



Ägyptische Steinbrüche und ihre
Bedeutung zu Zeiten der Römer

**...oder: eine Reise durch
die ägyptische Ostwüste**



Aswan



Aswan/West Bank/März 2005



Widan el-Faras/Faiyum



Kheops Pyramide/Basalt Pflaster/Mai 2001



Chephren's Quarry/Abu Simbel/Libysche Wüste

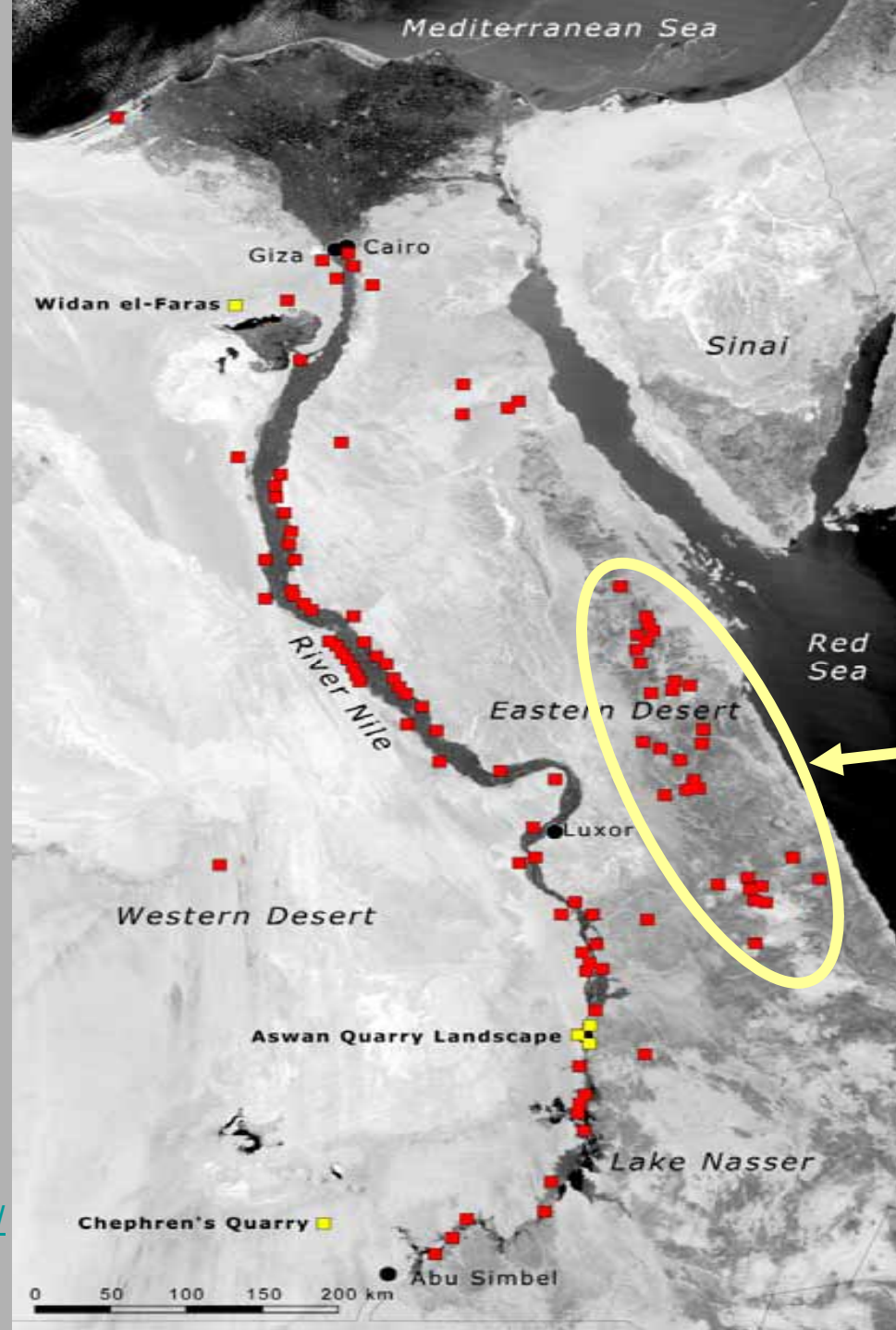


**Chephren's Quarry/
Abu Simbel/Libysche Wüste**



Inhalt

- Geographie und Bevölkerung
- Vor den Römern
- Mons Porphyrites (1.-5. Jh.)
- Mons Claudianus (1.-3. Jh.)
- Verwendung der Steine
- Ägyptische Bausteine
- Zerstörung der Steinbrüche



