



***Archaeology, Stewardship
and
Preparing for Global Operations
US Lessons Learned***

Dr. Laurie W. Rush, US Army

***"Inevitably, in the path of our advance will be found historical monuments and cultural centers which symbolize to the world all that we are fighting to preserve."
Dwight D. Eisenhower***



Topics



US MILITARY ENVIRONMENTAL PROGRAMS

***APPLYING DOMESTIC CULTURAL RESOURCES MANAGEMENT TO
GLOBAL OPERATIONS***

RESOURCES AVAILABLE

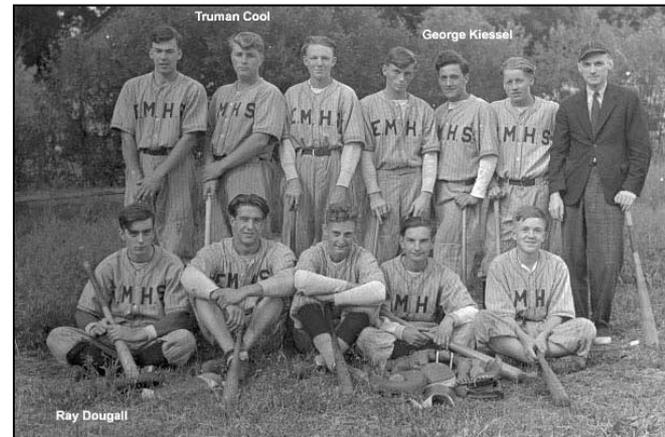
LESSONS LEARNED



US CULTURAL HERITAGE PROGRAMS AT HOME



LOST VILLAGES - LERAYSVILLE





NATIVE AMERICAN CONSULTATION





TRAINING IN ACTUAL ARCHEOLOGICAL SITES



BEFORE



AFTER



REPLICA SITES





STRATEGIC IMPORTANCE/LEGAL DRIVERS

READING THE LANDSCAPE

.

RESOURCES AVAILABLE

LESSONS LEARNED IRAQ



CULTURAL PROPERTY LESSONS LEARNED

NATIONAL GEOGRAPHIC
REPORTING YOUR WORLD DAILY

MAIN ANIMAL NEWS ANCIENT WORLD ENVIRONMENT NEWS CULTURES NEWS SPACE

VIDEO: Ancient Babylon Damaged



01:56
PAUSE

Email to a Friend

A screenshot of a National Geographic video player. The video title is "VIDEO: Ancient Babylon Damaged". The video content shows a large stone statue of a lion and a rider. The player interface includes a progress bar at 01:56, a pause button, and an "Email to a Friend" link.



EDUCATION FOR MEDIA ISSUES

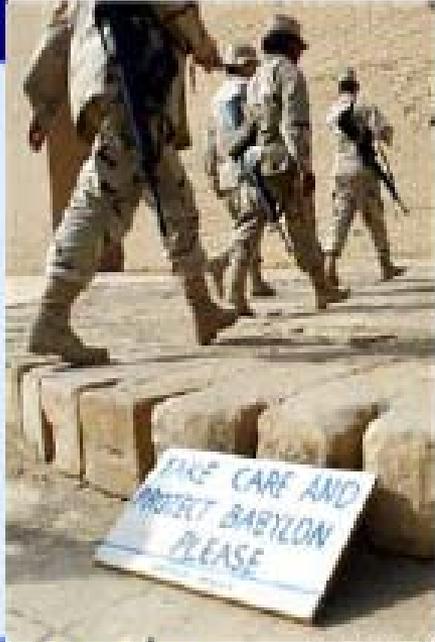
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- Editors' Picks



John Moore / AP



Brian Macquie / AP file

Most famous for the Hanging Gardens built by Nebuchadnezzar, one of the seven wonders of the ancient world, large parts of it were reconstructed by Saddam in an attempt to associate himself with his country's past glories.

In the report, Curtis described the decision to set up a base in the area as "regrettable."

U.S. reportedly damaged ancient Babylon

Museum claims military caused 'substantial damage'

U.S. Army soldiers tour through the rebuilt ruins of 4,000-year-old city of Babylon is viewed from the Palace of exiled Iraqi ruler Saddam Hussein, 50 miles south of Baghdad, Iraq, in this July 16, 2003 photo.

U.S. Army soldiers tour through the rebuilt ruins of 4,000-year-old city of Babylon, Oct. 20, 2004.



