The report was prepared in response to the decisions of the World Heritage Committee taken during the 43rd session of the World Heritage Committee (Baku, 2019)

By

Dr. Ahmed Kadhim Taher
Intl. Organizations Department Head
(SBAH)

Abdul Razzak Aboudi Muhi
WHC Member
UNESCO

Baghdad

Jan.2020
The increasing threat factors to cultural heritage in Iraq in general and the World Heritage sites in particular, and the increase the number of questionnaires that the State party filled out in the past year, which coincided with the third session of the third circle of periodic reports on the Arab region undertaken by the World Heritage Committee for the period (2018-2024) all these indicated to high concern in world heritage demands. The international requirements have increased, and with it the plans must be completed in the World Heritage sites, especially those listed in danger, including the site management plan, the comprehensive conservation plan, and emergency plans of the site. The management plan of tourists.

The state board of antiquities and heritage, and through the formed committees, follow up the completion of corrective measures in the sites in order to remove the sites from the list of danger in response to international demands.

In spite of the limited work on the World Heritage sites that are in danger, we are awaiting the start of the financial expenditures in order to start with conservation works.
If we exclude the sites of (Hatra and Samarra), there are conservation works still underway in the ancient city of Babylon before and after the inclusion on the world heritage list by the state board of antiquities and heritage and WMF in response to the international demands approved by the World Heritage Committee during 43th session Baku / 2019, where in Ashur the work is still ongoing to conserve the retaining wall of the river to reduce the effects of the river.

Accordingly, the State party has fully absorbed the plans and facilities needed in the World Heritage sites, and it plans to complete those plans in the sites in order to preserve the outstanding universal value of the sites and the sustainability of these sites on the World Heritage List.
# Table of Contents

<table>
<thead>
<tr>
<th>S/N</th>
<th>Item</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Executive Summary.</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>Iraq and World Heritage-General background.</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>General Decision on the World Heritage properties of Iraq.</td>
<td>7</td>
</tr>
<tr>
<td>4</td>
<td>Iraqi sites listed on the World Heritage List</td>
<td>9</td>
</tr>
<tr>
<td>5</td>
<td>Hatra.</td>
<td>9</td>
</tr>
<tr>
<td>6</td>
<td>Ashur.</td>
<td>12</td>
</tr>
<tr>
<td>7</td>
<td>The archaeological city of Samarra.</td>
<td>16</td>
</tr>
<tr>
<td>8</td>
<td>Babylon.</td>
<td>19</td>
</tr>
<tr>
<td>9</td>
<td>Babylon and World Heritage.</td>
<td>20</td>
</tr>
<tr>
<td>10</td>
<td>Conservation work on the site.</td>
<td>22</td>
</tr>
<tr>
<td>11</td>
<td>Other Works.</td>
<td>25</td>
</tr>
<tr>
<td>12</td>
<td>Conclusion.</td>
<td>26</td>
</tr>
</tbody>
</table>
Executive Summary

The inclusion of the ancient city of Babylon on the World Heritage List during the (43) session of the World Heritage Committee (Baku / Azerbaijan) 2019, became the sixth historic site in which Iraq is honored to be inscribed on the World Heritage List.

In Iraq, the concept of world heritage rises a lot through awareness campaigns that it conducts between local communities and advances in their role in preserving world heritage sites.

In a related context, the state board of antiquities and heritage / Department of International Organizations held an interactive training course by extracting the required data from the World Heritage Center site and the course entitled (Data Mining , World Heritage Literature as a Model, World Heritage Sites in Iraq) between the department’s employees, led by the managers of world heritage sites and some representatives of local communities in order to raise awareness.

Despite the few conservation work on the World Heritage sites in Iraq, planning is being taken in the entirety of protection and management operations and awaiting the start of financial expenditures, as the government has approved large financial allocations for the World Heritage sites, namely the archaeological city of Samarra, Babylon and the marshes, and that these amounts will be allocated to conservation work in the sites and this is in response to international demands and establishing of infrastructure facilities.

Towards the same goal, the international organizations department / The state board of antiquities and heritage has
prepared a detailed report on the World Heritage sites listed in danger, and diagnosis of international demands in those sites by reviewing all the decisions issued by the World Heritage Committee related to those sites.

