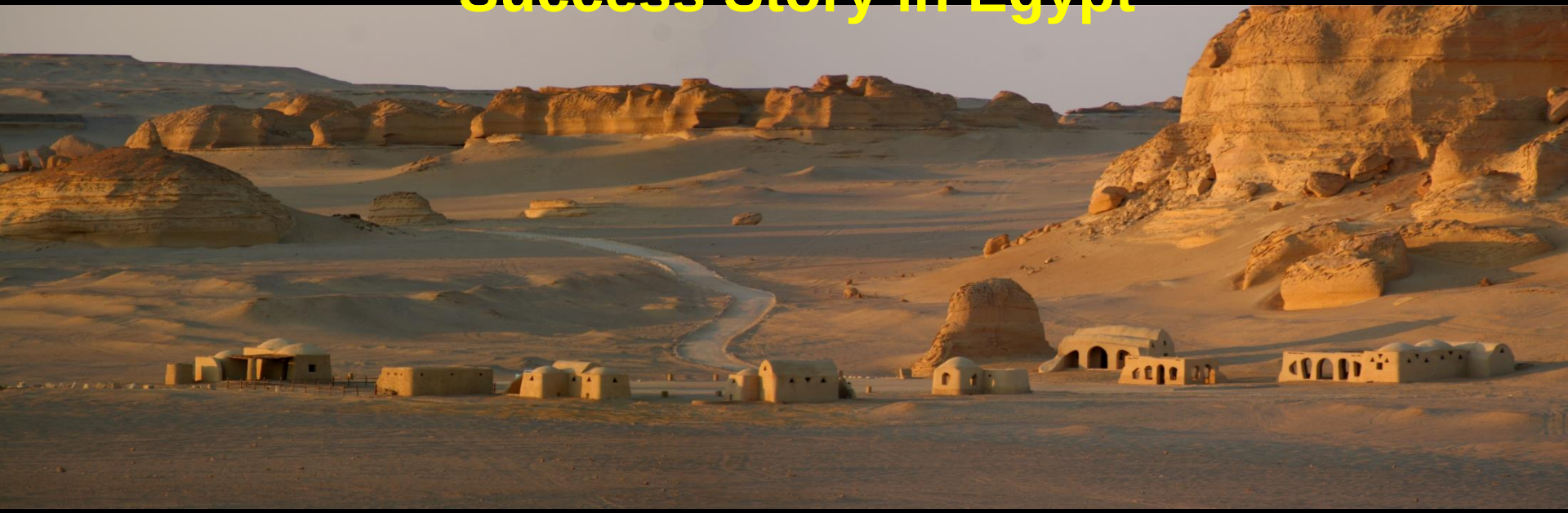
Wadi EL- Hitan

Success Story in Egypt



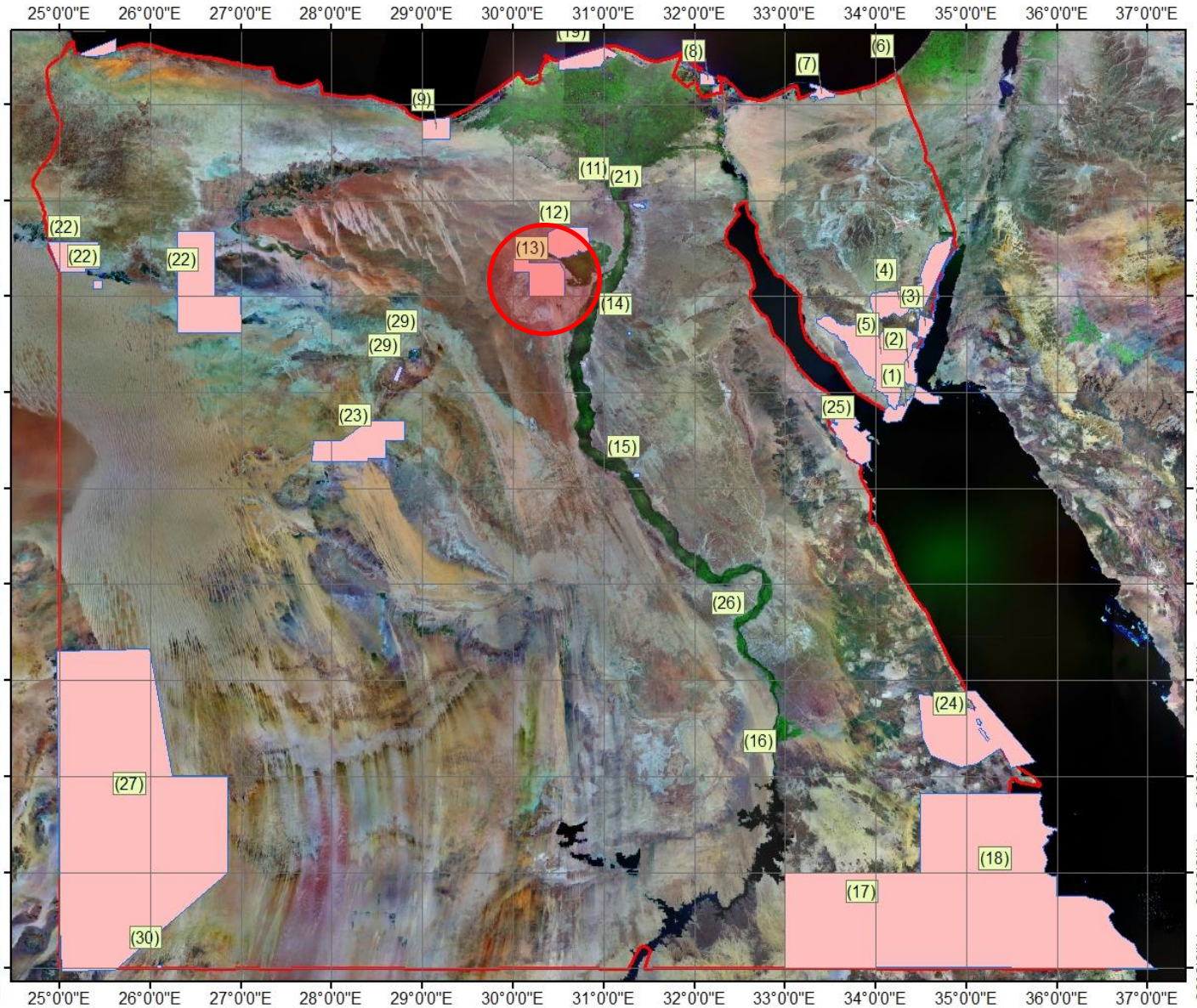
Mohammed sameh M Antar

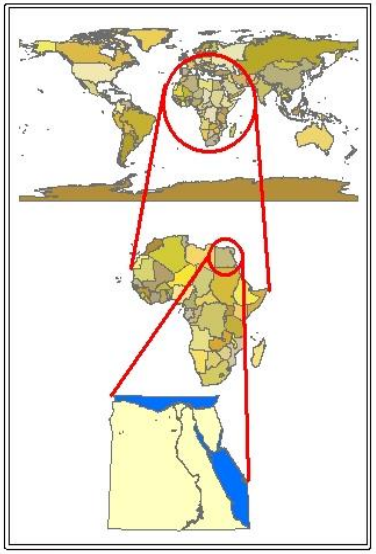
PhD Vertebrate paleontology/ national focal point for nature heritage

Nature Conservation Sector

Egyptian Environmental Affairs Agency

Existing Egyptian Protectorates





Existing Protectorates
Egypt International Border

Projection: UTM, WGS 1984
Datum: WGS 1984
BaseMap:
Source: Egyptian Military Survey Authority
Scale: 1:250,000
Date: 14 March 2003
Raster Information:
Sensor: Landsat7 ETM+
Resolution: 30m
Date: 2000
Band Combination: 7,4,2
Source: NASA

N
W
E
S

Kilometers
0 30 60 120 180

Ministry of State for Environmental Affairs
Egyptian Environmental Affairs Agency
Nature Conservation Sector

(1) Ras Mohamed	(7) Zaranik	(13) Wadi Al-Rayan	(19) Burullus	(25) Red Sea Islands
(2) Napq	(8) Ashtum El-Gamil	(14) Wadi Sannor Cave	(20) River Nile Islands	(26) Dababia
(3) Abu Galum	(9) Omayed	(15) Wadi Asiuty	(21) Wadi Degla	(27) El-Gulf El-Keber
(4) Taba	(10) Petrified Forest	(16) Saluga & Ghazal	(22) Siwa	(28) El-Salum
(5) St. Katherine	(11) Hassana Dome	(17) Wadi Alaqi	(23) White Desert	(29) Baharya Oasis
(6) Al-Ahrash	(12) Qaroun	(18) Elba	(24) Wadi El-Gemal	(30) Gabel Kamel

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Designed and produced by Eng.Haitham Farouk, 1/2013

Position & Area

Wadi El Hytan
Fossil Area
