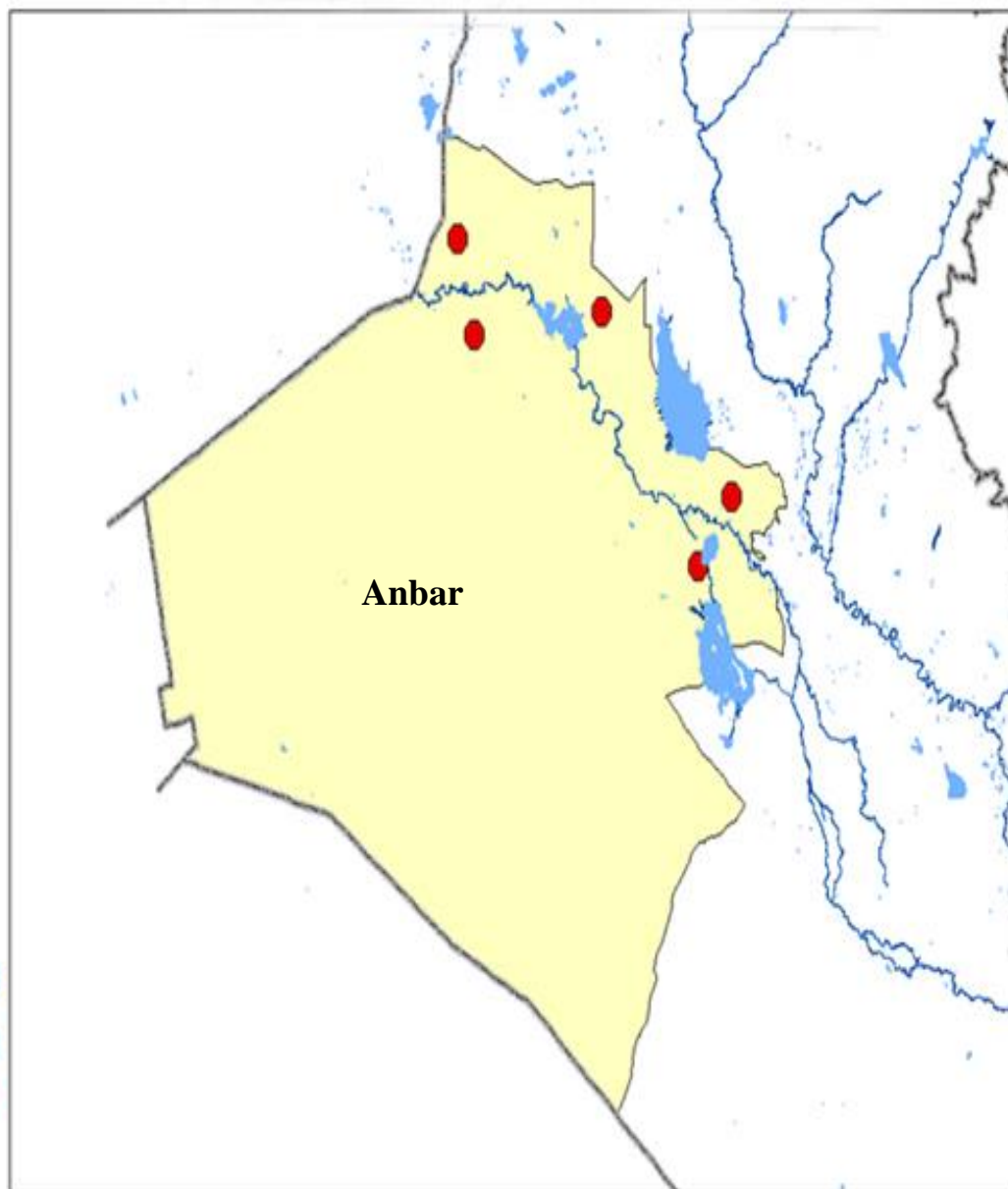
Rivers



lakes



Investment
opportunity



Predisposing land for Agricultural Investment in Anbar Province for 2017-2018

No	District/ town	County No.	Plot No.	Area / dunam	Type	Availability of water share	Water source	Method of irrigation	Depth of underground waters	Analysis of soil		Validity of underground waters according to international & local stander	Location to irrigation projects	Coordinate s x y	notes
										PH	soil Tissues				
1.	Qaem	24/Kalban al-Tayara And 22/dayoom al- Der	1/49 And 27	107200	desert Lands	Unavailable	-	-	-	7.78	Mixed sandy	-	outside	X/ 166909 Y/ 3843882	-
2.	Qaem	20/Western Dayoom Jibab	43	116000	desert Lands	Unavailable	-	-	-	7.27	Mixed	-	outside	X/ 179951 Y/ 3793720	-
3.	Hdeetha	71/Dayoom , the middle island	1	14000	desert Lands	Unavailable	Undergr ound waters	wells	30 meters	6.66	Mixed sandy	invalid	outside	X/ 0279047 Y/ 3805631	-
4.	Al-Khalidiyah Habaniya	47/Haswat al-Shamiyah	2	1215	Rocky lands	Unavailable	Undergr ound waters	wells	15 m (salty) 25m (less salty)	7.65	Mixed sandy	invalid	outside	X/ 0353717 Y/ 3673662	
5.	Faluja/ Saqlawiya	36/Al- Jabal	4/5094	7000	desert Lands	Unavailable	Undergr ound waters	wells	Shallow	8.4	Mixed Clay sandy	invalid	outside	X/ 0379659 Y/ 3709765	High gypsu m rate 42%
Total area				245415 dunem											
Total number				5											



