

MINERALOGICAL / PETROGRAPHIC DIVERSITY

-bedrock geology-superficial geology-fossil evidence

PALAEONTOLOGICAL
DIVERSITY
-earth history
-evolution

**GEODIVERSITY** 

STRUCTURAL AND TECTONIC DIVERSITY

-continental evolution
-structural history
-regional and local structure

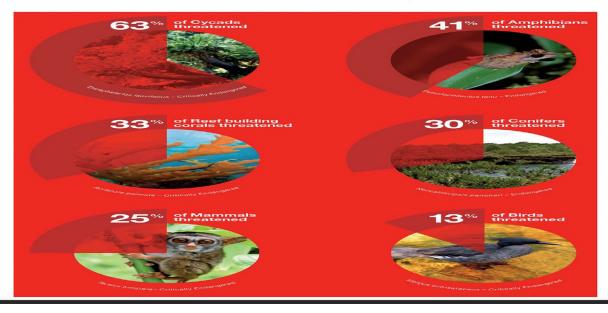
GEOMORPHOLOGICAL AND PEDOLOGOGICAL DIVERSITY

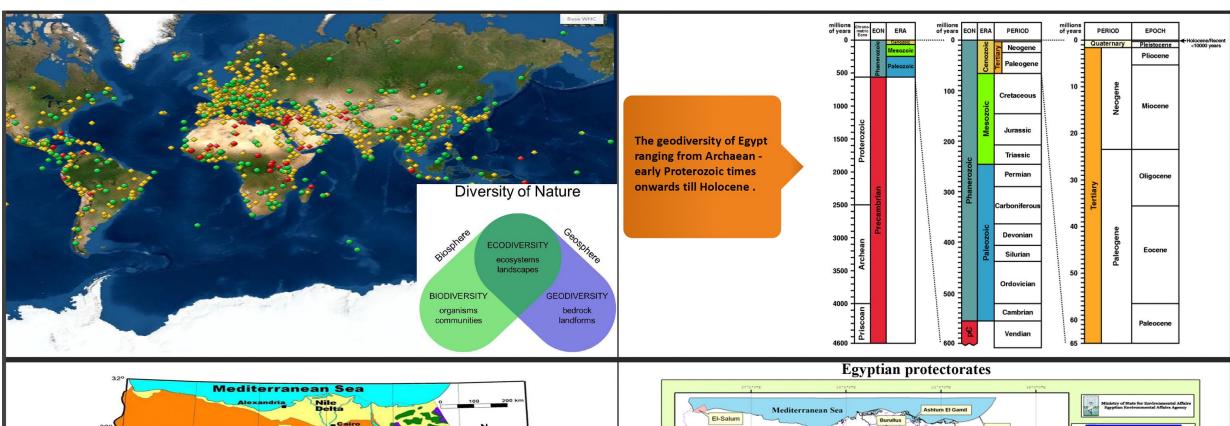
-geological inheritance
-landform history
-landform and soil patterns
-landscape sensitivity to change