UR ACCESS ISSUES





LEGAL DRIVERS

National Historic Preservation Act

California Ninth District Court “Dugong” Decision

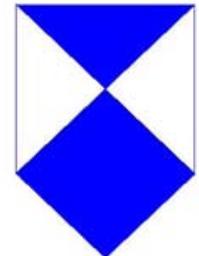
Hague Convention – Ratified

Overseas Environmental Baseline Guidance Document

Annex L To Operations Plan

Law of War

Iraq – Strategic Framework Agreement





READING THE LANDSCAPE AND AVOIDING IMPACTS



ENVIRONMENTAL PLANNING AND TRAINING MIDDLE EAST

Awareness of Diverse Resources
– Not Just Pyramids, Tells, and Ziggurats!



Ability to Identify Sensitive Areas
Appreciation of Layers of Occupation
Situational Readiness

Understanding Impacts – Physical and Strategic
Informed Shopping



ENVIRONMENTAL PLANNING





NON-SHIPWRECK SUBMERGED HERITAGE

If you can see old structures or know that there are archaeological sites on the shore it is likely that there will be submerged cultural heritage in the area.





UNDER WATER ISSUES





URBAN LANDSCAPES





“ ”

VISIBLE FEATURE “SYNDROME”





READING THE LANDSCAPE





LAYERS OF OCCUPATION





UNDERSTANDING IMPACTS





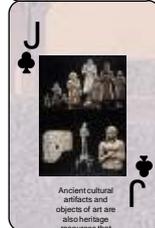
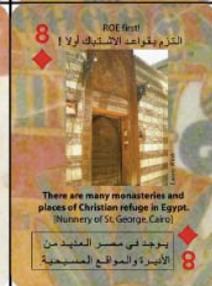
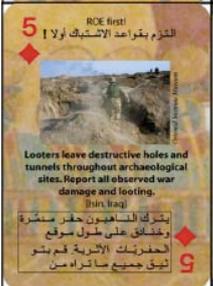
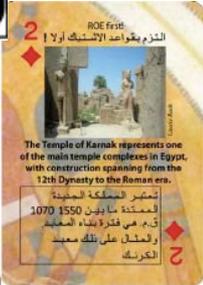
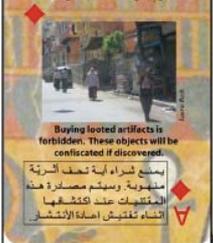
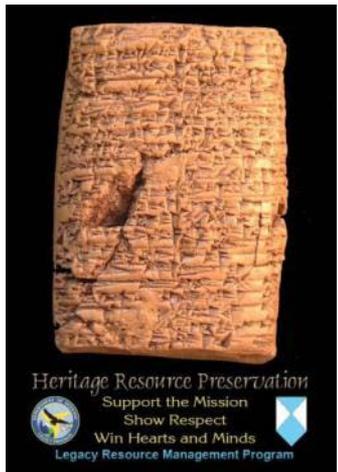
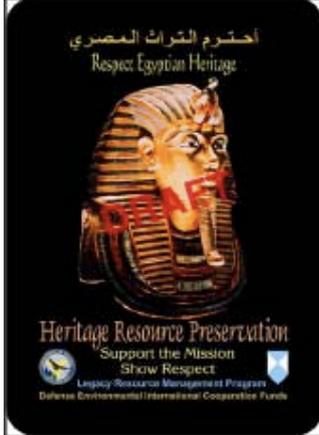
RESOURCES





“ ”

“FAMOUS” PLAYING CARDS





SOLDIER POCKET CARDS

Heritage Preservation
ROE first!
Pocket Guide for US Military Personnel

المحافظة على التراث
التزم بقواعد الاشتباك أولاً!
دليل جيب لأفراد الجيش الأمريكي

ما هو الموقع الأثري؟
 ❖ بنايات قديمة أو بقايا أثرية
 ❖ تحف أولقى الأثرية ظاهرة على السطح
 ❖ مميزات الأثرية للذخائر مثل ركام أو بقايا بوبوت أو لوسية أو مشاطل أو كذاهدر أو مواقع سكن أو كرحال

ما هي التحف أو البقايا الأثرية؟
 ❖ أشياء أو أجزاء من الأشياء تركت من قبل الناس الأوائل

أين احتمال وجود هذه المواقع؟
 ❖ ركام الرابي قد يغطي بقايا أثرية
 ❖ مصدر مائي في بيئة جافة
 ❖ مكان أو موقع نظامي