As for the achievements that were made in the World Heritage Sites, the attached report and the recommendations that the State party deems necessary and that the World Heritage Committee consider after increased international pledges to improve the state of the World Heritage sites in Iraq while we did not see anything in the sites, even those that were recently liberated from the hand of terrorism (ISIS)

\textbf{\textit{\textsuperscript{1}-Iraq and World Heritage}}

\textbf{General background}

Iraq is the first regional country to ratify the World Heritage Convention and adopted the concept of world heritage and its mechanisms through the completion of the first nomination file for the city of Hatra, where he won the honor of listing for the site in (1985) then followed by the city of Ashur in 2003 and then the archaeological city of Samarra in 2007 and Erbil citadel in 2014 and the marshes 2016 and finally the city of Babylon in 2019, and there is an internal move to look at the sites of the tentative list and consider the priorities of the nomination of sites.

There are plans are being developed in other sites such as marshes and Babylon, and planning is taken in the area of drawing the paths of visitors and planning to establish infrastructure facilities as a center for guiding visitors, especially since the sites, after their inclusion on the World Heritage List, witnessed a remarkable tourist movement, and the
tourist movement will increase in light of government interest in outstanding universal value sites.

There is a trend now to develop comprehensive conservation plans for the world heritage sites in danger, as recommended by the World Heritage Committee.

Despite the limited work accomplished in the World Heritage sites, the State party, Iraq is looking forward closely to the international community and taking international pledges and decisions to protect the Iraqi heritage its way for implementation after the road became clear to implement the international pledges and after the liberation of three Iraqi sites listed on the world heritage list in danger.

As our sites were liberated two years ago, and it needs to be in a timely manner for the World Heritage Committee to send a mission to assess the damage in the World Heritage sites, Hatra, Ashur and Samarra.

2-General Decision on the World Heritage properties of Iraq
43 COM 7A.21

The World Heritage Committee,
1. Having examined Document WHC/19/43.COM/7A.Add.2,
2. Taking note of the report provided by the State Party regarding the state of conservation of the properties on the List of World Heritage in Danger, expresses its concern about the lack of comprehensive and detailed assessment of the properties affected by the conflict and about the limited resources available for the safeguarding of affected cultural heritage;
3. Expresses its appreciation to the Director-General of UNESCO for the progress made towards safeguarding of cultural heritage in the Old City of Mosul, and for the
expertise and resources mobilized so far within UNESCO’s “Revive the Spirit of Mosul” flagship initiative;

4. **Requests** the State Party to submit updated documentation of damage incurred at World Heritage properties, to safeguard damaged properties according to the principle of minimal intervention, and to refrain from undertaking conservation and restoration work until comprehensive conservation plans have been developed, in full consultation with the World Heritage Centre and the Advisory Bodies;

5. **Also requests** the State Party to revisit and address the priority actions outlined in the Response Plan for the Safeguarding of Cultural Heritage in Liberated Areas of Iraq (2017-2019), with the support of UNESCO and the international community;

6. **Reminds** the State Party about the need to submit to the World Heritage Centre, for examination by the Advisory Bodies, information on any future plans for major restoration or new construction projects that may affect the Outstanding Universal Value (OUV) of World Heritage properties, in conformity with Paragraph 172 of the *Operational Guidelines*, before making any decisions that would be difficult to reverse;


8. **Calls again** on all Member States of UNESCO to provide technical and financial support to safeguarding efforts for Iraq’s cultural heritage, including through the “Revive the Spirit of Mosul” flagship initiative, in order to implement short-, medium- and long-term measures;

9. **Also requests** the World Heritage Centre to present at its 44th session in 2020 a report on the activities undertaken
within the framework of the “Revive the Spirit of Mosul” flagship initiative;

10. Further requests the State Party to submit to the World Heritage Centre, by 1 February 2020, an updated report on the state of conservation of the properties and the implementation of the above, for examination by the World Heritage Committee at its 44th session in 2020.