Agricultural Investment opportunities in Wasit 2017-2018



Scale

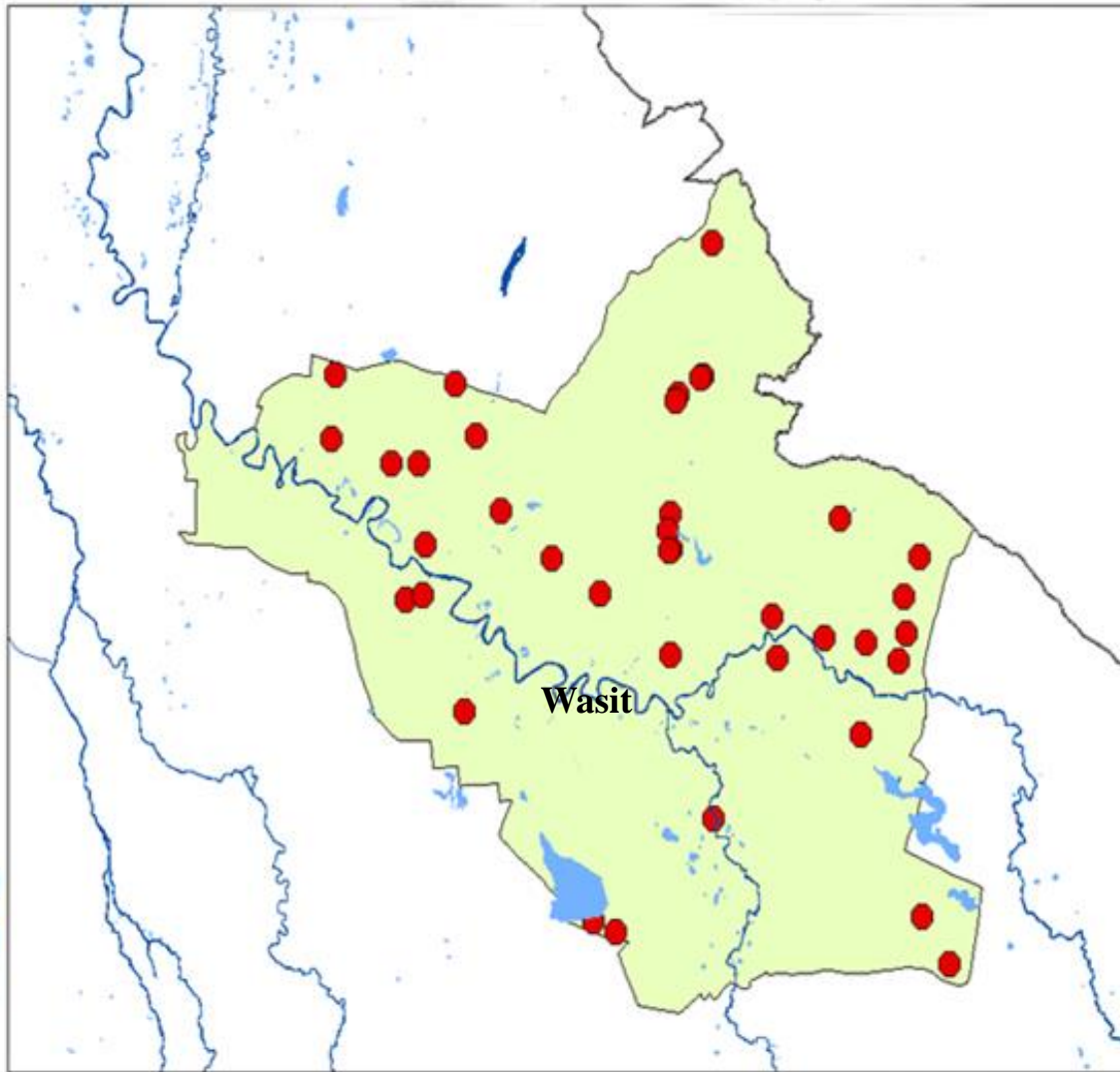
1: 1,200,000

Details

Rivers

lakes

Investment
opportunity



Predisposing land for Agricultural Investment in Wasit Province for 2017-2018

No.	District	town	County No.	Plot No.	Area / dunam	Type	Availability of water share	Source of water	Method of irrigation	Analysis of soil		Coordinates X Y	notes
										PH	soil Tissues		
1.	Azezia	Centre	34/Jazera	191/1	5932	Agricultural	Un Available	-	Means	3.8	Clay	524392 3664083	
2.	Azezia	Center	23/Jazera	67/1	5	Agricultural	Un Available	-	Means	7.6	Clay	509036 3647530	Area reduced from 35 to 5
3.	Essouira	Al Zobaidia	13/Saysabana	6/1	12	Agricultural	Un Available	-	Means	7.4	Clay	512318 3619156	
4.	Nu'mania	Centre	33/Jazera	1/46	5900	Agricultural	Un Available	-	Means	7.6	Clay	548086 3627869	
5.	Nu'mania	Centre	30 Bezaiz & 32 jazera	9/2 and 1/10	95	Agricultural	Un Available	-	Means	-	-	526682 3596068	
6.	Badra	Jassan	21/Mweleh	1	3600	Agricultural	Un Available	-	wells	7.3	Clay	576889 3636937	
7.	Badra	Jassan	27/Jazera	1/18	100000	Agricultural	Un Available	-	wells	-	clay	576362 3633511	

8.	Badra	Jassan	33/Al Hor	2/6	49000	Agricultural	Un Available	-	wells	-	Celtic Clay	577358 3629557	
9.	Badra	Centre	16/ Sajla & Sabkha	1	800	Agricultural	Un Available	-	wells	8.5 8.4	Celtic Clay	584743 3665664	
10.	Badra	Centre	16/ Sajla & Sabkha	3	30000	Agricultural	Un Available	-	wells	7.2	Celtic -Clay	584143 3665245	
11.	Badra	Zurbatia	8/Hashema	8	33000 & 1200 Sporadic	Agricultural	Un Available	-	wells	7.6 7.6	Clay	578816 3662630	750 dunam saved for Cement factory excluded
12.	Kut	Shekh Sa'ad	46/Ramadan Ajer	1	26200	Agricultural	Un Available	-	means	7.3	Celtic Clay	632612 3606647	
13.	Kut	Shekh Sa'ad	45/Ramadan Ajer	1	11470	Agricultural	Un Available	-	means	7.7	Mixed	634482 3612307	Promote Ema Co. papers (Brazil)
14.	Kut	Shekh Sa'ad	38/Sayed Mohamed	1	832	Agricultural	Un Available	-	means	7.3	Clay	633713 3619964	Promote Ema Co. papers (Brazil)
15.	Kut	Shekh Sa'ad	45/um Al Jaradi	1	20501	Agricultural	Un Available	-	means	7.4 to 8.5	Sandy Clay	637531 3628153	Promote Ema Co. papers (Brazil)

16.	kut	center	30 Shwaija	325/1 116 to 129/1	59555	Agricultural	Available	-	Means	7.4	clay	559703 3620412	Area reduced from 80000 to 59555
17.	Alhay	Mowafaqia	22/ Tarat Efaj	1/14	1050	Agricultural	Available	-	Means	7.1 7.8	Celtic Clay	0587302 3573905	
18.	Kut	Dejela	5/Hamedia & Jalebia	7/2	6	Agricultural	Available	-	Means	7.7	Celtic Clay	623184 3591212	
19.	Kut	Dejela	15/Hor kharab	5	4725	Agricultural	Available	-	means	7.6	Celtic Clay	0638113 3553540	
20.	Kut	Dejela	15/Hor kharab	7/6	9155	Agricultural	Available	-	Means	7.8	Celtic Clay	644943 3543497	
21.	Al Hay	center	24Khamesia	1/8	120	Agriculture	Unavailable	-	means	7.5	clay	576655 3629257	
22.	Al Azizia	Al Deboni	34 Jazera	1/191	8000	Agriculture	unavailable	-	means	7.6	clay	535543 3637694	
23.	kut	Shikh Saad	31/Salty Ramth	2/1	900	Agriculture	unavailable	-	means			618302 3636154	
24.	Al Azizia	Al Azizia	34 Jazera	191/1	966	Agriculture	unavailable	-	means			578129 3660399	