وادي الحيتان
منطقة حفريات متحجرة
Gar Gohannam Mountain
جبل قارة جهنم
Gar El Saidcia
قارة السعدية
Land reclamation
إستصلاح أراضي
Oil extraction
مكان استخراج بترول
Pumpstation
محطة رفع
Ice factory
مصنع ثلج
Fish collection unit
وحدة تجميع اسماك
Fish farm
مزرعة سمكية
البحيرة العليا
Upper Lake
البحيرة السفلى
Lower Lake
El Modowara Mountain
جبل المدوره
Land reclamation
أرض مستصلحة
El Mashghiga Mountain
جبل المشجيحه
Manakir El Rayan El Baharia
مناقر الريان البحرية
Springs Area
منطقة عيون مائية
Darb el mallaha
درب الملاحة
Darb el wahat
درب الواحات
Manakir El Rayan El Keblia
مناقر الريان القبلية
El Masakhit Mountains
جبال المساخيط
El Esh Mountains
جبال الأش
El Mawalek
المواليك
Narmoutis (Medinet Madi)
آثار نارموتس (مدينة ماضي)
Nagib Sharabi
نجيب شرابي
To Cairo
الى القاهرة
To Beni Suef
الى بني سويف
Ibrahim
El- Monshaa Qarun
Izbet Al Misharrak
عزبة المشرق
Kahk al-Qibliyyah
كحك القبلية
Al Misharrak Qibli
المشرق قبلي
Al- Shawashnah
الشواشنة
Markaz Ibshaway
مركز ابشواى
An-Nazlah
النزلة
Izbet Wadi El Rayan
عزبة وادى الريان

LEGEND تعليمـــات

Boundary of WRPA	حدود المحمية
Asphalt road	طريق مرصوف
Track	مـــدق
Sand dune	كثبان رملية
Vegetation	الغطاء النباتى
Economic activities	أماكن الأنشطة الاقتصادية
Check point	نقطة التفتيش و الرسوم
Headquaters	المركـــز الرئيسى
Outpost	موقـع مراقبـة
Archaeological site	مكان أثرى
Bird-watching site	مكان مشاهدة الطيور
View point	نقطـة مشاهدة
Visitor center	مركـز الزوار
Camping site	مكـان التخييم