**- Iraqi sites listed on the World Heritage List**

The World Heritage sites in Iraq were distributed among the cultural and mixed sites such as the marshes site, where the task of preparing the site's report was entrusted by the Ministry of Water Resources. As for the Erbil Citadel, the administration of Erbil Citadel deals with the World Heritage Center and send periodic reports of the site, so the current report will be about Hatra, Ashur, Samarra and Babylon during 2019 and the sites are:

**3-1 Hatra**

The first historical site in which Iraq receives the honor to be inscribed on the world heritage list, in 1985 and the Kingdom of Hatra is one of the oldest Arab kingdoms in Iraq, specifically in the northwestern plain of the Mesopotamia. The Kingdom of Hatra was centered in the city of Hatra to the southwest of the city of Mosul at a distance (110) km away from the city of Ashur about (60) km. Hatra kingdom appeared in the second or third century B.C. and was ruled by four kings who continued their rule for nearly a hundred years.

The Kingdom of Hatra (Arabia) was known for its architecture, arts, weapons, and industries. This city was comparable to the city of Rome in terms of progress, where it found bathrooms with a sophisticated heating system, controlled towers, tightly
carved inscriptions, mosaics, metal coins, and statues. They also coinage money in the Greek and Roman way and gathered great wealth as a result of their economic prosperity. The Persians and Romans tried to invade it repeatedly, as the Roman emperor Trajan and Roman Emperor Septimius Severus failed in the year 199 AD after he occupied both Babylon, Seleucia and Ctesiphon because its inhabitants defended it stubbornly.

Figure 1, An aerial view of Hatra.

The first interests of the site were by the Germans, led by (Walter Andrae) since 1904, when they were working in the city of Ashur, they drew up plans for the city and studied its remains in 1911.

As for the works of the state board of antiquities and heritage, started work at the site since 1951, where the excavations reached valuable results, where many statues were found inside the temples and written panels in the Aramaic script.

The work of the state board of antiquities and heritage, in the site continued to conserve many of its monuments and for the importance of the site as it was nominated to be the first
historical site in Iraq to be included on the World Heritage List in 1985.

The city occupied in 2015 by ISIS, which continued to occupy the site for two years, and has caused a lot of damage at the site, which we will include in the report of the damage of the site.

Figure 2 Damage to the eastern wall of the Great Temple (Hatra) as a result of a shell

In March 2015, the terrorist organization (ISIS) began destroying archaeological sites in Hatra temples and statues for legitimate reasons from their point of view.

As for the city's position in the World Heritage List, it has been detailed through the following table;
<table>
<thead>
<tr>
<th></th>
<th>Governorate</th>
<th>Ninawa</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The city name</td>
<td>Hatra</td>
</tr>
<tr>
<td></td>
<td>Date of Inscription</td>
<td>1985</td>
</tr>
<tr>
<td></td>
<td>Inscribed on the list of danger</td>
<td>2015</td>
</tr>
<tr>
<td></td>
<td>Coordinates</td>
<td>N35 35 17.016</td>
</tr>
<tr>
<td></td>
<td>E42 43 5.988</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Criteria</td>
<td>(ii)(iii)(iv)(vi)</td>
</tr>
<tr>
<td></td>
<td>Property</td>
<td>323.75 ha</td>
</tr>
<tr>
<td></td>
<td>Ref</td>
<td>277rev</td>
</tr>
</tbody>
</table>

Source: World Heritage Center (Access Date 20/1/2020)

Two years after the occupation of the city by the terrorist forces, the site has been liberated, and now the state party is requesting the World Heritage Center to send a technical mission to assess the damage done to the site.

![Figure 3 Entrance to one of the rooms opened by the terrorist forces in the Northern Iwan](image)

### 3-2 Ashur

Ashur is the capital of the Assyrian state and continued its historical importance until the end of the seventh century B.C. (614 or 612) B.C.E., it is located on the West Bank of the Tigris River. Its ruins are located 110 km south of Mosul, the site's
excavation carried out at the beginning of the twentieth century by a German team, and other excavation followed in the year (1945) by an Iraqi and German joint research team.

Figure 4 The Ziggurat of Ashur is one of the city's landmarks

The city of Ashur sits on a large area estimated at hundreds of hectares, including 65 hectares, as a residential area protected by walls in the Assyrian era. The most important Assyrian monuments are located to the north of the current site, where we find Ashur God temple, which was the holiest place in the city. Excavations also revealed temples, palaces, residential complexes and a large amount of cuneiform inscriptions that formed a major source of Assyrian history.