Die zentrale
Ostwüste

Steinbrüche/
Ägypten/nach
James Harrell

[www.eeescience.utoledo.edu/
Faculty/Harrell/Egypt/AGRG
Home.html](http://www.eeescience.utoledo.edu/Faculty/Harrell/Egypt/AGRGHome.html)

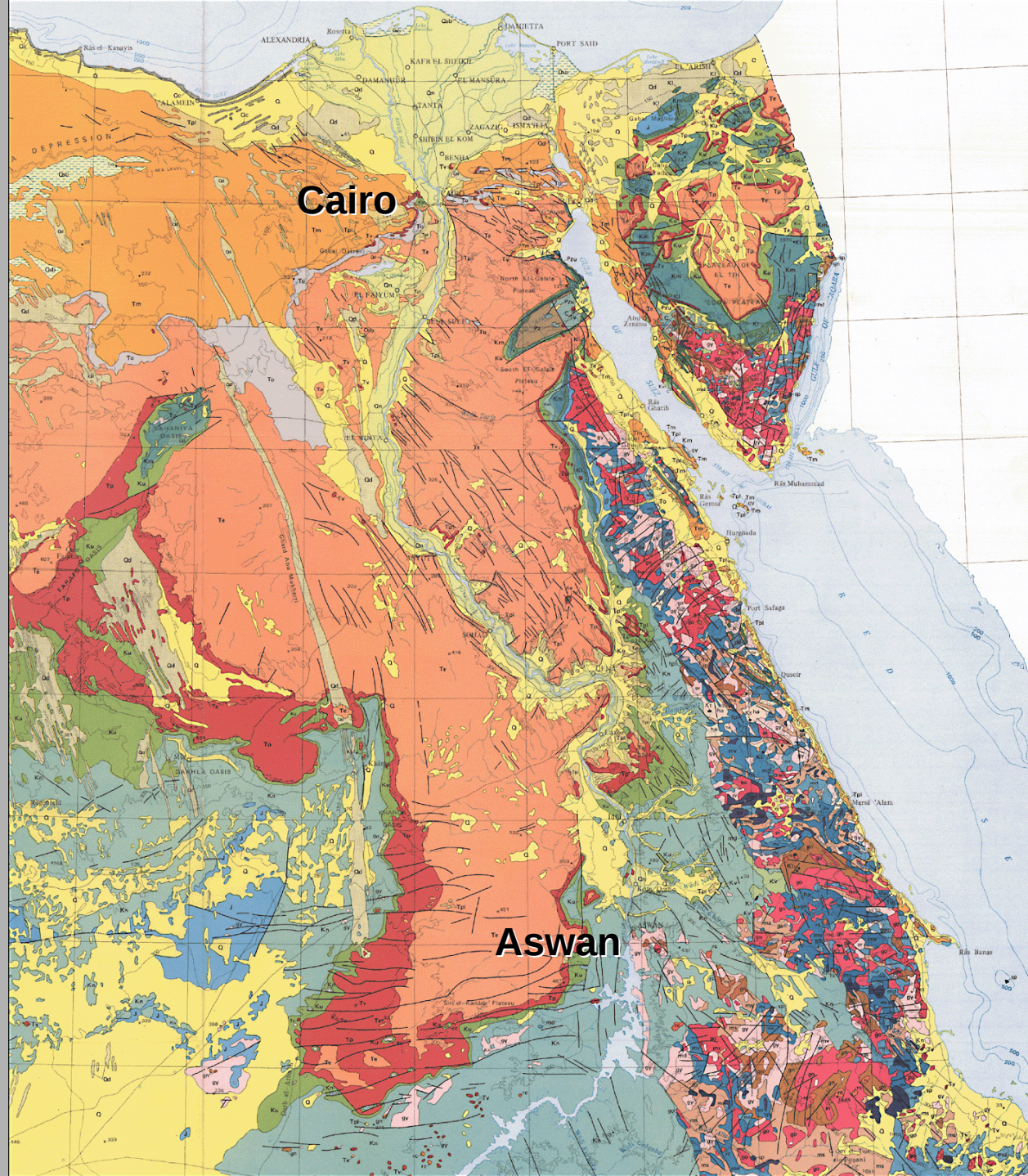
Geographie und Bevölkerung / Reisen in der Ostwüste