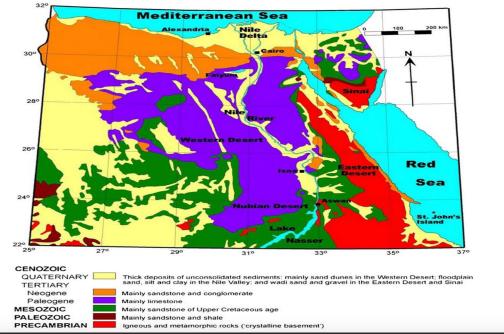
## Protected areas

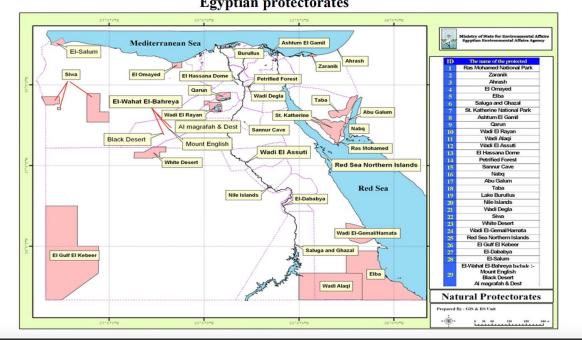


# **IUCN Red List of Threatened Species**







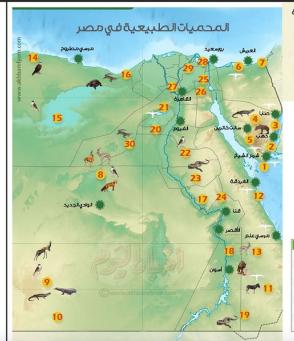


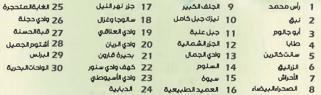
### Protectorates declared in the framework of Law 102 of year 1983

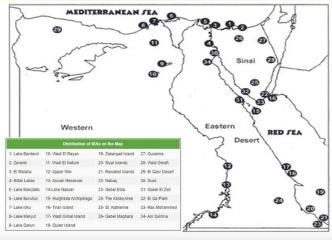
Protectorates Name	Declaration	Area (km²)	Governorate	Coordinates
Ras Muhammad National Park	1983	850	South Sinai	27.7222°N 34.2539°E
Azzaraniq Protectorate near Arish	1985	230	North Sinai	31°06′00″N 33°26′31″E
Azzaraniq Protectorate near Arish	1985	230	North Sinai	31°06′00″N 33°26′31″E
Ahrash Protectorate near Rafah	1985	8	North Sinai	31°17′31″N 34°13′13″E
<u>el-Omayed Protectorate</u> near Alamin	1986	700	Matrouh Governorate	30°49′05″N 29°09′44″E
Gebel Elba National Park	1986	35600	Red Sea Governorate	22°11′16″N 36°22′14″E
Saluga and Ghazal Protectorate	1986	0.5	Aswan	24°05′37″N 32°53′13″E
Santa Katrine National Park	1988	5750	South Sinai	28°33′20″N 33°58′34″E

Protectorates Name	Declaration	Area (km²)	Governorate	Coordinates
Ashtum El Gamil Protectorate	1988	180	Port Said	31°15′35″N 32°09′34″E
Lake Qarun Protectorate	1989	250	Fayoum	29°27′13″N 30°34′51″E
Wadi Elrayan Protectorate	1989	1225	Fayoum	29°08′52″N 30°23′33″E
Wadi Allaqi Protectorate	1989	30000	Aswan	20°20′N 32°40′E
Wadi el-Assuti Protectorate	1989	35	Assuit	27°12′44″N 31°20′21″E
El Hassana Dome Protectorate	1989	1	Giza	30°01′38″N 31°03′44″E
Petrified Forest Protectorate	1989	7	Cairo	29°58′49″N 31°27′27″E
Sannur Valley Cave Protectorate	1992	12	Beni Suef	28°37′23″N 31°17′11″E

Protectorates Name	Declaration	Area (km²)	Governorate	Coordinates
Nabaq Protectorate	1992	600	South Sinai	28°16′41″N 34°22′48″E
Abu Galum Protectorate near Taba	1992	500	South Sinai	28°52′25″N 34°27′31″E
Taba Protectorate	1998	3595	South Sinai	29°30′N 34°53′E
Lake Burullus Protectorate	1998	460	Kafr El Sheikh	31°29′N 30°52′E
Nile Islands Protectorates	1998	160	All Governorates on the Nile	Example: 29°59′03″N 31°13′35″E
Wadi Degla Protectorate	1999	60	Cairo	29°57′34″N 31°19′54″E
Siwa Oasis	2002	7800	Matrouh Governorate	29°11′N 25°33′E
White Desert	2002	3010	New Valley Governorate	27°03′30″N 27°58′12″E
Wadi el-Gemal near Hamata	2003	7450	Red Sea Governorate	24°17′10″N 35°22′45″E