25.	Al Azizia	Al Azizia	34 Jazera	191/1	1600	Agriculture	unavailable	-	means				Palestine revelation lands approved to be announced as an investment opportunity
26.	Badra	Zurbatia	8/ Hashima	8	70	Agriculture	unavailable	-	means			587071 3693372	
27.	kut	center	30 Shiwaija	325/1	513	Agriculture	unavailable	-	means			576796 3607743	
28.	Numaniya	Ahrar	5/ Abo Jabir	316/1	1	Agriculture	available	-	means				Mushroom project
29.	Numaniya	Ahrar	42/ Fhayl	4/1	500	Agriculture	unavailable	-	means			558313 3552496	
30.	Al Azizia	Zubaidia	10/Sharqi Taweel	5/2	200	Agriculture	unavailable	-	means			516584 3620203	
31.	Al Azizia	Debino	29 western Shadheef	10/32 11/32 12/32 13/32	980	Agriculture	unavailable	-	means			515937 3630776	
32.	Al Sewara	Taj Al Deen	21 Al Jezeera	401/1	1700	Agriculture	available	-	means			495399 3665820	Run by State real- estate office, now investment opportunity

33.	Al Azizia	Al Azizia	34 Al Jezeera	191/1	1600	Agriculture	available	-	means				Palestine revolution land, now granted for investment
34.	Kut	Shaikh Saad	1/ Al Uoja	1	1000	Agriculture	available	-	means			603046 367112	
35.	Kut	Shaikh Saad	45 / Ramadan Ajir 39 Al Beda 38 Gheriba east	1	12920	Agriculture	available	-	means			624625 3610196	
35.	Kut	Shaikh Saad	1	15 west masnak 16 east masnak	3040	Agriculture		Tigris river	Means	7.5	Mixed	629690 3588401	
Total			395148 dunam										
Number of opportunities			36										