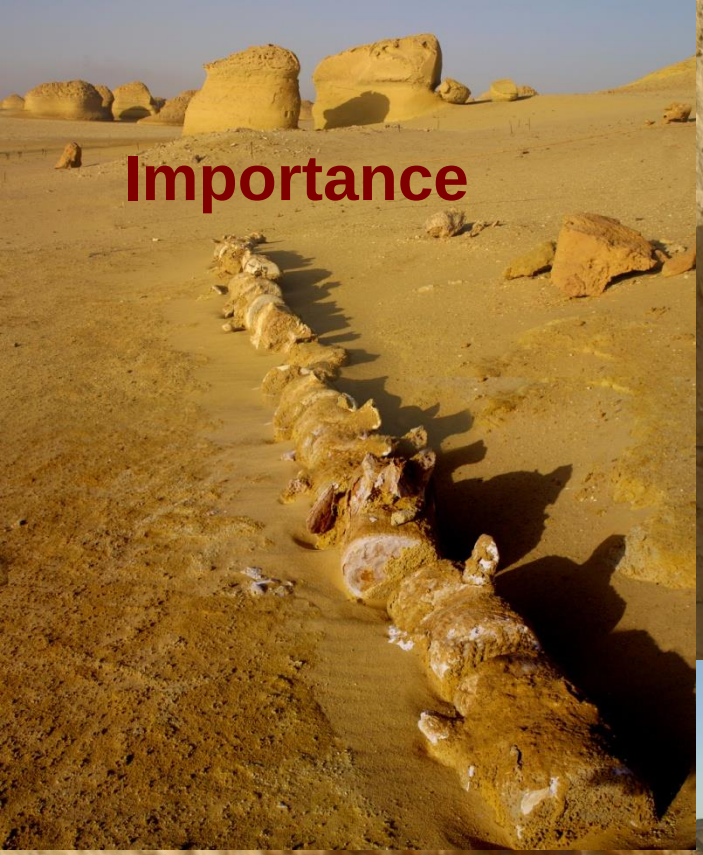
-50 0 50 100 150 200 Meter over s.l.