# St. Katherine Protectorate

### St. Katherine Protectorate

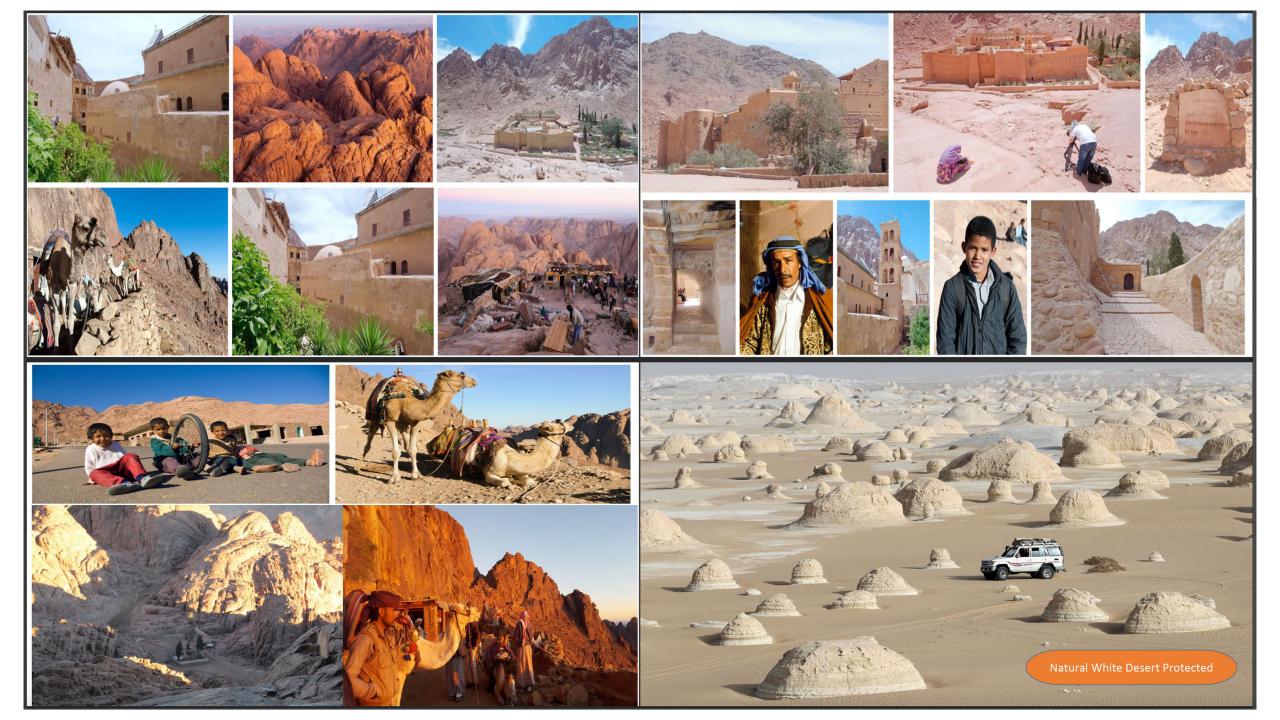
- a World Heritage Area was based on the cultural value of the monastery and its setting in the rugged landscape that inspired the early anchorites, including Mt Sinai, Mt St Catherine and the entire area encircled by the Precambrian circular volcanic dyke.
- High Mountain area of South Sinai, 4350 km2 was designated a Protectorate in 1988 in recognition of the "area's conservation importance in terms of the geological formations, unique biological features and its internationally renowned religious historical and cultural heritage".
- Bedouin character consistent with it management as a Protecte Landscape.











### Natural White Desert Protected Area in El Wady EL Gedid

**Date of Announcement: 2002** 

Area: 3010 Km2

**Type:** Desert and landscape protected area

Distance from Cairo: 570 Km

The importance of the white desert area is attributed to the fact that it is a unique model of the Karst phenomenon. It is an open museum for studying desert environments, geographical phenomena, fossils and wild life

It has relics and tombs that date back to prehistory and include a group of rare tombs and caves remains of ancient mummies and carvings.