Agricultural Investment opportunities in Holy Najaf 2017-2018



Scale
1: 1,800,000

Details

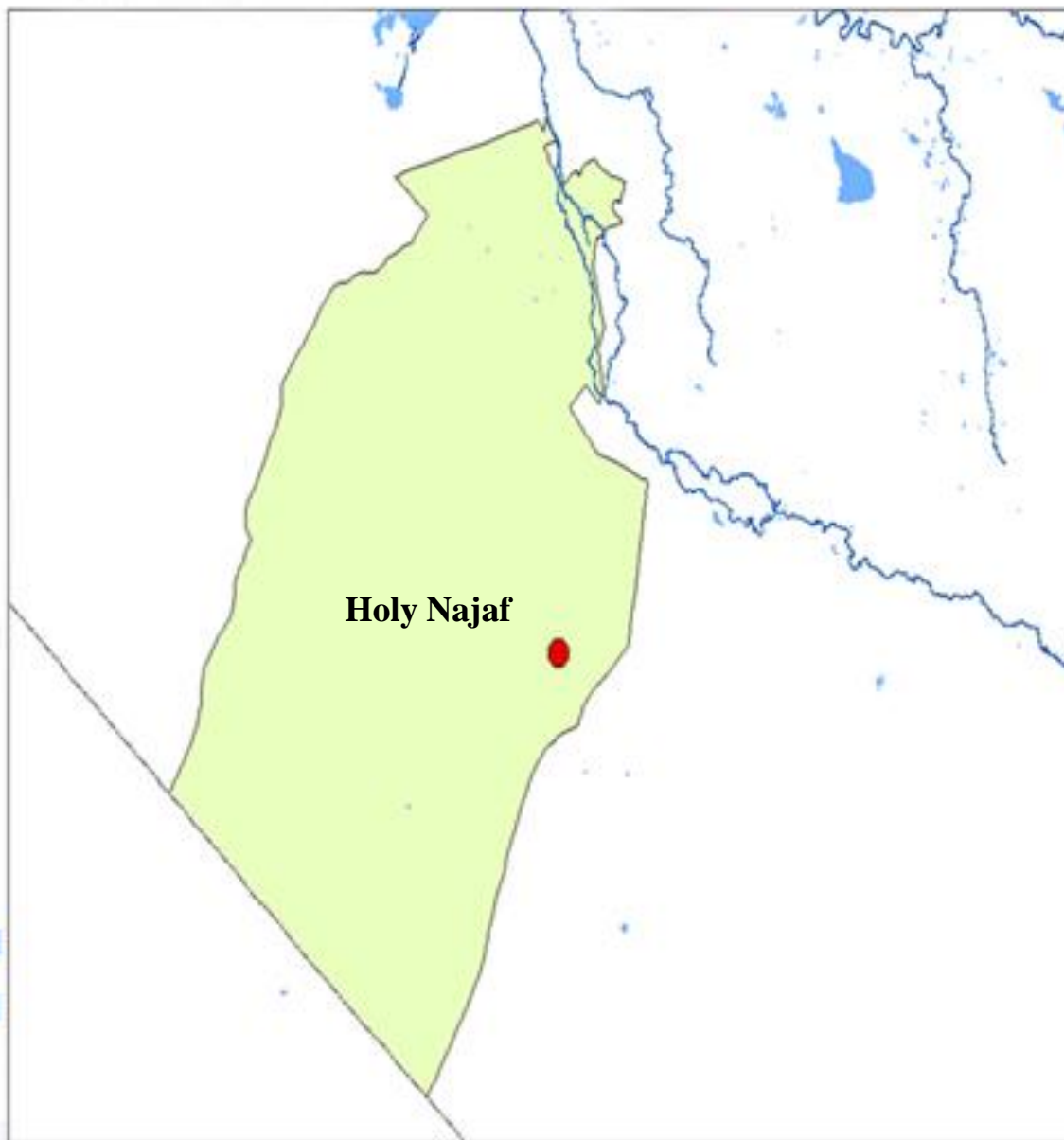
Rivers



lakes



Investment
opportunity



Predisposing land for Agricultural Investment in Holy Najaf Province for 2017-2018

No.	District	town	County No.	Plot No.	Area / dunam	Type	Availability of water share	Source of water	Method of irrigation	Analysis of soil		Coordinates X Y	notes