مقياس الرسم ١ : ٨٠٠٠

KM 0 5 10 20 30 40 50 60 70 80 KM

Scale 1 : 8000

Importance

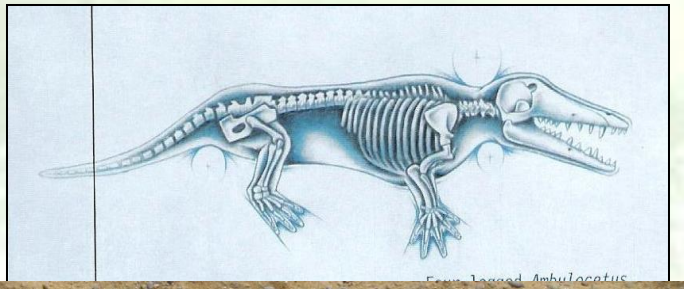


10/01/2011

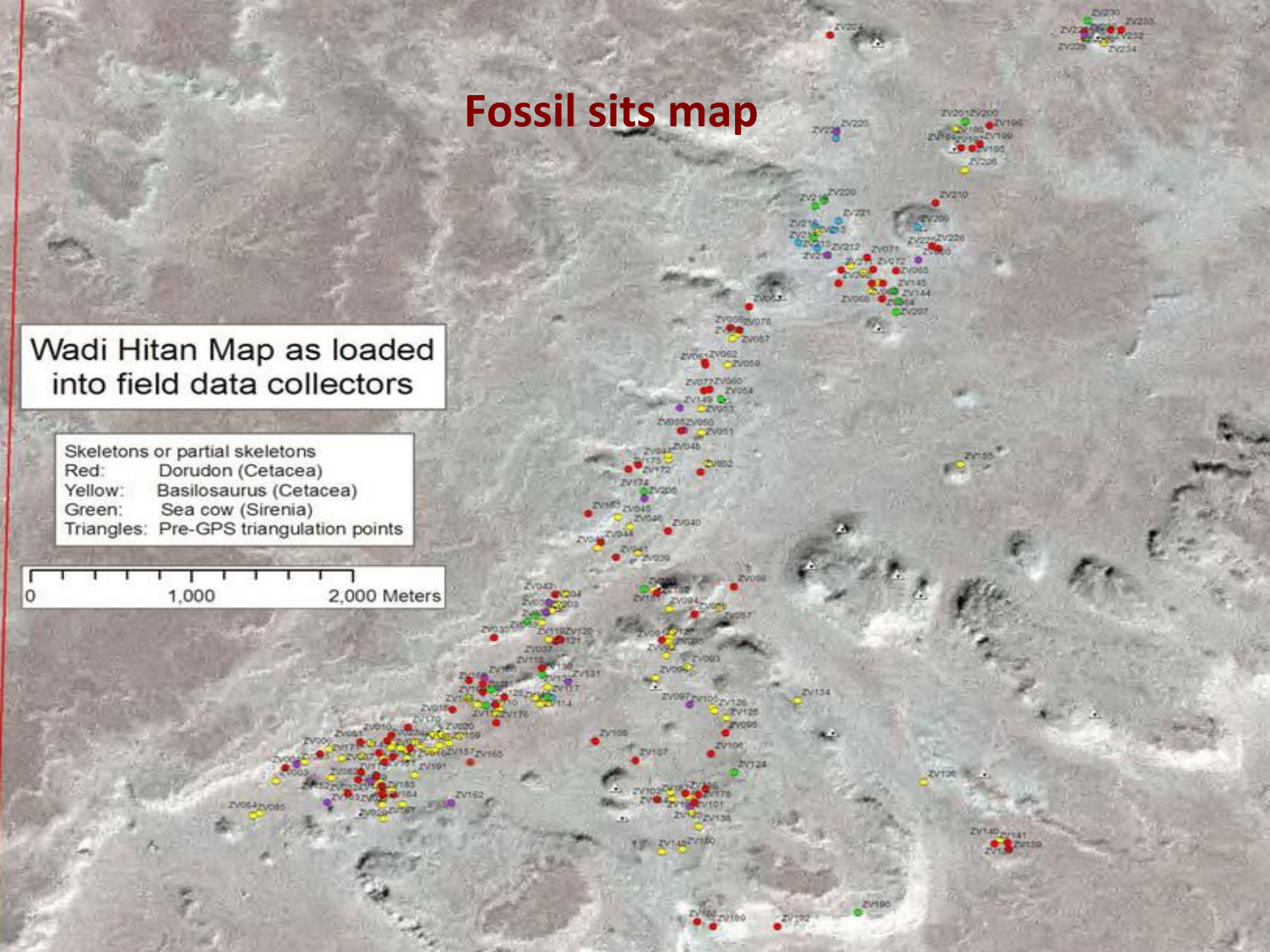
Discovering

Research history

Declaration

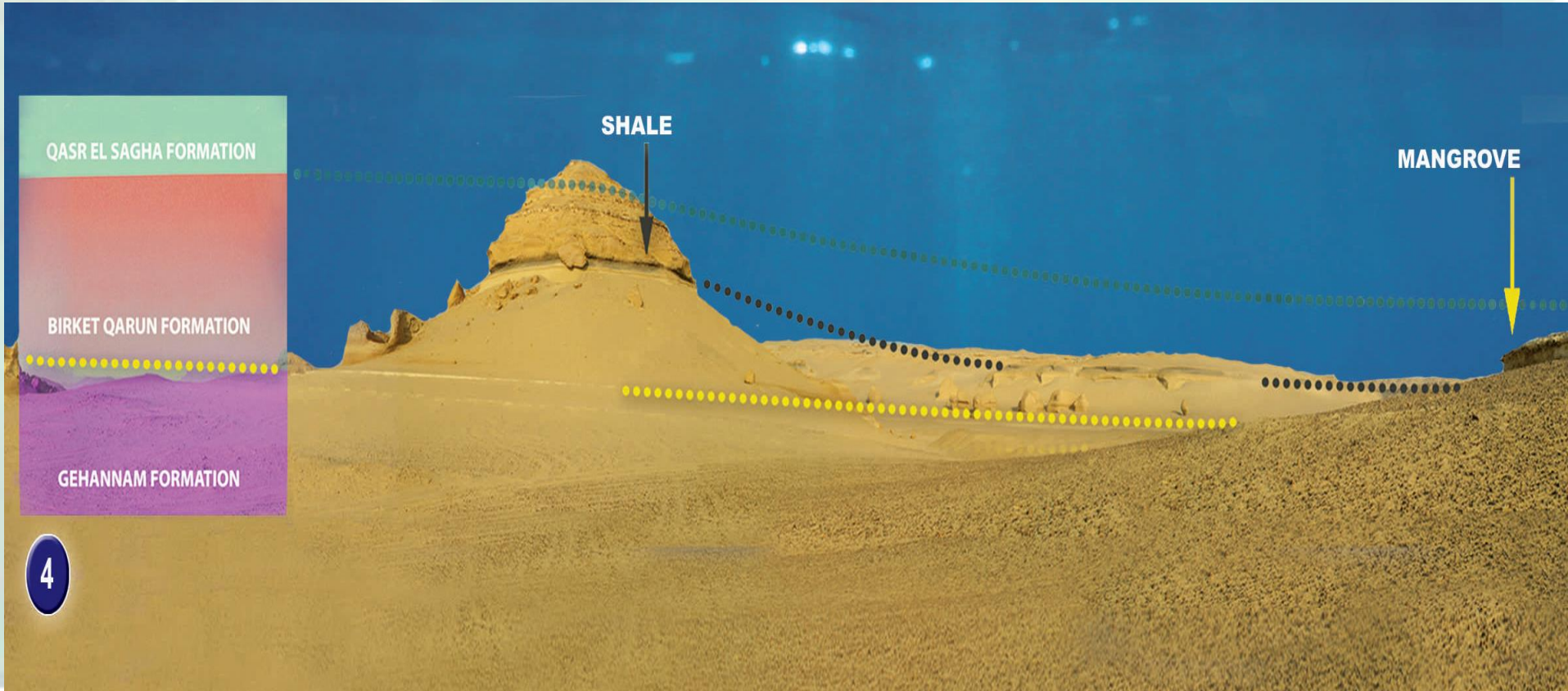


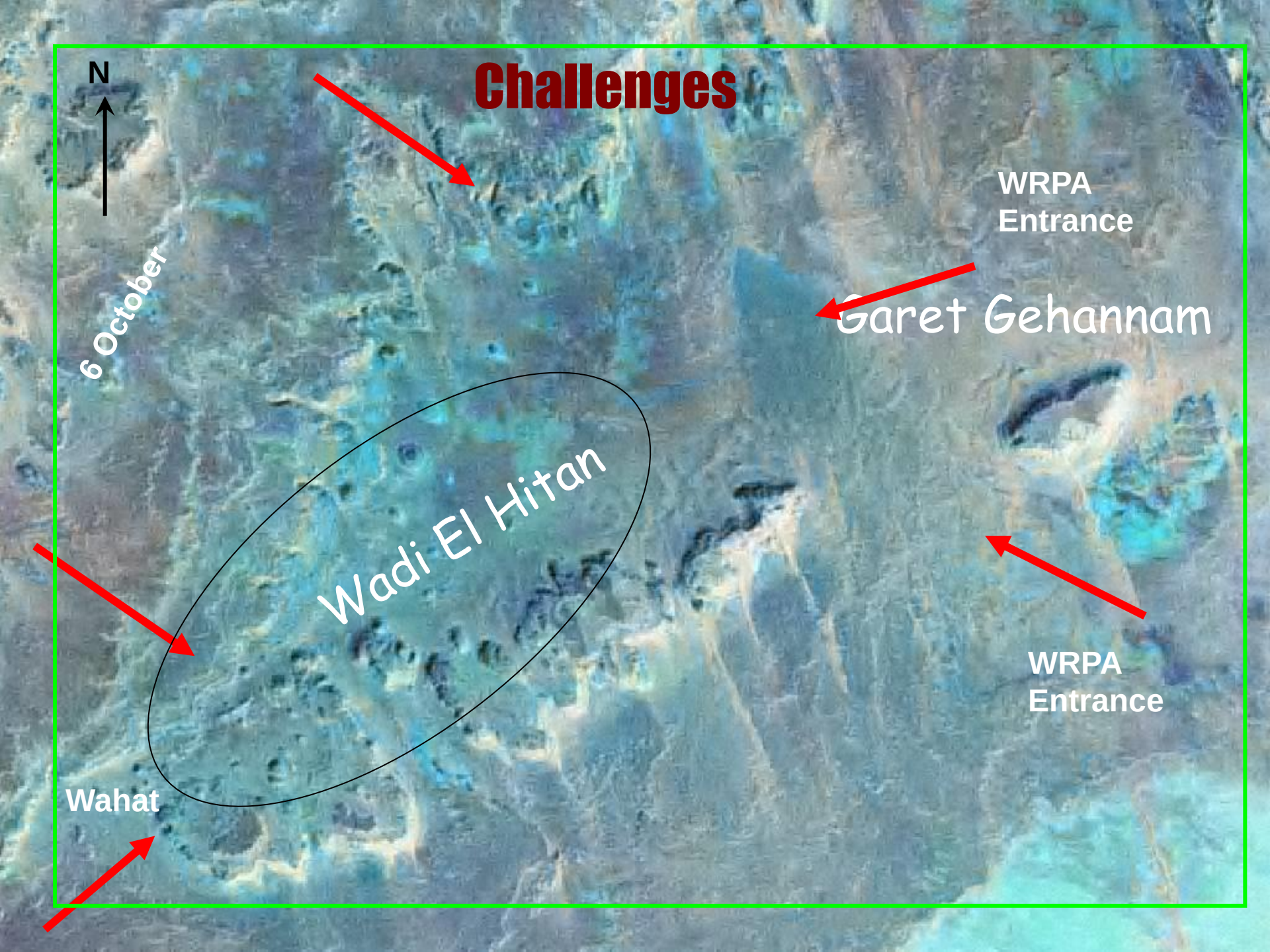
Fossil sits map



Geological features

Stratigraphy




Challenges
N
6 October
WRPA
Entrance
Garet Gehannam
Wadi El Hitan
WRPA
Entrance
Wahat

The management plan for Wadi El-Hitan

CORE PLANNING TEAM

Dr. Mohamed Sameh Mohamed

wrpashark@yahoo.com

002 01006345079

Dr. Mohamed Talaat El-Hennawy

mthdorcas@yahoo.com

002 01005763613

The management plan for Wadi El-Hitan

- proposed management plan was made by WRPA staff and it should be activated by:
- A main team work within wrpa.
- A supervising committee within the NCS.
- This plan could be summarized in:

Attitudes

There should be a permanent presence within the area for its management (supported by infrastructure, equipments, trained young people…etc.) through:

1. Establishing a good track to WH.