إذا كان هناك موقع أثري:
 ❖ رتق لحد العنبريط المسؤولون
 ❖ أحد المكان بشرط عتسي وأجعله بعيداً عن المثل
 ❖ اطلب استشارة الفقة المحليين
 ❖ قم بتحديد الموقع والتقط صور له إن أمكن
 ❖ رتق عن أية أداة لتسوية أو التثبيت
 ❖ أبع الضرورة القسوى والحد الإناسي الحفر أو لاية نشاطات للتعبير متبينة الأرض
 ❖ أملا لأكرين لرمق في أماكن أخرى

إذا صادفتك تحف أو بقايا أثرية:
 ❖ توقف عن الحفر فوراً
 ❖ لا تتعامل أية مكبات أو معدات ثقوية
 ❖ لا تبيع مبرنتك أو عربتك فوق بقايا الأثرية أو الطرق القديمة

Where are sites likely to occur?
 Areas covering ruins are likely to be
 dumps, ruins of homes and campsites
 Objects left behind by earlier people
 Large tape and put it off limits
 Take photographs if possible
 Avoid other earthmoving activity
 Ruins:
 OR
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BEWARE

The enemy may use cultural properties including ruins, cemeteries, and religious buildings as firing points. Follow rules of engagement.

Buying looted artifacts funds the enemy and encourages theft and more looting. It can include but is not limited to stone tools, carvings, pieces of architecture, statuary, and jewelry.

Sight-seeing could put you in harm's way. Avoid avoid attack!

**NO COLLECTING
NO GRAFFITI
NO VANDALISM**

Support the Mission
Show Respect
Win Hearts and Minds

PAS OP!!

De vijand kan cultureel erfgoed zoals ruïnes, oude begravingen en religieuze gebouwen gebruiken als posities voor schietposities of geschut. Handel volgens de RoE.

Koop en verkoop van illegaal verkregen oudheidkundige voorwerpen kan meehelpen aan de financiering van opzetting van de vijand. Dit stimuleert verdere plundering en diefstal van objecten als munten, potten en vazen, stenen werktuigen, houten jukken, decoratieve onderdelen van bouwwerken, sculpturen, schilderingen en sieraden.

Niet bezoeken van bezienswaardigheden mag alleen met toestemming van uw hogere commandant.

**NEEM NIETS MEE
BRENG GEEN GRAFFITI AAN
GEEN VANDALISME**

Steun de missie
Toon respect
Win Hearts and Minds



Archaeology Check List

You have a ground disturbing project.

Check the maps and walk the site. Is it archaeologically sensitive?

No

Yes

Move Out, Be Aware

Can you plan for avoidance?

Yes

No

Bring in the ECO

Does the archaeology appear to be significant? See also checklist i, j, and k, disturbed contexts, fill, and isolated finds.

No

Yes

Document the find, See Phase 2 Checklist c-g

ECO initiates reach back and coordination

Is there a mitigation plan?

Yes

Implement Mitigation Plan

Is the project mission critical?

