

INDICATE International Network for a Digital Cultural Heritage e-Infrastructure



Title of presentation

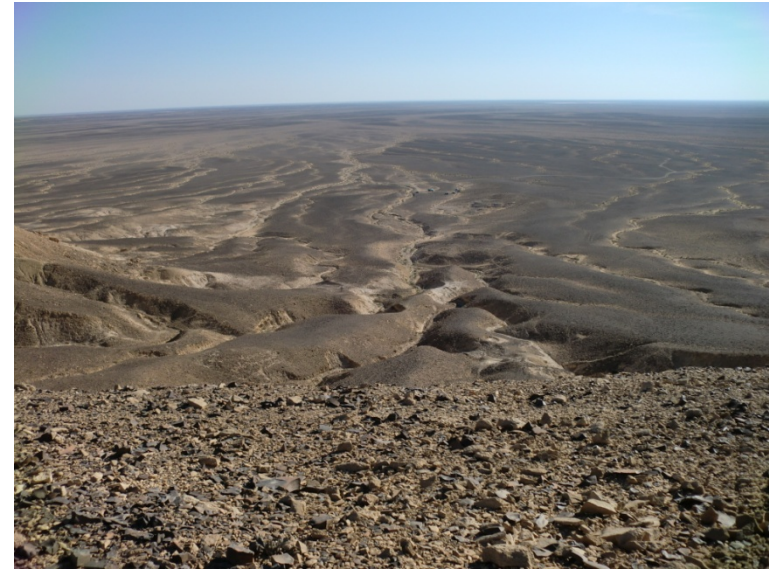
Author

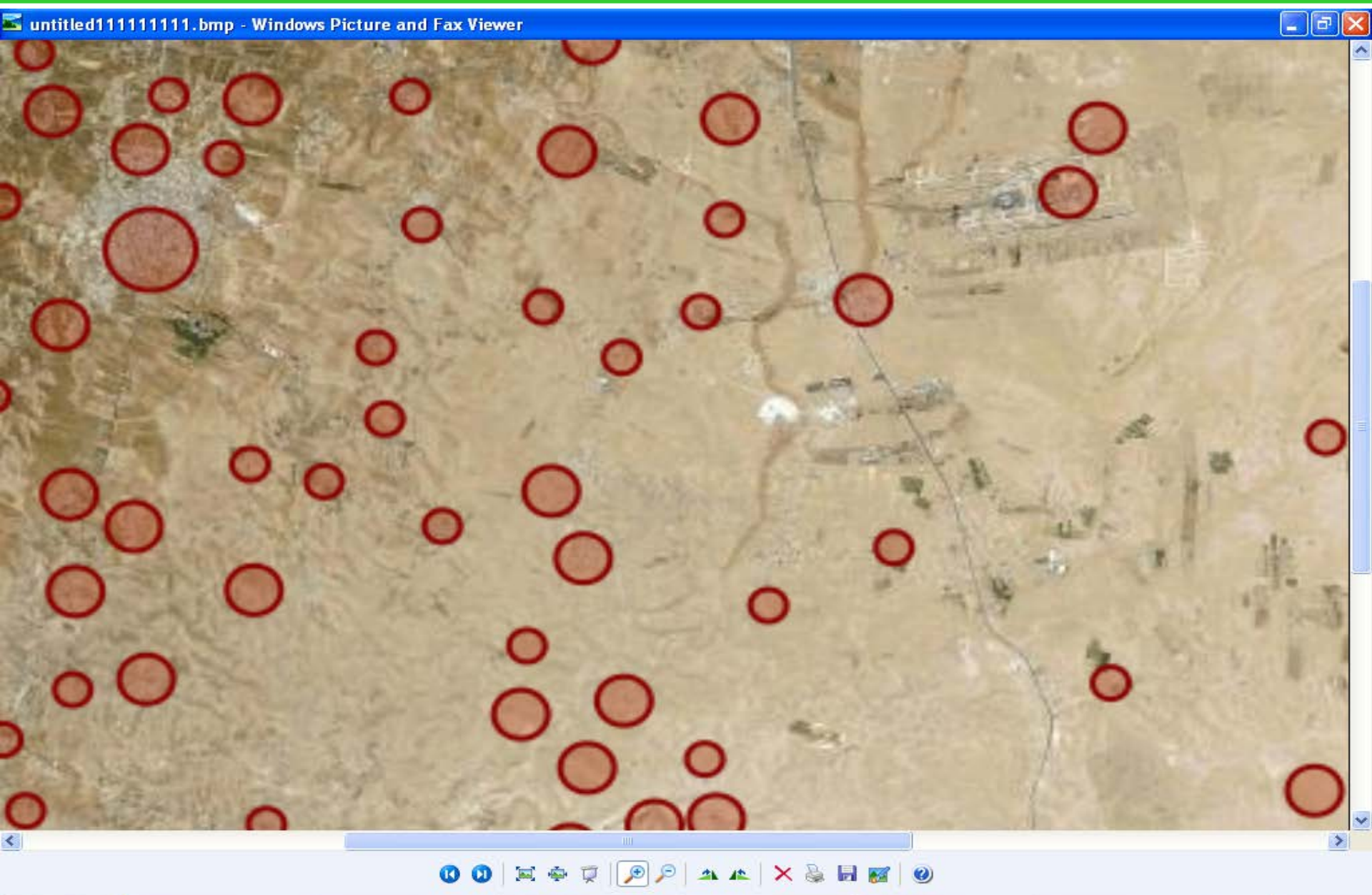
Institution, country

**International workshop: Geocoded cultural content
Ljubljana, 7th February 2012**

- Department Of Antiquities Of Jordan
 - MEGA - JORDAN
 - Ahmad Lash
 - Tawfiq al-Huniti

- the oldest archaeological site discovered in Jordan , dated to more than 500,000 years
- there is more than 10,900 archaeological sites registered in Jordan until now





- Mega-Jordan has been developed through partnerships between the Getty Conservation Institute, World Monuments Fund , and Jordanian Department Of Antiquities

- The Middle Eastern Geodatabase for Antiquities (MEGA)- Jordan is a custom-built geographic information system (GIS) specifically designed to inventory, manage, and protect Jordan's archaeological sites at the national level

Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://megajordan.org/

megajordan.org

Y! SEARCH

Additional plugins are required to display all the media on this page. Install Missing Plugins...

MEGA JORDAN THE NATIONAL HERITAGE DOCUMENTATION and MANAGEMENT SYSTEM

Language Download Desktop Tools Login Help

Guest Access

Launch

guest

User

A State-of-the-Art System for Jordan's Archaeological Sites

MEGA-Jordan is a purpose-built geographic information system (GIS) to inventory and manage archaeology sites at a national level. It has been developed using state-of-the-art technology and requires no more than basic computer skills to enter site and site element boundaries and buffer zones; site details such as condition, threats, and other monitoring updates; and to print out detailed, up-to-date reports on Jordan's vast number of archaeological sites. The system, in both Arabic and English, is web-based and will standardize and centralize data throughout the Kingdom.

Tutorials (double-click to open in new window)

Overview: System overview of the MEGA application

A plugin is needed to display this content. Install plugin...

http://megajordan.org/#

TRAINING MEGA-Jordan - Mozilla Firefox

File Edit View History Bookmarks Tools Help

TRAINING MEGA-Jordan

72.18.194.22/megaj/map

YAHOO!

MEGA JORDAN MIDDLE EASTERN GEODATABASE for ANTIQUITIES

TRAINING version

Map Type: Satellite

Language Search Tasks Ahmad Help

Search

Enter Site or Site Element Name, MEGA Number, or JADIS Number...