2. Closing all the entrances using natural existences as mountain formations…etc.
3. Establishing an administrative building, a parking place, a camping place, a wc.
4. Establishing an open air museum.
5. Establishing foot paths to the well-chosen fossil sites.
6. To support the educational and communicational programs.
7. To develop environmental tourist programs.
8. To activate the scientific research locally and nationally.
9. Build national team (vertebrate paleontologist and prepators)
10. To establish a self mechanism to support the site financially.

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10. To spread out the idea of natural heritage as a source of sustainable finance for local communities. (Museums and exhibitions for tourism, crafts, capacity building for CBNRM…etc)

Wadi EL-Hitan
World Heritage Site (Core area)

200m
175m
150m
120m
175m
150m
175m
Existing track to become a walking track
New track

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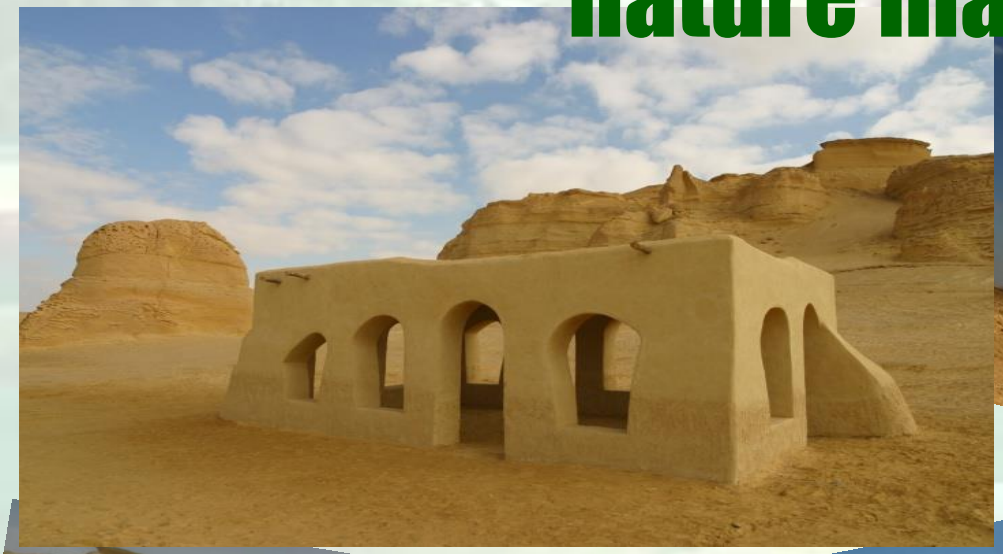
Essential Infrastructure