										PH	soil Tissues		
1.	Najaf	Shabaka	1	1	70000	Agricultural	Agricultural	Share of water is not available	Groundwater	440000 3427000	7.5 - 6.5	Mixed interspersed with some flooding and areas of gypsum	Enough water
Total							70000 dunam						
Number of opportunities							1						



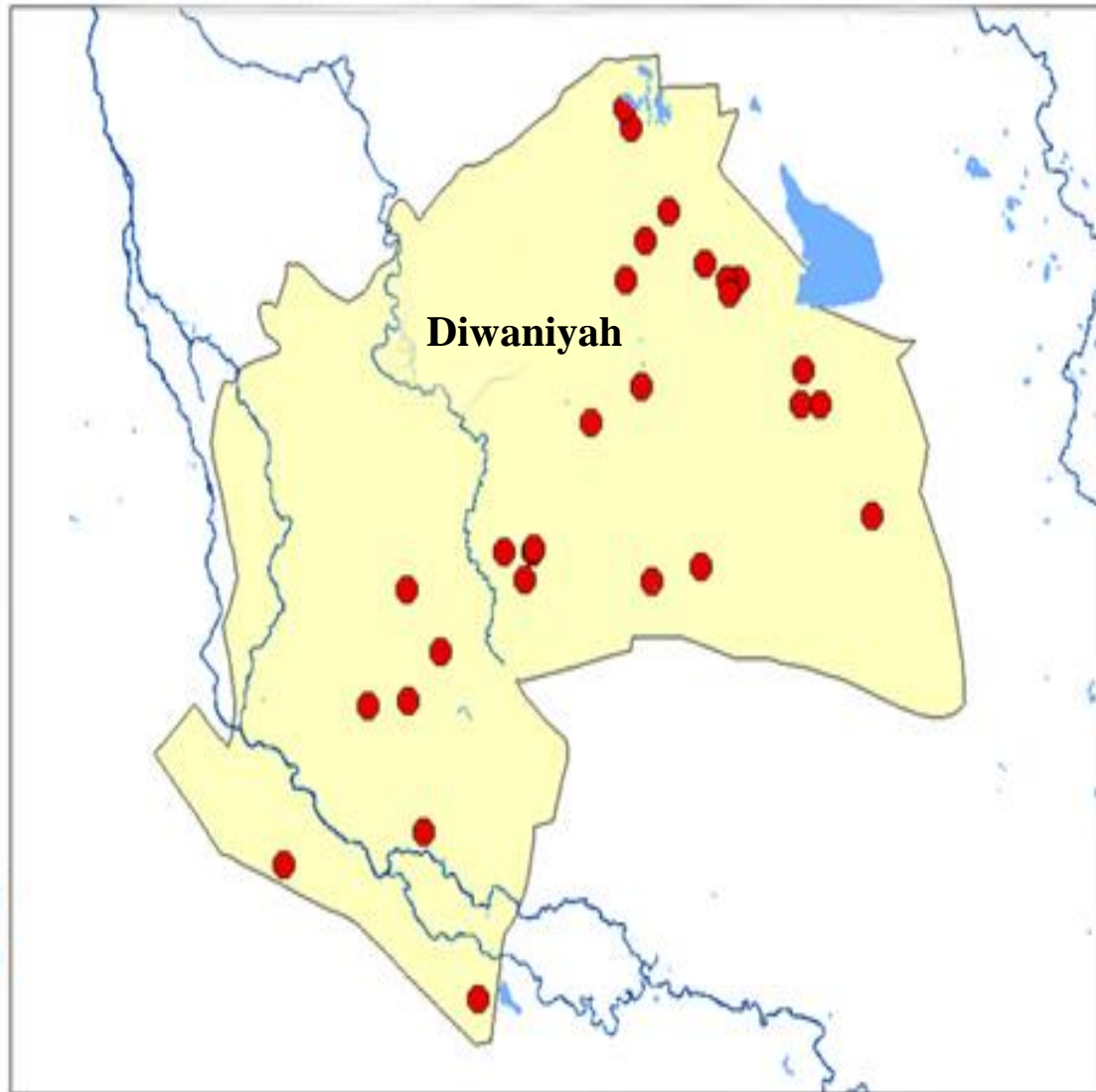
Agricultural Investment opportunities in Diwaniyah 2017-2018