Sites and Site Elements GPS Coordinates

- Lat/Long (decimal degrees)
- Lat/Long (degrees minutes seconds)
- Jordanian TM
- UTM Zone 36 North
- UTM Zone 37 North
- Palestine Belt
- Palestine Grid

Search (name / number)

GPS Coordinates

Kilometers 0 100 200

Long.: 42.15454, Lat.: 30.53388

Reports | Jordan



TRAINING MEGA-Jordan - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

TRAINING MEGA-Jordan

72.18.194.22/megaj/map#

YAHOO!

Yahoo! Search

SEARCH

MEGA JORDAN MIDDLE EASTERN GEODATABASE for ANTIQUITIES

TRAINING version

Map Type: Satellite

Language Search Tasks Ahmad Help

Viewing 0 Sites

0 0.1 0.2 Kilometers

Long.: 36.82737, Lat.: 31.87950

Reports | Jordan > ZARQA > El-Azraq

The screenshot displays the MEGA-Jordan web application interface. At the top, the browser window shows the URL `72.18.194.22/megaj/map#` and the Yahoo! search bar. The application header includes the MEGA logo, the text "MIDDLE EASTERN GEODATABASE for ANTIQUITIES", and "TRAINING version". A navigation bar contains "Map Type: Satellite", "Language", "Search", "Tasks", and a user profile for "Ahmad".

The main content area features a satellite map of a city. A light blue box labeled "Viewing 0 Sites" is positioned in the upper left. A central light blue box labeled "Tasks" has a yellow arrow pointing to the "Tasks" menu item in the top navigation bar. Another light blue box labeled "Add a New site" has a yellow arrow pointing to the "Add a New Site" option in the expanded "Tasks" menu.

The "Tasks" menu is open on the right side of the map, listing the following options:

- Add a New Site**: Enter the location and descriptive information for a new site.
- Add a New Site Element**: Enter the location and descriptive information for a new site element.
- Print Site, Site Element, and Monitoring Cards**: Print out blank field data collection forms.
- Manage Citations**: Add a new bibliographic citation to MEGA-J.
- User Administration**: Add, Remove, or Alter application users.
- Director Reporting**: MFGA-1 Activity Report.

At the bottom of the map, there is a scale bar in Kilometers (0 to 0.2) and coordinates: Long.: 36.83139, Lat.: 31.88187. The bottom status bar shows the breadcrumb path: "Reports > Jordan > ZARQA > El-Azraq > AZRAQ DRUZ" and the full URL: `http://72.18.194.22/megaj/map#`.

TRAINING MEGA-Jordan - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

TRAINING MEGA-Jordan

72.18.194.22/megaj/map#

Y! Yahoo Search

MEGA JORDAN MIDDLE EASTERN GEODATABASE for ANTIQUITIES

TRAINING version

Map Type: Satellite

Language Search Tasks Ahmad Help

Draw a Site boundary by choosing the polygon drawing tool and clicking on map. Double click to finish drawing. Cancel

coordinates

Kilometers

0 0.1 0.2

Long.: 36.82351, Lat.: 31.88151

http://72.18.194.22/megaj/map#

The screenshot shows a web browser window with the following elements:

- Browser Title Bar:** TRAINING MEGA-Jordan - Mozilla Firefox
- Browser Menu:** File, Edit, View, History, Bookmarks, Yahoo!, Tools, Help
- Address Bar:** TRAINING MEGA-Jordan | 72.18.194.22/megaj/map#
- Search Bar:** Yahoo! Search
- Page Header:** MEGA JORDAN | MIDDLE EASTERN GEODATABASE for ANTIQUITIES | TRAINING version
- Map Type:** Satellite
- Navigation:** Language, Search, Tasks, Ahmad, Help
- Map Content:** Aerial satellite view of a residential area with a river.
- Instructional Banner:** Draw a Site boundary by choosing the polygon drawing tool and clicking on map. Double click to finish drawing. [Cancel]
- Dialog Box: Enter Site Coordinates**
 - Geometry type: Point Line Polygon
 - Coordinate System: Lat/Long (decimal degrees)
 - Coordinates: e.g. 36.54018 31.29985,36.54056 31.29968,...
 - Buttons: [Cancel] [Continue]
- Map Controls:** Zoom in (+), zoom out (-), pan, and a scale bar at the bottom right showing 0, 0.1, 0.2 Kilometers.
- Page Footer:** Reports | Jordan > ZARQA > El-Azraq > AZRAQ DRUZ