Infrastructure established by using nature materials



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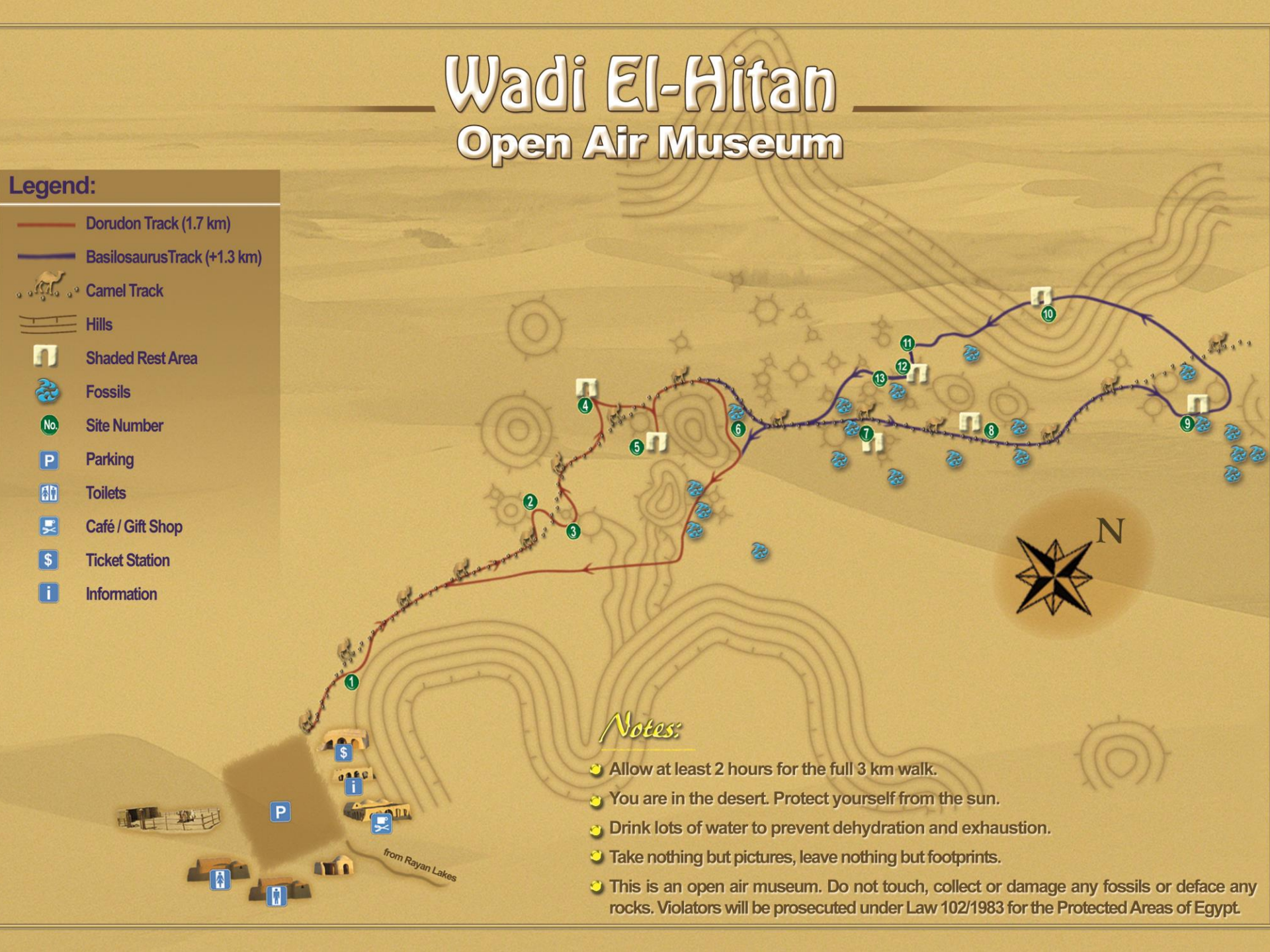
Prepare the fossils in the open air museum