Ägypten
20.000 BC –
AD 2.000

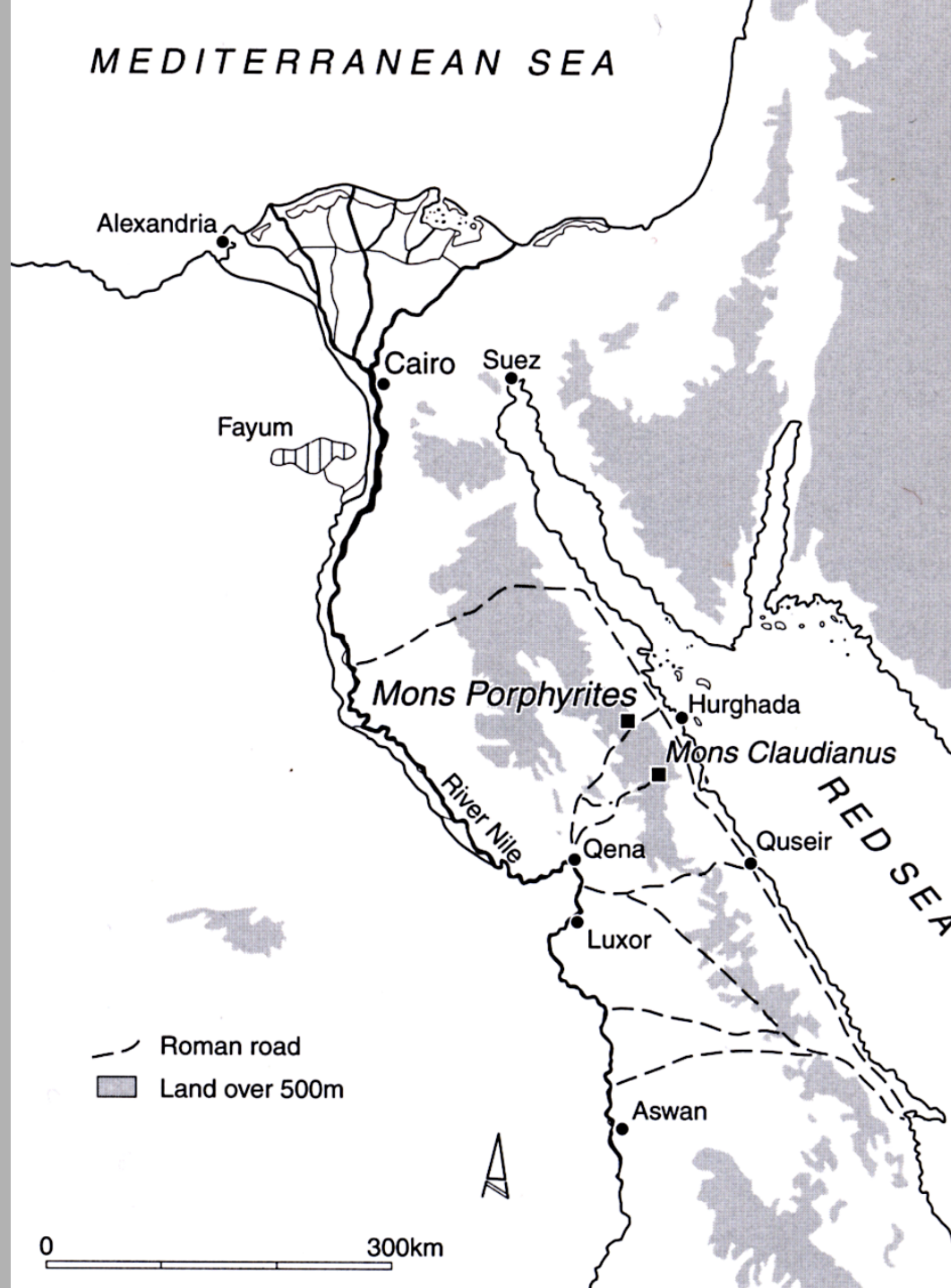
Islam
Ägypten römische Provinz
Alexander der Grosse
Nubier und Perser
Ramses - Theben
Kheops – Pyramiden
Ägypten entsteht
Sahara „grün“