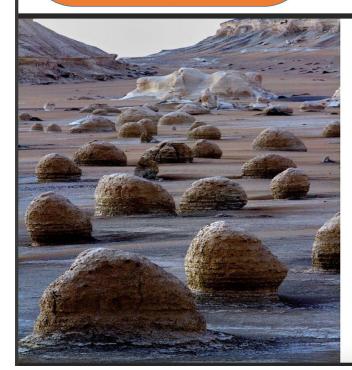
The area is distinguished with the beauty of the sand dunes. Geological formations of bright white limestone rocks and distinctive fossils.

The white desert area has aground of white chalk where the geological formations are spread in the shape of snowy white chalk columns formed by the act of wind and sloppy hills, a matter which gives the area a unique nature and geological position.

Al-Farafra fall crosses the white chalk layer which is a part of an obviously spread rocky unit known as the chalk unit.



















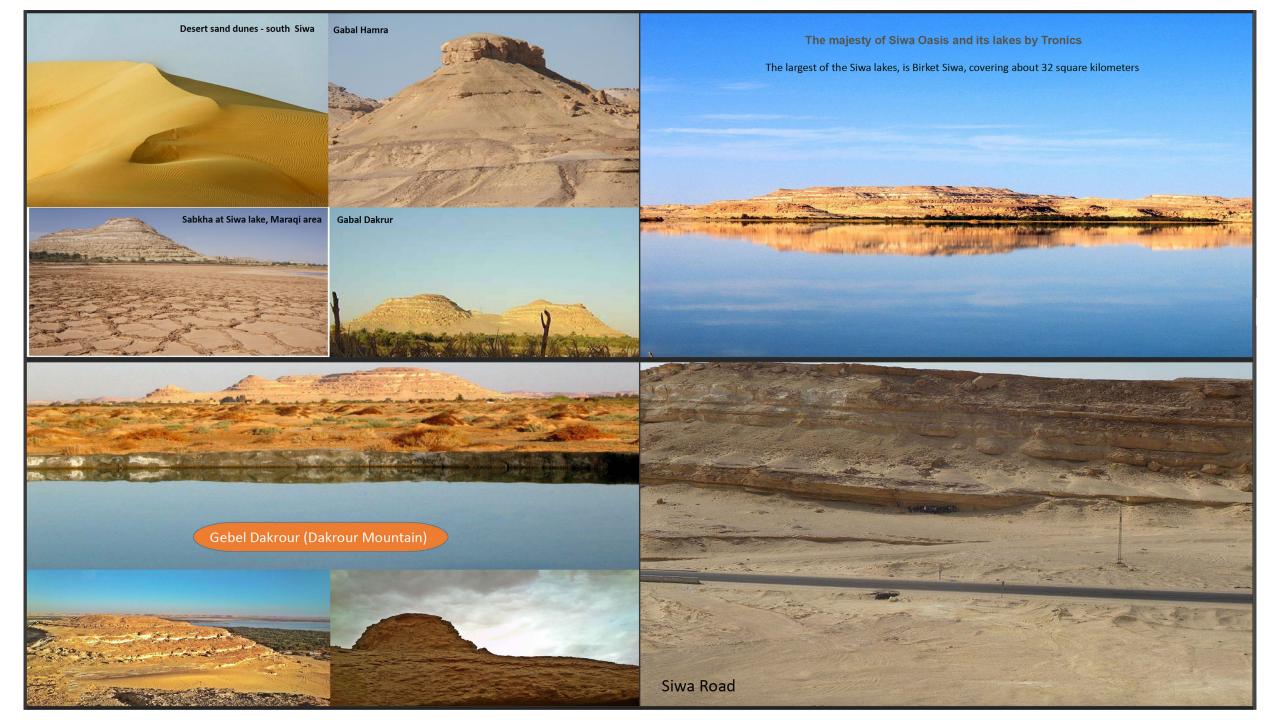


Location of the inspiring Geopark site and geological description



### Siwa Oasis

- is one of the areas rich with distinguished tourists attractions including monuments tourism, therapeutic tourism, safari tourism and desert tourism, due to its distinctive monuments area such as Amoun temple as well as the scriptures and paintings of kings offering sacrifice to Gods.
- The hall of crowning Alexander the Great, the Dead Mountain in Dakrour area, which has some ancient mummeries and tombs from the Roman age, having a group of coins and old jewelry.
- There is also Deheba area which includes tombs engraved in the rocks from the Greek Roman era, and also Khamisa area including a group of tombs dating back to the Greek age.
- The biological variety of Siwa is characterized by the existence of more than 40 species of wild plants including medical, pastoral and other plants that help stabilize sand. Some of them have significant genetic origins, besides mimosa and Athl trees.
- Moreover, there are around 28 species of wild mammals, some of them are threatened with extinction like hyena, Egyptian deer, white deer, red fox and, in addition 32 reptiles and around 164 species of birds besides numerous invertebrates and insects.