Scale
1: 791,092

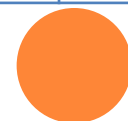
Details

- Rivers
- lakes
- Investment opportunity



Predisposing land for Agricultural Investment in Diwaniyah Province for 2017-2018

No.	District	township	County No.	Plot No.	Area / dunam	Type	Availability of water share	Source of water	Method of irrigation	Depth of underground waters	Analysis of soil		Validity of underground waters	Coordinates x Y	Location	notes
											PH	soil Tissues				
1.	Afak	Afak	26 Afak	1/1	3000	Agriculture	Unavailable	wells	wells		8.1	mixed		5380870 3556095	Outside	
2.	Afak	Afak	26 Afak	1/1	950	Agriculture	Unavailable	wells	wells		8.1	mixed		53804 3558050	Outside	
3.	Afak	Afak	26 Afak	1/1	425	Agriculture	Unavailable	wells	wells		8.1	mixed		536647 3554362	Outside	
4.	Al Hamza	Al Shanafya	3/ Al Masudia	23/1	1725	Agriculture	available	Euphrates	Wells		7.8	clay	invalid	478348 3501561		
5.	Al Hamza	Al Shanafya	6/ Al Akrokiya	1	1099	Agriculture	Available	Euphrates	Surface irrigation		7.8	sandy	valid	487308 3485515		30 km to city 15 km to roads
6.	Al Hamza	Al Shanafya	11/Al Rekbaniya	1	6000	Agriculture	Unavailable	Underground waters	Wells	40-50	7.9	sandy	valid	496106 3464235		40 km to city 3 km to road
7.	Al Hamza	Al Hamza	8. Aziz Alla	1/10	399	Agriculture	Available	Irrigation canals	Surface irrigation		8.4	clay	invalid	490082 3508484		



No.	District	township	County No.	Plot No.	Area / dunam	Type	Availability of water share	Source of water	Method of irrigation	Depth of underground waters	Analysis of soil		Validity of underground waters	Coordinates X Y	Location	notes
											PH	soil Tissues				
8.	Al Hamza	Al Hamza	Abo Hasheesh/9	2/10	590	Agriculture	Available	Irrigation Cannels	Surface irrigation		7.9	clay	invalid	494766 3502203		
9.	Al Hamza	Al Sadeer	6/Imam Al Deen	1/34	250	Agriculture	Available	Irrigation Cannels	Surface irrigation		8.1	clay	invalid	484515 3516400		
10.	Al Hamza	Al Shanafya	10 hor alla	313	3300	Agriculture	available	Euphrates	means	5 m	7.8	mixed	valid	520875 3575450		
11.	Afak	Nefer	27/Shat Al Nile	1	1266	Agricultural	un Available	General water point	Wells	5-8	8	Mixed clay	invalid	522420 3542450		
12.	Afak	Nefer	25/Al Badaa	1/9	732	Agricultural	un Available	General water point	Wells	5-8	8.2	Mixed clay	invalid	526800 3564760		
13.	Afak	Nefer	14/ Alwa and Antakiya	20/9	182	Agricultural	un Available	Underground water/	Wells	8m	8	Mixed clay	invalid	514240 3537800		
14.	Afak	Nefer	27/Shat Al Nile	1, 11,6, 7	5100	Agriculture	Available	Irrigation project	Surface irrigation	8m	8.2 To 10	Mixed clay	invalid	523123 35610783		
15.	Afak	Nefer	27/Shat Al Nile	6	1000	Agriculture	Available	Irrigation project	Surface irrigation	8 m	7.9	Mixed clay	invalid	520050 3555950		
16.	Al Hamza	Al Shanafya	12/ Al Asra	1/ 136/4 36	26680	Agriculture	unavailable	wells	Surface irrigation	40-50	-	sandy	invalid	464626 3481395		12km to city 3 km to road
17.	Al Hamza	Al Sadeer	2/ Al Dehaya	1/24, 1/24	27317	Agriculture	Available	Irrigation cannels	means	6 m	7.2	Mixed clay	valid	504900 3521200		