Prepare the fossils in the open air museum

Footpath tracks inside the valley

Wadi El-Hitan
Open Air Museum



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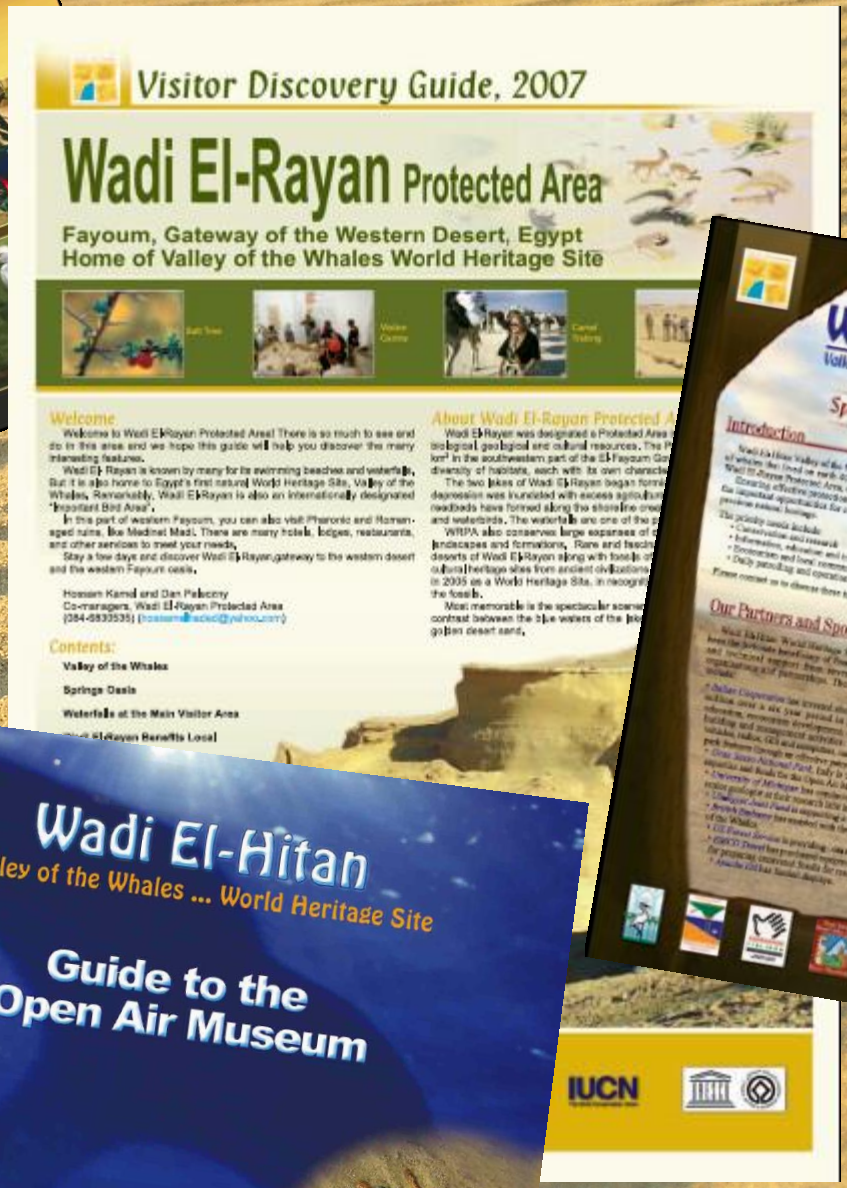
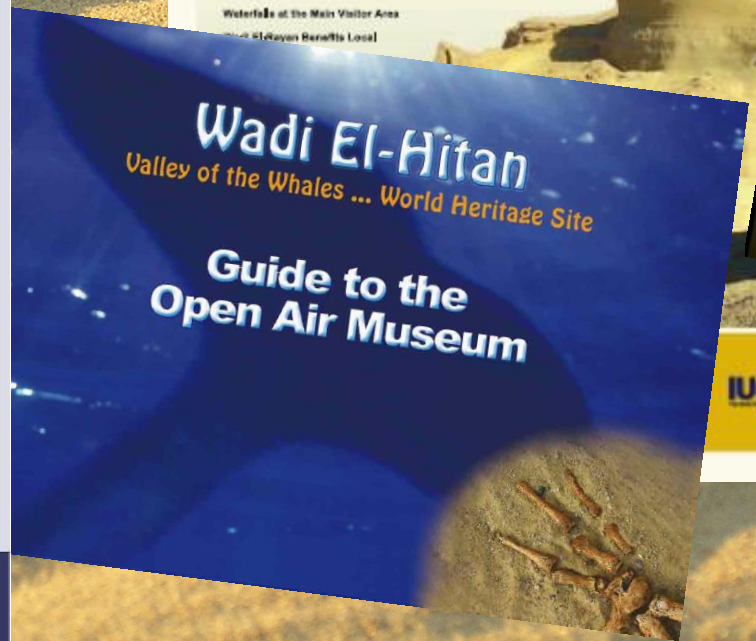
Information panels

BIRDING IN WADI EL-RAYAN
PROTECTED AREA


Visitor Discovery Guide, 2007
Wadi El-Rayan Protected Area
Fayoum, Gateway of the Western Desert, Egypt
Home of Valley of the Whales World Heritage Site
Welcome
About Wadi El-Rayan Protected
Contents:
Valley of the Whales
Springs Oasis
Waterfalls at the Main Visitor Area

Wadi El-Hitan
Valley of the Whales...World Heritage Site
Wadi El-Rayan Protected Area, Fayoum, Western Desert, Egypt
Newsletter 2006
Fayoum's New International Destination: Balancing Protection and Ecotourism
Planning for the World Heritage Site Begins
Why a World Heritage Site
IUCN


Wadi El-Hitan
Valley of the Whales ... World Heritage Site
Guide to the
Open Air Museum

Wadi El-Hitan
Valley of the Whales ..... World Heritage Site
Sponsorship Opportunities
Introduction
Our Partners and Sponsors
IUCN

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Co operation nationally and internationally

Excavation of the largest and most complete basilsaurus

Photo 185

TOYOTA

Wadi El Hitan Team

TOYOTA

Building national team to restore fossils(local community)

Basilosaurus after preparation (18m length)

Du\ourdon Skelton (لاول مرة بواسطة فريق عمل مصري)

أضخم حوت باسيلوسورس تم اكتشافة

اعادة اكتشاف حيوان الفيوم القديم لاول مرة منذ 1906

اكتشاف بعض العينات الحفرية التي ستصبح مثار جدل العلماء

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Fossil and climate change museum

Fossil and climate change museum

Wadi El Hitan Egypt

Fossil and climate change museum

Wadi El Hitan Egypt

Fossil and climate change museum

Wadi El Hitan Egypt

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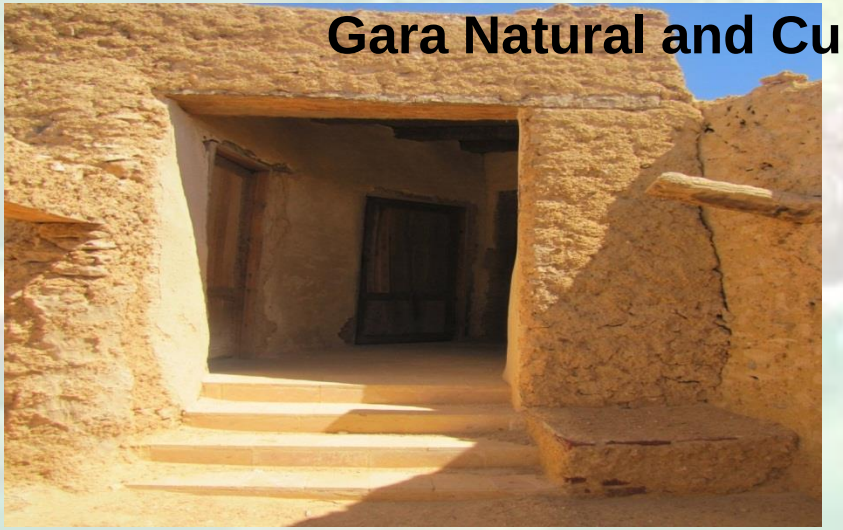
Future Plans