The screenshot shows a web browser window with the following elements:

- Browser Title Bar:** TRAINING MEGA-Jordan - Mozilla Firefox
- Browser Menu:** File, Edit, View, History, Bookmarks, Yahoo!, Tools, Help
- Address Bar:** 72.18.194.22/megaj/map#
- Search Bar:** Yahoo! Search
- Page Header:** MEGA JORDAN MIDDLE EASTERN GEODATABASE for ANTIQUITIES TRAINING version
- Map Type:** Satellite
- Map:** Aerial view of a site with a red polygon boundary.
- Dialog Box:** Enter Site Coordinates

Enter Site Coordinates Dialog Box:

- Geometry type:** Point Line Polygon
- Coordinate System:** UTM Zone 36 North
- Coordinates:**

```
36.82702 31.87985, 36.82682 31.88005, 36.82679 31.88016, 36.82677 31.88028,  
36.82693 31.88041, 36.82706 31.88056, 36.8273 31.88086, 36.82769 31.88064,  
36.82802 31.88039, 36.82791 31.88024, 36.82798 31.88016, 36.82727 31.87955,  
36.82716 31.8796, 36.82715 31.87973, 36.82702 31.87985
```
- Buttons:** Cancel, Continue

Map Information: Long.: 36.82315, Lat.: 31.88159

Page Footer: Reports | Jordan > ZARQA > El-Azraq > AZRAQ DRUZ

MEGA-Jordan - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

MEGA-Jordan

megajordan.org/Map

YAHOO!

Y! Yahoo

Y! Yahoo! Search

SEARCH

39°

MEGA JORDAN THE NATIONAL HERITAGE DOCUMENTATION and MANAGEMENT SYSTEM

Map Type: Satellite

Language Search Tasks Ahmad Help

Viewing 2 Sites

0 0.1 0.2 Kilometers

Long.: 36.82687, Lat.: 31.87815

Reports | Jordan > ZARQA > El-Azraq > AZRAQ

Google

Terms of Use

MEGA-Jordan - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

MEGA-Jordan

megajordan.org/Map

YAHOO!

Y! Yahoo Search

SEARCH

MEGA JORDAN THE NATIONAL HERITAGE DOCUMENTATION and MANAGEMENT SYSTEM

Map Type: Satellite

Language Search Tasks Ahmad Help

Viewing 2 Sites

Tasks

	Name	Auto	Manual
<input checked="" type="checkbox"/>	Site Elements	<input type="radio"/>	<input checked="" type="radio"/>
<input type="checkbox"/>	Sites	<input checked="" type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Sub Governorates	<input checked="" type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Governorates	<input checked="" type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Jordan	<input checked="" type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Surveys	<input checked="" type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Parcels	<input checked="" type="radio"/>	<input type="radio"/>

Kilometers 0 0.1 0.2

Long.: 36.82734, Lat.: 31.87970

Google

Reports: Jordan > ZARQA > El-Azraq > AZRAQ

http://megajordan.org/Map#

MEGA-Jordan - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

MEGA-Jordan

megajordan.org/Map

YAHOO!