No.	District	township	County No.	Plot No.	Area / dunam	Type	Availability of water share	Source of water	Method of irrigation	Depth of underground waters	Analysis of soil		Validity of underground waters	Coordinates X Y	Location	notes
											PH	soil Tissues				
18.	Al Hamza	Al Sadeer	2/ Al Dehaya	9	147	Agriculture	Available	Irrigation cannels	means	-	7.2	Mixed clay	valid	500326 3521300		
19.	Al Hamza	Al Sadeer	2/ Al Dehaya	1/7, 6/7	166	Agriculture	Available	Irrigation cannels	means	-	7.4	Mixed clay	valid	505125 3521812		
20.	Afak	Al Bdair	13/ Al Bdair	4/2	2650	Agriculture	unavailable	Irrigation cannels	means		8.9	Mixed clay	invalid	548160 3540230		Third river no man land
21.	Afak	Al Bdair	12/ Al Bdair	7 & 16	4800	Agriculture	unavailable	Irrigation cannels	means			Mixed clay	invalid	548621 3544520		Third river no man land
22.	Afak	Al Bdair	16/ Al Bdair	13	1900	Agriculture	unavailable	Irrigation cannels	means			Mixed clay	invalid	551390 3540230		Third river no man land
23.	Afak	Al Bdair	13/ Al Bdair	27/2	10		unavailable	unavailable				Mixed clay	invalid	559768 3525935		Chilled warehous
24.	Al Hamza	Al Sadeer	2/ Al Dehaya	Parts of 12/33 & 3/33 all of 6/33	500	Agriculture	available	Irrigation cannels	means			Mixed clay	invalid	503720 3517640		
25.	Al Hamza	Al Sadeer	2/ Al Dehaya	9	147	Agriculture	Available	Irrigation cannels	means	-	7.2	Mixed clay	valid	500326 3521300		
26.	Al Hamza	Al Sadeer	2/ Al Dehaya	1/7, 6/7	166	Agriculture	Available	Irrigation cannels	means	-	7.4	Mixed clay	valid	505125 3521812		
27.	Afak	Al Bdair	13/ Al Bdair	4/2	2650	Agriculture	unavailable	Irrigation cannels	means		8.9	Mixed clay	invalid	548160 3540230		Third river no man land
Total								91188 Dunam								
Number of opportunities								24								