	Period	Climate
AD 2.000	Islam./Modern	Dry
AD 1.000 0	Islamic Roman/Byzan.	
	Ptolemaic Late Period	
	New Kingdom Middle Kingdom	
1.000 BC	Old Kingdom Early Dynastic	
2.000 BC	Predynastic/ Neolithic	Neolithic „wet phase“ (with dry intervals)
3.000 BC	Neolithic	
4.000 BC		
5.000 BC		
6.000 BC		
7.000 BC	Late Palaeolithic	Dry
8.000 BC		
9.000 BC		
10.000 BC ↓ 20.000 BC		

Geologie/
Ägypten/
EGSMA



Die Ostwüste/
Römische
Wege/
Maxfield &
Peacock 2001





Wadi Mineh/Dezember 2003

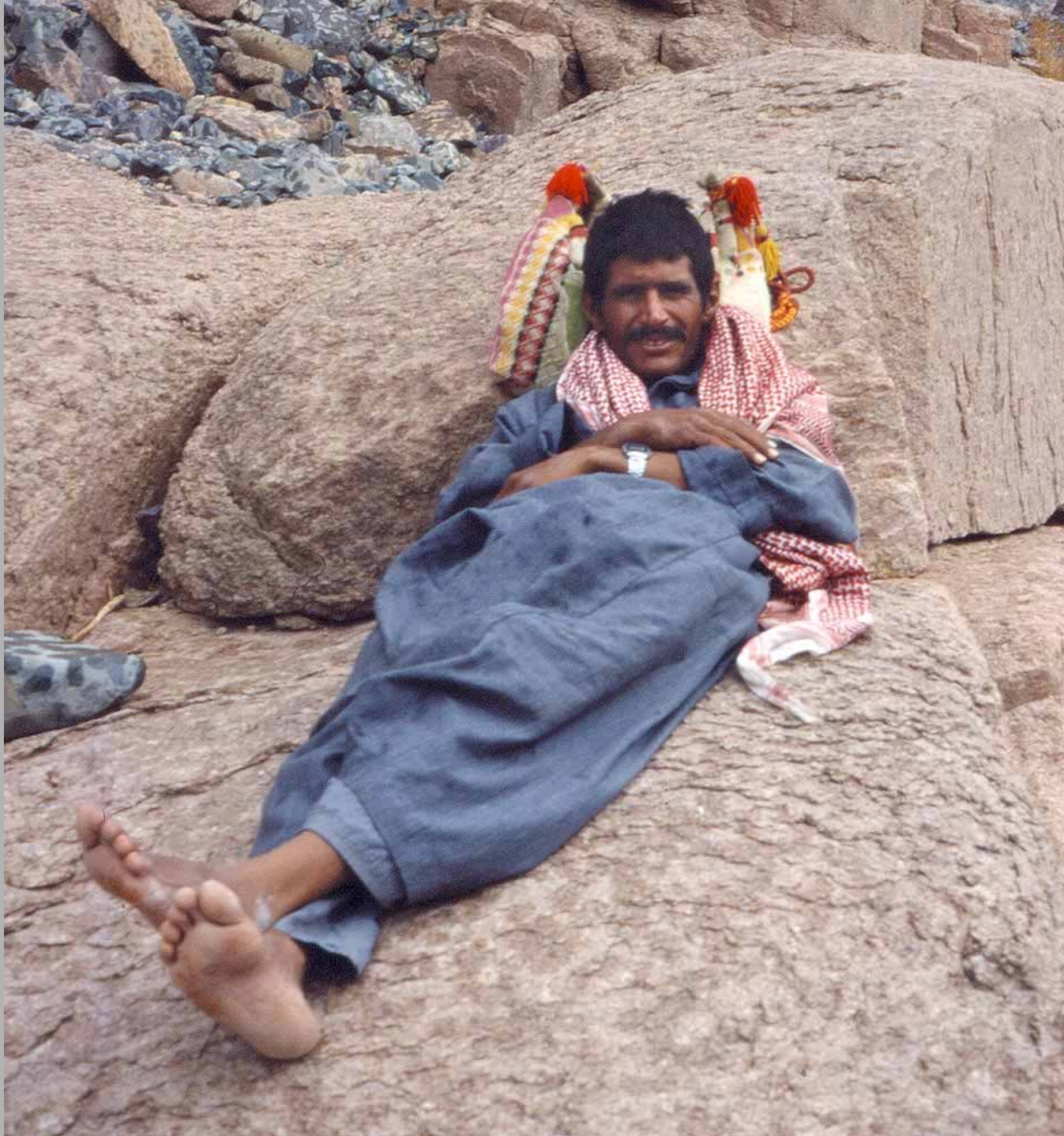


Wadi Mineh/Dezember 2003

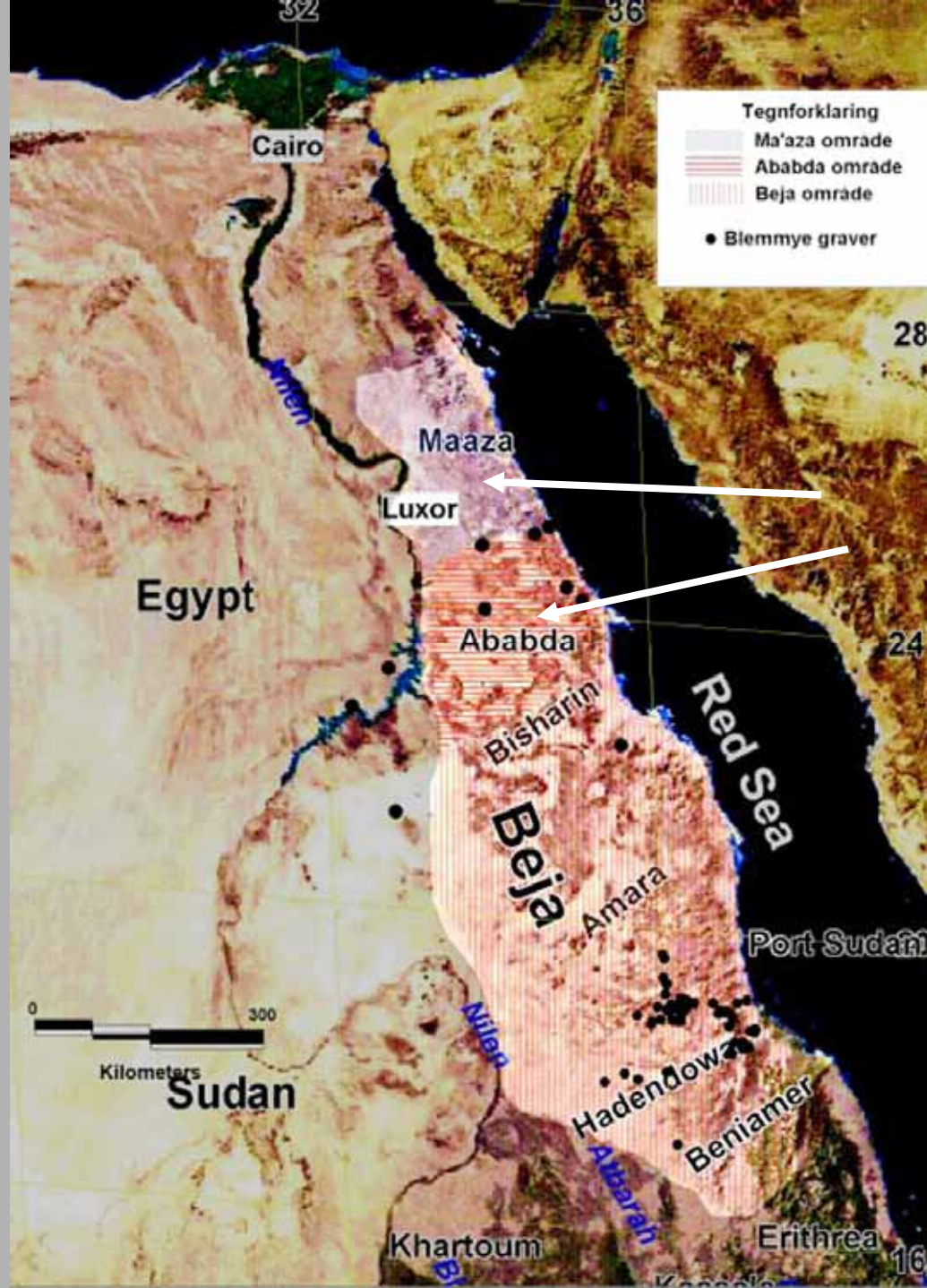


Wadi Gemal/Februar 2006

Wadi Umm
Sidri/
Regen/
März 2001



Bevölkerung/
Nach
Krzywinski
2001