Gara Natural and Cultural Museum

Future Plans

Gara Natural and Cultural Heritage Museum

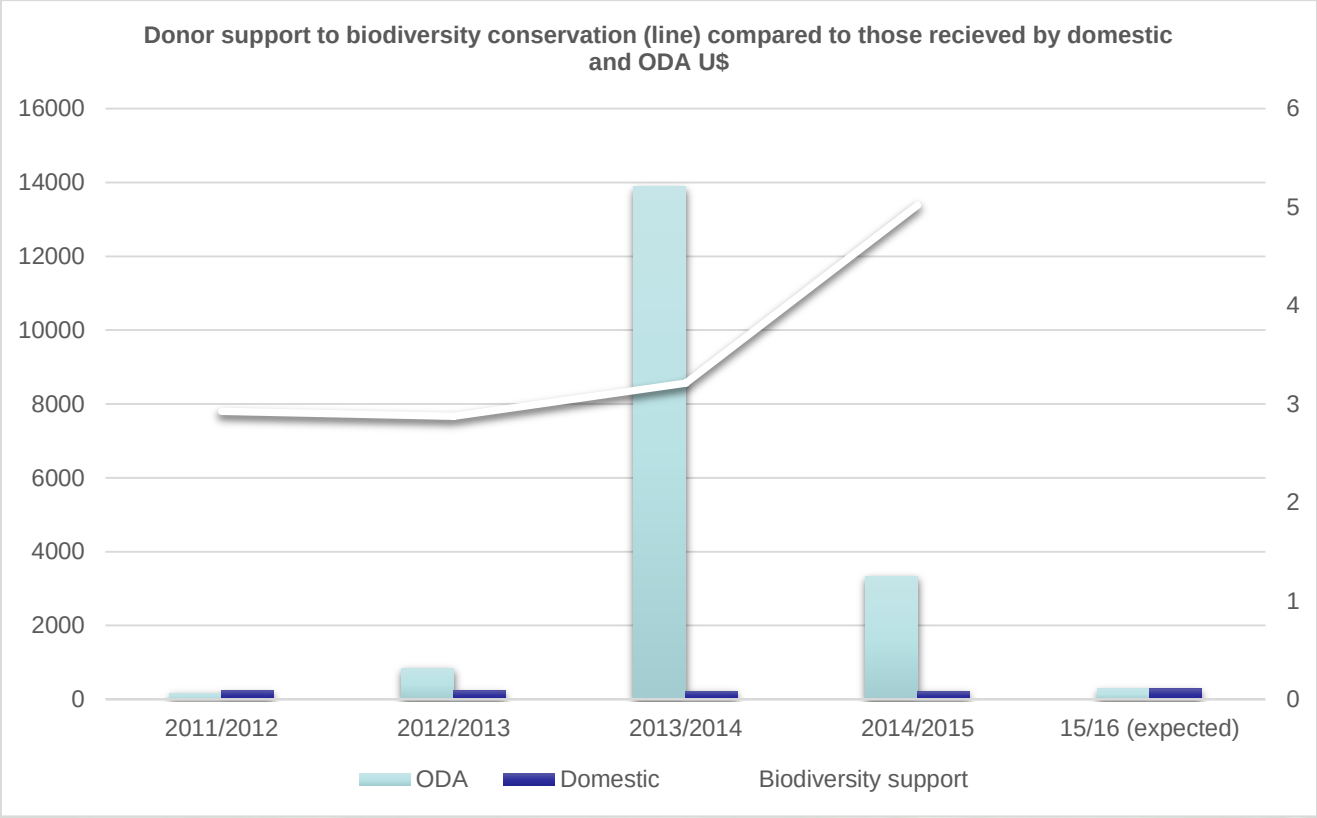


Wadi El Hitan expenditure

The total spend on the general environmental protection in Egypt according to the official governmental budget from **2010 up to 2014** is about **913.6 millions** of U$ from which about **17.355** were spent on activities directly related to biodiversity conservation and management with a ratio of around **1.9 %** of the net expenditure. With an annual per capita expenditure on all of the protectorates of less than LE 1 (around 1/8 U$). And **0.1 % spent on Wadi ElHitan**

The limited annual budget of NCS which is about LE 20 m (almost less than U$ 3 millions) is used with less than 60-75% Efficient. Except the last 2 years, the NCS budget was almost be deducted annually to cover some needs of other sectors and departments of EEAA.

Wadi El Hitan expenditure



Donor support to biodiversity conservation (line) compared to those received by domestic and ODA for net environmental protection from 2011 up to 2015 U$

Collaboration with the local society

- Using local community to work within the place as camel owners near the protected area and working members as well.
- Training the local people on the handmade products to raise their standard of living (65 families till now)
- Giving lectures of the importance of the environment all over Fayoum.
- Asking aid from local people through build working and training them on using old ways of building as using raw bricks

WADI EL-HITAN

PREMIUM NATURAL DRINKING WATER
The Coca-Cola Company

Wadi El Hitan Team
Israa saber
Abed elsameaa nada
Bakry aboelharth
Hussin ali
Nasser mohammed
Amro a mola
Mahr radwan
Ramdan ali
Mohamed Sameh
شكراً
THANK YOU

شكراً

THANK YOU

The Mammals