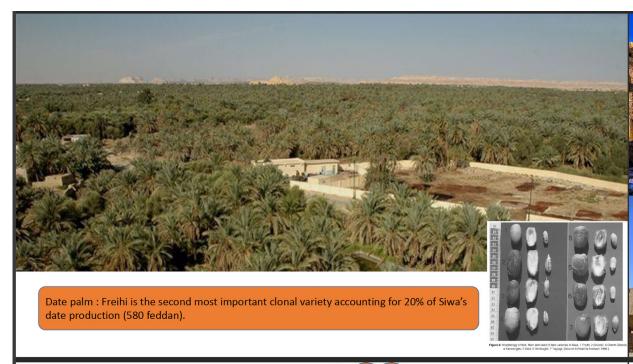


The freshwater oasis in the middle of the Great Sea of Sand in the Western Desert A number of fresh water springs run into salt water lakes, making the water mostly useless. The salt content of the saline lakes of Siwa rivals that of the Dead Sea in Jordan. They are so salty that the bottom of the lake is largely Outline of Birket Maraqi salt lake in the oasis of Siwa, Egypt comprised of crystallized salt. To the west is Birket al-Maraqi lake, which takes up about nine square kilometers. crocodiles, turtle shells, bony fishe Siwa oasis, Egypt "Adrere Amellal Ecolodge hotel" Geology of Siwa, fracturing in Siwa hills









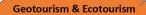


















# THE SUSTAINABLE DEVELOPMENT GOALS (SDGS)















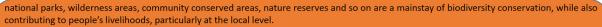








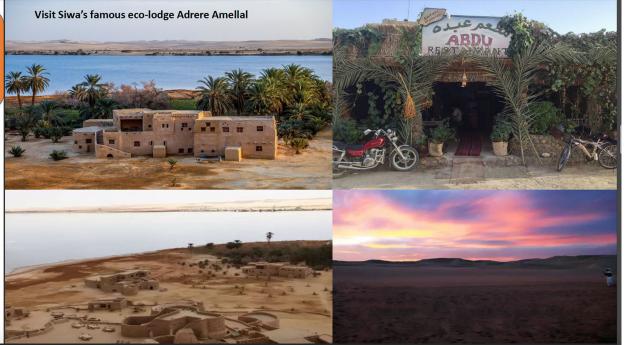




Protected areas are at the core of efforts towards conserving nature and the services it provides us food, clean water supply, medicines and protection from the impacts of natural disasters.

Their role in helping mitigate and adapt to climate change is also increasingly recognized; it has been estimated that the global network of protected areas stores at least 15% of terrestrial carbon.









### Museum of Siwan Traditions



### Siwa House Museum

Located in a traditional Siwan house, the museum boasts traditional Siwan objects such as silver jewelry, music instruments, wedding costumes, baskets and ceramics. Inspired by a Canadian diplomat who feared that Siwan culture and its mud-brick houses would disappear someday; the small but interesting Siwa House Museum was built to preserve and display artifacts depicting the various aspects of the Siwan life.