No

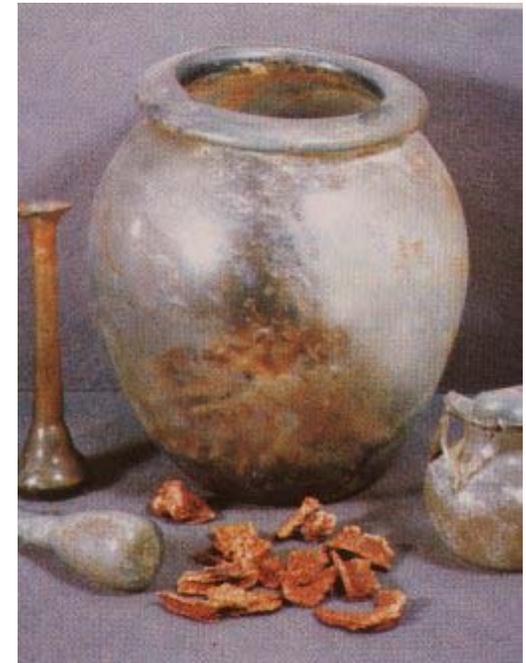
No

Rethink the project and retrace the steps

When complete

Minimize Impacts

Yes



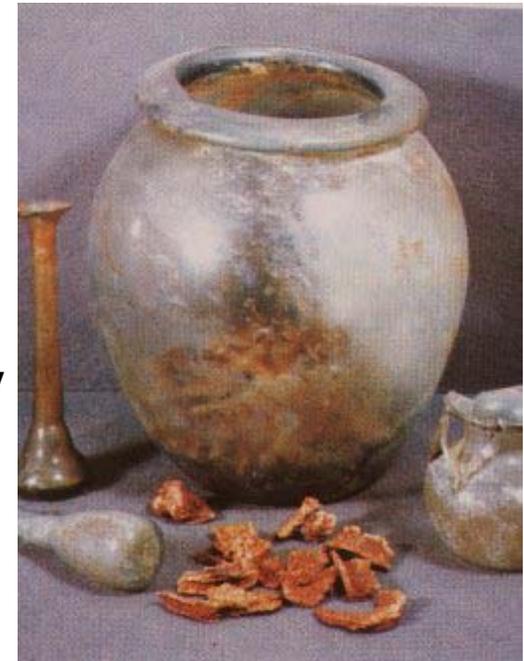


Checklist Supplement: Always beware of the possibility of encountering buried human remains. On military bases, there may be buried remains of Iraqi military personnel in addition to the possibility of ancient burials. Always show the greatest respect if encountering human remains.

Iraqi Cemetery at Kirkuk



Sometimes people are buried in pottery vessels in ancient Mesopotamia.



Also – Respect Iraqi Monuments



Interment at Tell Arba'ah Kabiir



INTERPRETING LANDSCAPE FEATURES





PLANNING AND COORDINATION

التخطيط و التنسيق

MODELS FOR SUCCESS

نموذج النجاح





WAY FORWARD BUILDING ON LESSONS LEARNED IN IRAQ



CONTINUE TO TEACH SOLDIERS



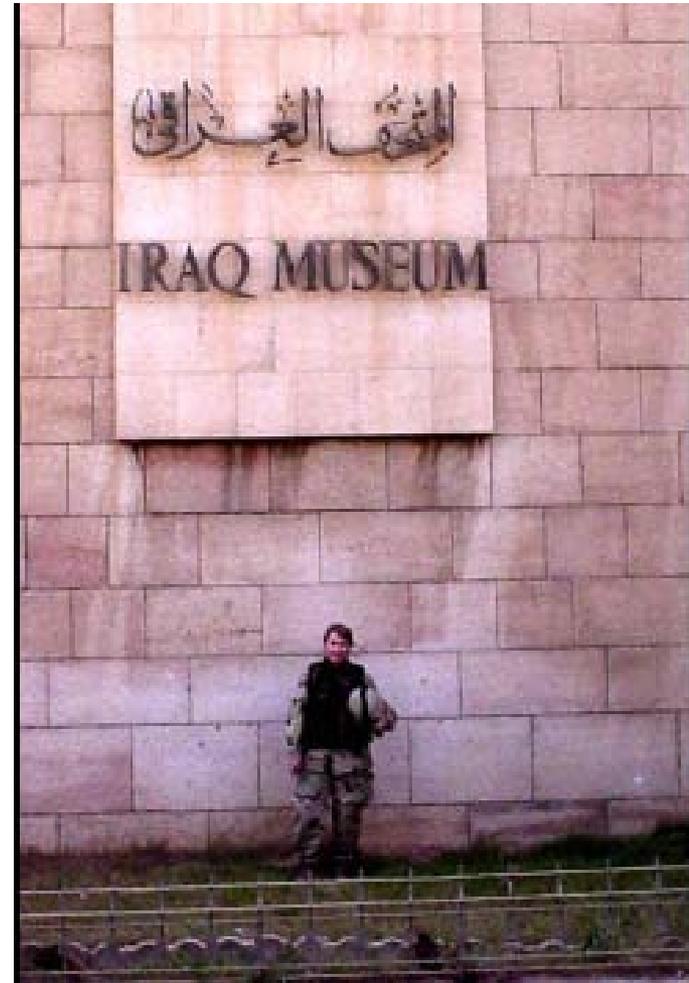


FIRST ON SITE TRAINING FOR US PERSONNEL IN THE MIDDLE EAST, SAQQARA EGYPT





REBUILD SOUND DOD PROGRAMS





MAINTAIN DIPLOMATIC RELATIONS





CONSIDER LOCAL COMMUNITIES BEDOUIN GUARDS AT LARSA





STEWARDSHIP AT URUK