Y! Yahoo Search

MEGA JORDAN THE NATIONAL HERITAGE DOCUMENTATION and MANAGEMENT SYSTEM

Map Type: Satellite

Language Search Tasks Ahmad Help

Viewing 2 Sites

Site information's

Reports | Jordan > ZARQA > El-Azraq > **AZRAQ**

General Information Site Significance Site Elements Administration Site Monitoring Events References Review Status

AZRAQ Under Review Print Site Report

Site Summary:

Other Site Names **قصر الأزرق**, قصر الدرويز, Azraq castle, JADIS: 3214001, قصر الأزرق

MEGA Number 7936 Total Area (m²) 9557.7 Perimeter (m) 391.8 Buffer Zone (m) 10

Surveys

Coordinates (Long Lat) 36.82702 31.87985, 36.82682 31.88005, 36.82679 31.88016, 36.82677 31.88028, 36.82693 31.88041, 36.82706 31.88056, 36.8273 31.88086, 36.82769 31.88064, 36.82802 31.88039, 36.82791 31.88024, 36.82798 31.88016, 36.82727 31.87955, 36.82716 31.8796, 36.82715 31.87973, 36.82702 31.87985

Period(s) Identified at site:

9002 (Paleolithic, Middle); 9034 (Iron Age III (Persian)); 9044 (Roman , Early); 9045 (Roman, Late); 9046 (Roman, Unspecified); 9047 (Byzantine, Early); 9048 (Byzantine, Late); 9050 (Islamic, Umayyad); 9053 (Islamic, Ayyubid); 9054 (Islamic, Mamluk); 9055 (Islamic, Unspecified); 9058 (Ottoman, Late); 9059 (Ottoman, Unspecified); 9060 (Modern (1915-1950)); 9999 (Unspecified/Unknown Period)

Site Comments:

MEGA-Jordan - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

MEGA-Jordan

megajordan.org/Map

YAHOO!

Y! Yahoo Search

SEARCH

MEGA JORDAN THE NATIONAL HERITAGE DOCUMENTATION and MANAGEMENT SYSTEM

Map Type: Satellite

Language Search Tasks Ahmad Help

Viewing 2 Sites

Site Significance

Kilometers 0 0.1 0.2 Long.: 36.83103, Lat.: 31.87995

Reports | Jordan > ZAFQA > El-Azraq > **AZRAQ**

General Information **Site Significance** Site Elements Administration Site Monitoring Events References Review Status

AZRAQ Under Review [Print Site Report](#)

Site Significance:

- Scientific Value
- Historical Value
- Aesthetic Value
- Social Value
- Spiritual Value

اعتبرت كمحطة هامة لثورات الثورة العربية المتجهة لسوريا سنة 1917 بقيادة الأمير علي بن الحسين و مرافقه لورنس العرب و ما زالت إحدى غرفها تحرف باسم غرفة لورنس
 استخدم من قبل الازرق عند قعودهم إلى المنطقة من جنوب سوريا إبان الثورة السورية ضد الإستعمار الفرنسي سنة 1925 و قسموا غرف القلعة فيما بينهم ويقف فيها حتى سنة 1935 ، وما زال حوالي 80% من سكان المنطقة المحيطة بالقلعة من نسل تلك العائلات

MEGA-Jordan - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

MEGA-Jordan

megajordan.org/Map

YAHOO!

Y! Yahoo Search

SEARCH

MEGA JORDAN THE NATIONAL HERITAGE DOCUMENTATION and MANAGEMENT SYSTEM

Map Type: Satellite

Language Search Tasks Ahmad Help

Viewing 2 Sites

Site Element's

Kilometers 0 0.1 0.2 Long.: 36.82993, Lat.: 31.88018

Reports | Jordan > ZARQA > El-Azraq > **AZRAQ**

General Information Site Significance **Site Elements** Administration Site Monitoring Events References Review Status

AZRAQ Under Review [Print Site Report](#)