The excavations of the German mission headed by Walter Andrae in (1904) are considered important for the history of the city, as they revealed many of the city's landmarks, and the state
The city suffers from the impact of natural factors that left its obvious effects on the site, especially from the western side located on the Tigris River, where the Assyrians paid attention to the danger of river flooding and the corrosion caused to the city. It is reported that the first who made retaining wall, king Adad Narari I (1307-1275 BC) from the brick, stone and mortar material in it are asphalt. The retaining wall has been subjected to corrosion and removal in many parts of it due to the effect of the river's water. The state board of antiquities and heritage has done a lot of work in the field of conservation of the stone retaining wall in Ashur, and contracted with a national company to preserve the retaining wall, and we will provide you with the full report of conservation if it is completed.

Among the other works that the state board of antiquities and heritage conducted at the site is filling the trench with soil that was dug around the Ziggurat of Ashur, and because of the
danger, it poses to the body of the Ziggurat due to weather factors.

The site was listed on the World Heritage List in danger in 2003 and is still on the list of danger because there are many international requirements on the site in the field of protection and management must be done on the site.

The terrorist organization (ISIS) occupied the entire site and remained in its occupation of the site for two years, and the site was liberated.

![Image](image.jpg)

**Figure 6 The valley formed by rainwater that led to the fall of the retaining wall stone.**

It became clear that the terrorist forces had caused a lot of damage on the site, starting from the Ziggurat of Ashur, Tabira-Gate, Farhan Pasha Palace and the headquarters of the German expedition. Also, such damage will be included in the special report of Damages to the site.

With regard to the relation of the site to world heritage, the following table has been drawn up;
<table>
<thead>
<tr>
<th>1</th>
<th>Governorate</th>
<th>Salah al-Din</th>
</tr>
</thead>
<tbody>
<tr>
<td>²</td>
<td>Site name</td>
<td>Ashur (Qal'at Sherqat)</td>
</tr>
<tr>
<td>³</td>
<td>Date of Inscription</td>
<td>2003</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Inscribed on the list of danger /2003</td>
</tr>
<tr>
<td>⁴</td>
<td>Coordinates</td>
<td>N35 27 24 E43 15 40</td>
</tr>
<tr>
<td>⁵</td>
<td>Criteria</td>
<td>(iii)(iv)</td>
</tr>
<tr>
<td>⁶</td>
<td>Property</td>
<td>70 ha</td>
</tr>
<tr>
<td>⁷</td>
<td>Buffer zone</td>
<td>100 ha</td>
</tr>
<tr>
<td>⁸</td>
<td>Ref</td>
<td>1130</td>
</tr>
</tbody>
</table>

Source; World Heritage Center (Access Date 20/1/2020)

3-3 The archaeological city of Samarra

Samarra located on the banks of the Tigris River from the eastern side, and is approximately 120 kilometers from the capital, Baghdad, from the northern side.

The historical city of Samarra gained its fame by taking it as the capital of the Abbasid state during the era of Caliph al-Mu'tasim Billah, and at that time it was able to extend its influence and control over the land extending from the borders of China and central India to the east to the Atlantic Ocean in the west, and it contains archaeological and engineering monuments, and the most important of these prominent monuments at the historical level is the great mosque and its minaret (Al Malwiyya). The caliph's palace and Al Mashooq palace.

The excavations led by Herzfeld in the ruins of Samarra in the period (1911-1913) considered the first of its kind, as archaeologists have never been systematically interested in or specialized in the Islamic era.
The state board of antiquities and heritage has shown interest in the site since the thirties of the last century, as it carried out a lot of excavation and restoration work on the site, and archaeological revival project of Samarra and Mutawakilyya which was launched in the decade of the eighties, bore witness to that interest.

![Image of the Great Mosque of Samarra, known Mallawiya Mosque](image)

**Figure 7 The Great Mosque of Samarra, known Mallawiya Mosque**

However, many mistakes occurred in the field of conservation and all of these errors were evident on the day of inscription the site on the World Heritage List in 2007, and conservation errors appeared in the Caliphate palace and Al Mashooq palace where they were rebuilt with materials outside the archaeological preservation frameworks and the use of strange materials on the conservation field, such as the use of cement.