Agricultural Investment opportunities in Thi Qar 2017-2018



Scale
1: 1,000,000

Details

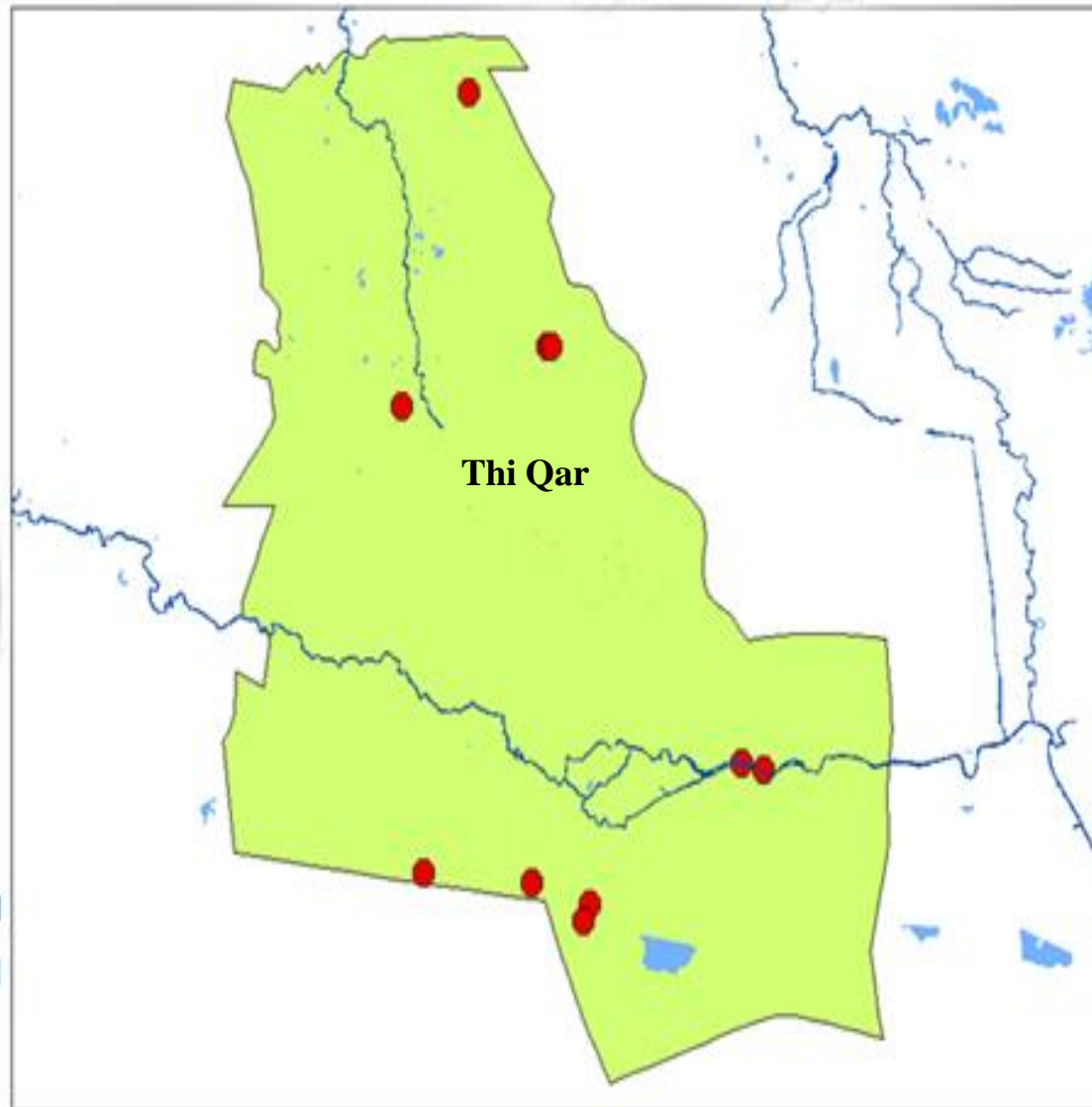
Rivers



lakes



Investment
opportunity



Predisposing land for Agricultural Investment in ThiQar Province for 2017-2018

No.	District	township	County No.	Plot No.	Area / Dunam	Type	Availability of water share	Source of water	Method of irrigation	Coordinates X Y	Analysis of soil	
											PH	soil Tissues
1.	Chibaesh	Manar	10/Alboshama	1	1000	Agricultural	available	Al Gharraf river	pumps	3425089 677896	7.47	Mixed
2.	Chibaesh	Manar	2/Khawema	1	300	Agricultural	available	Al Gharraf river	pumps	y /3426170 x /673460	7.05	Sandy Mixed
3.	Shatra	Daweiya	4/ Hataman	7/7	1000	Agriculture	Available	Al Gharraf river	pumps	3492542 633624	7.64	Mixed sandy
4.	Shatra	Daweiya	30/ Al Ghadeen	11	5000	Agriculture	Available	Al Gharraf river	pumps	3492682 634281	70.74	Mixed sandy
5.	Shatra		12/ Al Hijia	157	2008	Agriculture	Available	Al Gharraf river	pumps		7	Mixed sandy
6.	Al Rifaee	Sukar Castle	20/ um Al Kata	229,12 ,3,10,9 ,5,2	2000	Agriculture	available	Al Gharraf river	pumps	3532969 617434	7.6	Mixed sand
7.	Nasiriya	Center	8/ Al Hazim, 9 Salibiya, 48 Sakhriya	Part of 1	15000	Government al medium fertility	available	Ibada river out of Al Huriya river	pumps	608038 3408705	7.1	sandy

8.	Sooq Al Sheyoukh	Sooq Al Sheyoukh	24/Algarta Algharbia	1	1500	governmental	available	Ibada river out of Al Huriya river	pumps	642800 3396700	4.9	Mixed Clay Alluvial
9.	Sooq Al Sheyoukh	Sooq Al Sheyoukh	26/Algarta Alsharqia	1	1500	governmental	available	Ibada river out of Al Huriya river	pumps	640908 3401110	6.8	Mixed Clay Alluvial
10.	Sooq Al Sheyoukh	Sooq Al Sheyoukh	37/ Tel Al laham	1	600	Governmental	available	Ibada river out of Al Huriya river	pumps	630312 3407000	7.2	Mixed
Total			29908 Dunam									
Number of opportunities			10									