The following 22 Site Element(s) have been recorded at this site

Date Entered	MEGA Number	Element Type	Element Name	Periods
December 7, 2010	58100	207 Stables	Stables	9047 (Byzantine, Early); 9053 (Islamic, Ayyubid); 9060 (Modern (1915-1950))
December 3, 2010	58074	304 Mosque	MASJED	9050 (Islamic, Umayyad); 9053 (Islamic, Ayyubid); 9054 (Islamic, Mamluk); 9058 (Ottoman, Late)
July 1, 2010	35928	504 Castrum	None	9044 (Roman, Early)
December 3, 2010	58076	510 Latrine	None	9999 (Unspecified/Unknown Period)
December 13,	58148	511 Palace	Palace	9045 (Roman, Late); 9047 (Byzantine, Early); 9048 (Byzantine, Late); 9050 (Islamic, Umayyad); 9053 (Islamic,

MEGA-Jordan - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

MEGA-Jordan

megajordan.org/Map

YAHOO!

Y! Yahoo Search

MEGA JORDAN THE NATIONAL HERITAGE DOCUMENTATION and MANAGEMENT SYSTEM

Map Type: Satellite

Language Search Tasks Ahmad Help

Viewing 2 Sites

Reference's

Kilometers 0 0.1 0.2 Long.: 36.83092, Lat.: 31.87909

Reports | Jordan > ZARQA > El-Azraq > **AZRAQ**

General Information Site Significance Site Elements Administration Site Monitoring Events **References** Review Status

AZRAQ Under Review [Print Site Report](#)

Site References:

Primary Author	Date	Publication
ALAMI Y.	1975	Preservation and Restauration of Archaeological Sites 1975-1978
HADIDI A.	1981	Archaeological Work of the Department of Antiquities
KENNEDY D.L.	1981	Preliminary Report of a Survey of Roman Military Installations in North-E
KENNEDY D.L. & COWIE R.	1984	Archaeological Explorations on the Roman Frontier in North EastJordan:
LASH Ahmad	2009	Restoration and Excavation at Al-Azraq Castle During 2008
MUSIL A.	1907	Kusejr 'Amra, 2 vols. , Wien.
PARKER S.T.	1976	Archaeological Survey of the "Limes Arabicus" : A Preliminary Report

Author: PARKER S.T.
 Title: Archaeological Survey of the "Limes Arabicus" : A Preliminary Report
 Serial/Volume Name: ADAJ 21,p.19-31,figs.1-3.
 Volume Number:
 Publisher:
 Year: 1976
 Pages: 25

The screenshot shows a web browser window displaying the MEGA Jordan website. The browser's address bar shows the URL www.megajordan.org/Map#. The website header includes the MEGA JORDAN logo and the text "THE NATIONAL HERITAGE DOCUMENTATION and MANAGEMENT SYSTEM". The map type is set to "Satellite". A satellite map of a residential area in Zarqa, Jordan, is shown. A red square on the map indicates a site location, which is highlighted with a red border and a green icon. A light blue callout box with the text "Site Monitoring" and an arrow points to this site. The map includes a scale bar (0 to 0.2 Kilometers) and coordinates (Long.: 36.82454, Lat.: 31.87988). The website navigation menu includes "Reports | Jordan > ZARQA > El-Azraq > AZRAQ". The "AZRAQ" section is highlighted as "Under Review". The "Site Monitoring Events" tab is selected, showing a list of monitoring events: "Monitoring: December 28, 2010 - (Print) - (Edit)" and "Monitoring: Imported from JADIS - (Print) - (Edit)". The "Administration" section shows record creation details: "Record Created By ORIGINAL IMPORT", "Record Created On July 1, 2010", and "Last Modified By". The "Summary" section shows "Overall Condition Rating Unknown", "Overall Threat Rating unknown", and "Recommended Monitoring Schedule Other". The "Monitoring Investigators" section lists "Primary Investigator JADIS IMPORT, DOA" and "Additional Investigator(s) None". The "Ownership" section shows "Status None" and "Description None". A "Photos and PDFs" section is visible on the right side of the page. The Windows taskbar at the bottom shows the system clock as 11:58 PM on 2/1/2012.