With regard to the relation of the site to world heritage, the following table has been drawn up;
<table>
<thead>
<tr>
<th>Governorate</th>
<th>Salah al-Din</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site name</td>
<td>Samarra Archaeological City</td>
</tr>
<tr>
<td>Date of Inscription</td>
<td>Inscribed on the world heritage list in danger in 2007</td>
</tr>
<tr>
<td>Coordinates</td>
<td>N34 20 27.562 E43 49 24.755</td>
</tr>
<tr>
<td>Criteria</td>
<td>(ii)(iii)(iv)</td>
</tr>
<tr>
<td>Property</td>
<td>15,058 ha</td>
</tr>
<tr>
<td>Buffer zone</td>
<td>31,414 ha</td>
</tr>
<tr>
<td>Ref</td>
<td>276rev</td>
</tr>
</tbody>
</table>

Source: World Heritage Center( Access Date 20/1/2020)

City of Samarra was greatly affected by the military operations took place in Iraq, from the war of 2003 until the emergence of the ISIS terrorist forces in 2014, where the city of Samarra became an advanced line in the military operations that took place between the Iraqi army and terrorist forces, and the city's landmarks were very affected.

Figure 8: Effects of damages in Qubbat al-Sulaibiyya as a result of the 2014 clashes.

\[\text{- Babylon}\]
Babylon was one of the most important archaeological sites in the world. The city was the capital of the most famous monarchs in ancient history, Hammurabi (1792-1750) BC who established the first legislation in the world and Nebuchadnezzar (604-562) BC. who built the hanging gardens that came back from the Seven Wonders of the World as Alexander the Great chose it to be a new capital for him, but he died before he could implement his plan.

The city was mentioned for the first time in cuneiform texts from the Akkadian period (2371-2230) BC, but it did not become an important city until the time of Hammurabi (1792-1750) BC. It expanded greatly in Neo-Babylonian era (626-539) BC, as it became the largest city in the world at that time.

City of Babylon located 90 km south of the capital, Baghdad.

Excavation work began in the ancient city of Babylon early by the German expeditions since the mid-nineteenth century and these works remained intermittent until the German mission led by Robert Koldewey began since the beginning 20th century with excavation work in different areas of the city, especially in the center, fences, temples and Ishtar Gate, and continued until 1917 were interrupted by the First World War.

The state board of antiquities and heritage in 1939 carried out excavation and conservation work in Babylon. Another work carried out too by cleaning Ishtar Gate and do some repairs. In 1956, the German archaeologist Lenzin excavated for ten days in the Babylonian theater and searched for the scheme developed by Robert Koldewey.
Other work carried out by the state board of antiquities and heritage and heritage in 1957 and 1958 included the conservation of the Ishtar Gate and Temple of Ninmah.

One of the major projects in the site the archaeological revival project of Babylon that have been led by the state board of antiquities and heritage since the seventies of the last century which began officially on February 14, 1978.

Through this project, many of the buildings that were uncovered have been conserved, as well as modern installations, including a center of visitors in the center of the site have been erected. In addition, a lot of decorated work of restoration affected the site.

During the war of (2003), the city was subjected to great abuses and damages, as chaos followed after that war, and the museum of the site was subjected to major damage and all its assets were stolen.

***Babylon and World Heritage***

If we go back to the first principles to include the site on the World Heritage List, we will find that the first tentative list prepared for the site to inscribe on the World Heritage List was in 1980 and another tentative list in 2003 and since then the state party (Iraq) has made a lot of efforts to prepare the site's nomination file and to inscribe the site on the World Heritage List, but the objections of many advisory bodies, such as ICOMOS, ICCROM, and IUCN, prevented them from going through and completing the nomination file, because of the many abuses and developments that affected the site.
Nevertheless, the state party returned to deal with nomination file of Babylon, where they prepared new tentative list and new nomination file, and in the same time a lot of conservation work have been done by WMF and state board of antiquities and heritage.

Through the World Heritage data, the following table for the site has been prepared:

<table>
<thead>
<tr>
<th></th>
<th>Governorate</th>
<th>Babil</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Site name</td>
<td>Babylon</td>
</tr>
<tr>
<td></td>
<td>Date of inscription</td>
<td>2019</td>
</tr>
<tr>
<td></td>
<td>The site inscribed on the World Heritage List during the 43rd session of the World Heritage Committee. (Azerbaijani, Baku - July 2019)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Coordinates</td>
<td>N 32°32'31.09&quot; E 44°25'15&quot;</td>
</tr>
<tr>
<td></td>
<td>criteria</td>
<td>(iii)(vi)</td>
</tr>
<tr>
<td></td>
<td>Property</td>
<td>1,054.3 ha</td>
</tr>
<tr>
<td></td>
<td>Buffer zone</td>
<td>154.5 ha</td>
</tr>
<tr>
<td></td>
<td>Ref</td>
<td>278rev</td>
</tr>
</tbody>
</table>

Source: World Heritage Center (Access Date 20/1/2020)

The State party, through the participation of international organizations, attended to do a lot of work on the site and is moving towards achieving and dealing with the issues raised by advisory bodies.