Daqbaq/Dezember 2003



Bir Daqbaq/
Dezember
2001



Mons Porphyrites/März 2001



Rod el-Ligah/Februar 2006



Falacro/Februar 2006

Vor den Römern



Wadi Beiza/Februar 2006



Wadi Beiza/Februar 2006



Wadi Beiza/Faustkeil/Februar 2006



Wadi Umm Hajalij/Februar 2006



Manzal el-Seyl/November 2002



Bokari Goldbergwerke/Februar 2006



Bokari Goldbergwerke/"Milling Fields"/Februar 2006



Sikait/Smaragdgruben/Februar 2006



Kebb Marfuah/Smaragd/Februar 2006



Rod el-Gamra Porphyrybrüche/Februar 2006



Wadi Hamra/Dezember 2003

Wadi Abu
Qureyra/
Dezember
2003





Wadi Abu Qureyra/Dezember 2003

Mons Porphyrites

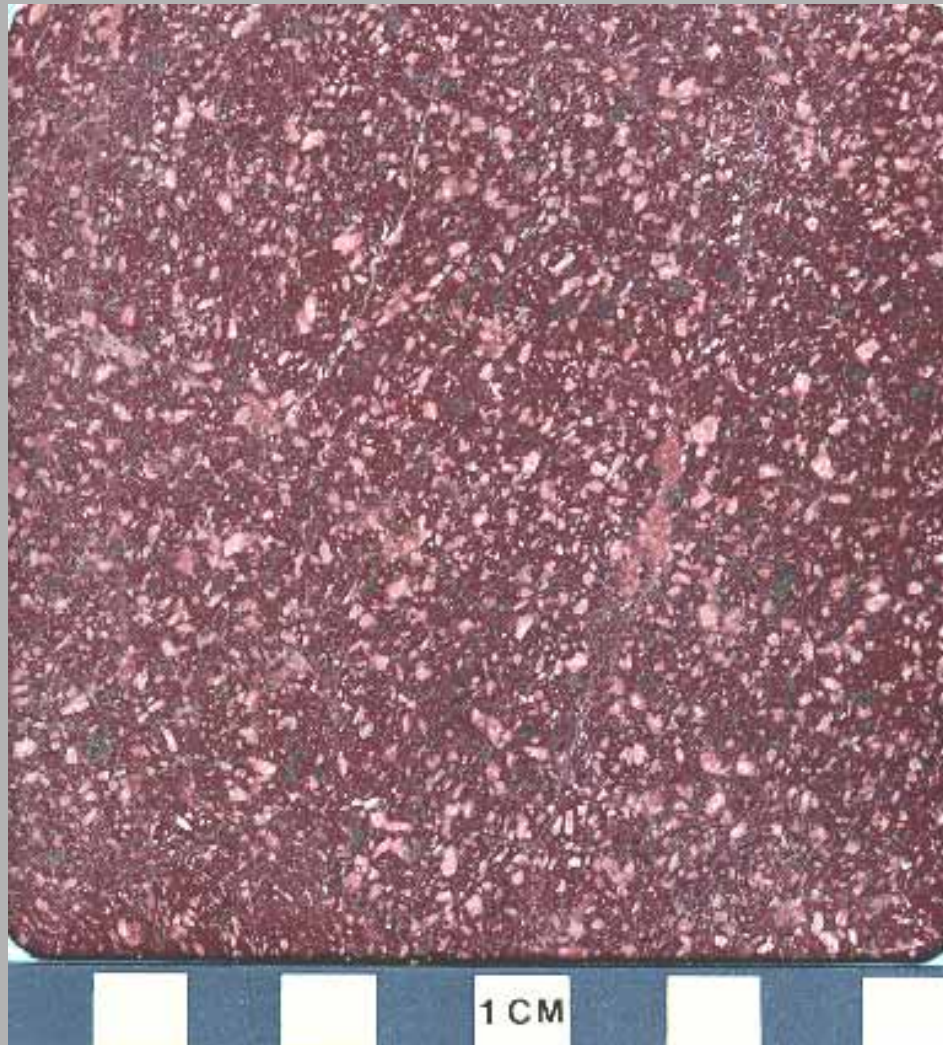
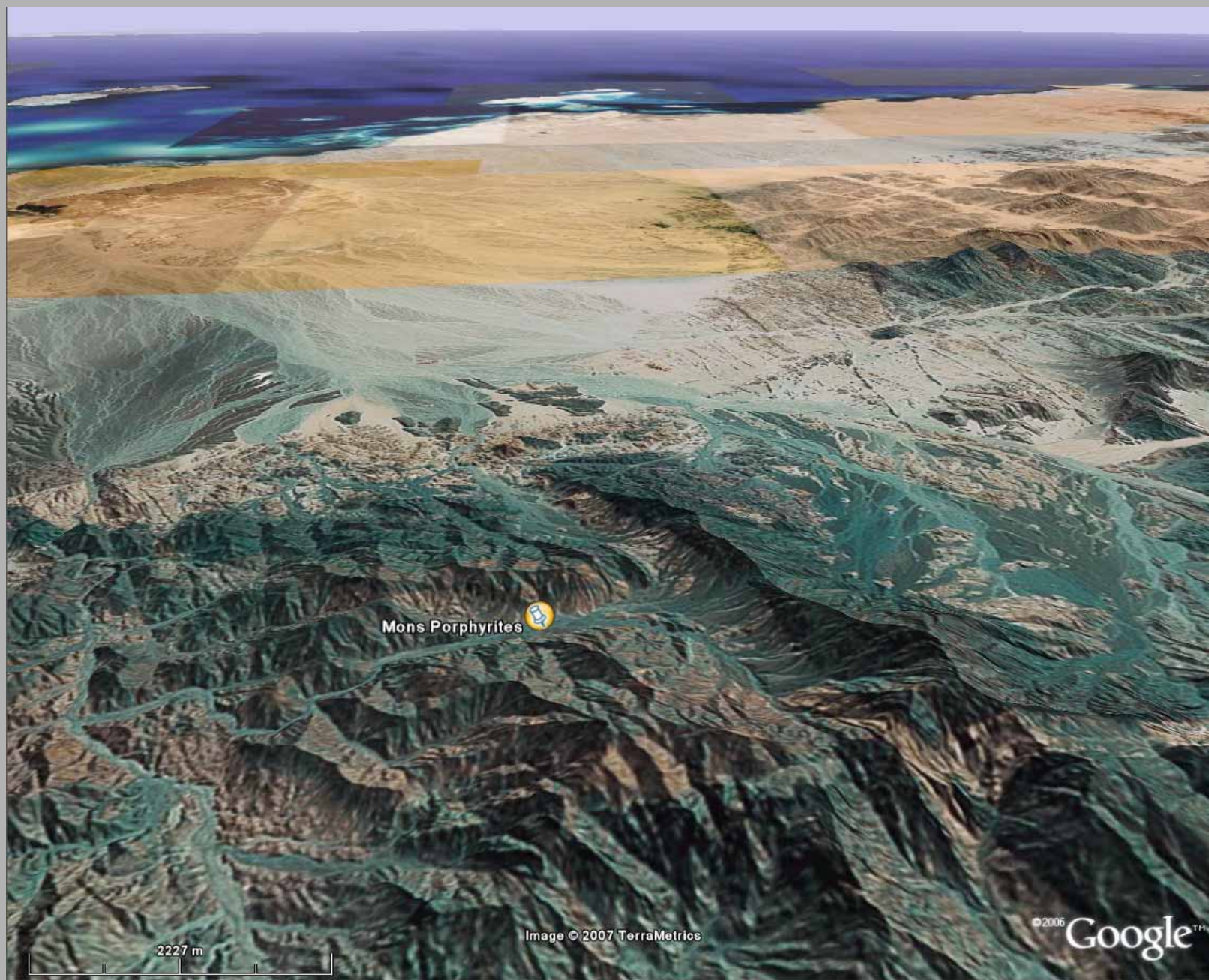