The screenshot displays the MEGA-Jordan website interface. At the top, the browser shows the URL www.megajordan.org/Map#. The website header includes the MEGA JORDAN logo and the text "THE NATIONAL HERITAGE DOCUMENTATION and MANAGEMENT SYSTEM". The map type is set to "Satellite".

The main content area features a satellite map of Jordan. A white outline delineates the country's borders. A blue-shaded region in the north-central part of the map is labeled "AMMAN". A callout box with a black border and white background, containing the text "Director Reporting", is positioned over the map with an arrow pointing to the AMMAN area.

On the right side, a "Tasks" sidebar is visible, listing several activities:

- Add a New Site Element**: Enter the location and descriptive information for a new site element.
- Print Site, Site Element, and Monitoring Cards**: Print out blank field data collection forms.
- Manage Citations**: Add a new bibliographic citation to MEGA-J.
- Director Reporting**: MEGA-J Activity Report (highlighted with a blue background).
- Upload Mega File**: Upload .mega file to the MEGA-J database.
- Review Mega Files**: Review existing .mega File from candidate.

At the bottom of the map, there is a scale bar in Kilometers (0, 100, 200) and coordinates: Long.: 36.67236, Lat.: 31.55981. The bottom of the screen shows the Windows taskbar with various application icons and the system clock displaying 12:10 AM on 2/2/2012.

MEGA-Jordan - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

MEGA-Jordan

megajordan.org/Map

YAHOO!

Y! Yahoo Search

MEGA JORDAN THE NATIONAL HERITAGE DOCUMENTATION and MANAGEMENT SYSTEM

Map Type: Sa

Director Reporting

Display: Sites From: 04/08/2011 To: 01/11/2011 Generate Report Export to CSV Show on Map

Date	MEGA Number	Site Name/Element Type	Type	Primary Investigator	Record Created By
05/09/2011 01:38	58773	Rujm al Mukhayyat	Edit Site	Abdullah Bwareed	Abdullah Bawareed
02/09/2011 12:29	58783	AKUZEH II	Create Site	Ahmad Lash	Ahmad Lash
01/09/2011 09:43	58779	KRP 543	Edit Site	Ahmad Lash	Ahmad Lash
01/09/2011 09:33	58779	KRP 543	Create Site	Ahmad Lash	Ahmad Lash
28/08/2011 13:19	58775	KRP 546	Edit Site	Ahmad Lash	Ahmad Lash
28/08/2011 13:16	58775	KRP 546	Create Site	Ahmad Lash	Ahmad Lash
28/08/2011 13:05	10076	DUBAB	Edit Site	Ahmad Lash	Original Import
28/08/2011 13:02	10076	DUBAB	Edit Site	Ahmad Lash	Original Import
24/08/2011 03:33	58774	esh sh shammas toma	Create Site	Samar Habahbeh	Samar Habahbeh
24/08/2011 03:01	11251	MESHHAD	Edit Site	Abdullah Bwareed	Original Import
24/08/2011 03:00	11251	MESHHAD	Edit Site	Abdullah Bwareed	Original Import
24/08/2011 02:56	5694	YUSRA	Edit Site	Khaled Alhawry	Original Import
24/08/2011 00:25	11251	MESHHAD	Edit Site	Abdullah Bwareed	Original Import
24/08/2011 00:15	5694	YUSRA	Edit Site	Khaled Alhawry	Original Import
24/08/2011 00:08	5694	YUSRA	Edit Site	Khaled Alhawry	Original Import
23/08/2011 00:21	58773	Rujm al Mukhayyat	Create Site	Abdullah Bwareed	Abdullah Bawareed
22/08/2011 03:46	9541	ABU HAMID	Edit Site	Husein Jarrah	Original Import

Close

0 100 200 Long: 40.40771, Lat: 33.70606

Reports | Jordan

- Finally we don't want to say that MEGA Jordan is a perfect system
- but it could be one of the good systems to protect ,manage, inventory and monitoring archaeological sites

- **Thank you for your attention**
 - **Ahmad Lash**
 - **Tawfiq al Huniti**