Also, there is a big role for the private sector in the work that took place in the city of Babylon, including one of the donors (Maryam Elias Dawood) and assistance in cleaning and removing debris from the site.
Also, the staff of department of antiquities of Babil had the big role to carry out a major cleaning campaign on the site.

5-Conservation work on the site.

Conservation and rehabilitation work started on the site before and after the inscription the site on the world heritage list. WMF has worked on the site since 2008, where the site management plan and comprehensive conservation plan have been developed. Conservation work has increased extensively, including conservation of Ishtar Temple, one of the main temples in the city, dedicated to Ishtar goddess and the temple has a rectangular layout of length (37.12 m) and width (31.5 m), the temple contains two entrances, the main entrance is in the southern side, and the secondary entrance is in the eastern side.

![Figure 9 Ishtar Temple Plan](image)

Through research and investigation into the remains of the temple, it became clear that it was severely damaged, including;
-Collapses the walls of the temple.
-The presence of cracks extending to the bottom of the rooms.
-Removing the clay layer covering the walls.
-The large number of rubble and natural plants around the temple.

Conservation work started in the temple by cleaning it from falling parts due to the lack of periodic restoration in the temple. For the purpose of conservation this temple, mud brick produced locally and mixed with straw, and produced in the original measurements required for conservation work and it was (33 x 33 x 8) cm.

![Figure 10: The area surrounding the Ishtar Temple before conservation work](image)

During the conservation process, it became clear that some parts of the temple had been reconstructed with bricks and cement, so the expedition proceeded to remove the modern construction and cement, and to expose the mud walls, and in order to preserve the damaged parts of the walls.
The conservation work that took place on the temple from inside and outside was to track all the damage to the temple, including moisture, cracks and erosion of the walls.

Figure 11 Part of the ongoing conservation work in Ishtar Temple

Figure 12 one of the large cracks that penetrate the temple walls

All these works are conducted under the supervision of the state board of antiquities and heritage and WMF.

These works and rehabilitation works of the site will continue and in response to the international demands recommended by the World Heritage Committee during 43rd session (Baku / Azerbaijan, 2019)
Other Works

Follow-up and monitoring of groundwater levels in the city of Babylon, as two-dimensional electrical surveys were carried out within ancient city of Babylon. Where the measurements were taken at (9) stations and with a depth of approximately (70) m. These stations were distributed to cover the study area except for the area behind the houses and Babylonian temples, due to the roughness of the region.

Generally, the city of Babylon was studied geologically for the first time in 1979, by the Iraqi Geological Survey Department, this study showed that the stratigraphic sequence of sediments in the city dates back to the quaternary era.

It came clear that there are two underground water reservoirs, as the thickness of the first reservoir ranges between (10-15) m in the areas near the Shatt al-Hilla River and increases as we go away from the river to the east to reach a thickness of (25) m.

As for the second reservoir, it appears at a depth of (10-15) meters from the surface of the earth in the areas near the Shatt al-Hilla River, reaching a depth of about 25 meters in the study area.

Through the study, it was observed that the measured electrical resistance values in the nine stations decrease as we go away from the Shatt Al-Hillah River to the east, as well as an increase in the salinity of groundwater in the area.
\-Conclusion

The sector of culture and antiquities is witnessing a rapid movement in Iraq led by the state board of antiquities and heritage and with the participation of WMF as it is now under way in conservation and rehabilitation works in the ancient city of Babylon and after its inscription on the World Heritage List.

In the city of Mosul, an international team is working on a project to revive the spirit of Mosul and under the supervision of UNESCO, through which the team undertakes conservation and rehabilitation works for the historical monuments in the city after ISIS destroyed it, and after a year has passed on the adoption of the tentative list for the ancient city of Mosul by the World Heritage Center.