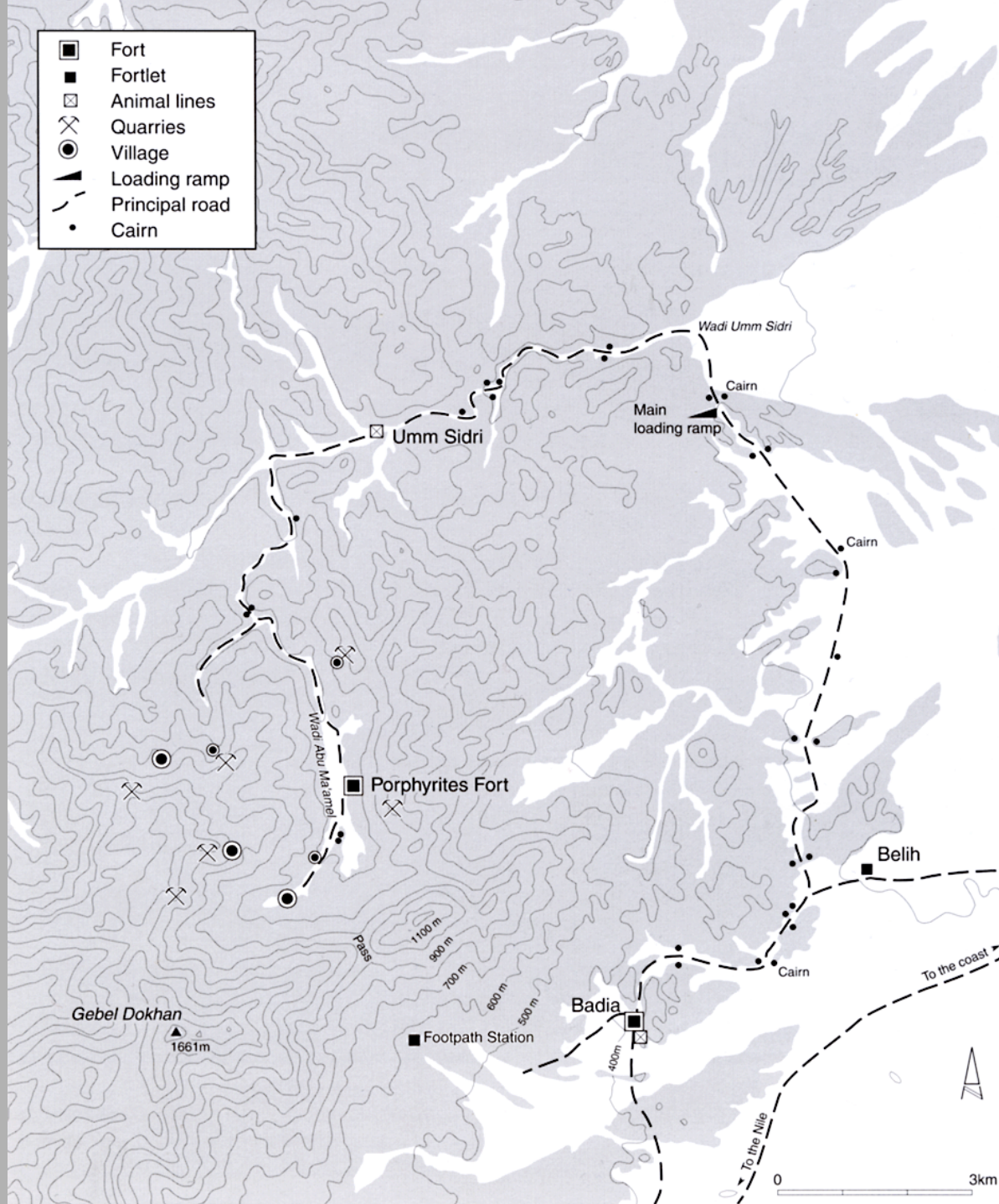
Foto: James Harrell

www.eeescience.utoledo.edu/Faculty/Harrell/Egypt/AGRG_Home.html



Mons Porphyrites/Google Earth

Mons
Porphyrites
→ Badia /
Maxfield &
Peacock
2001





Mons Porphyrites/Fort/März1999

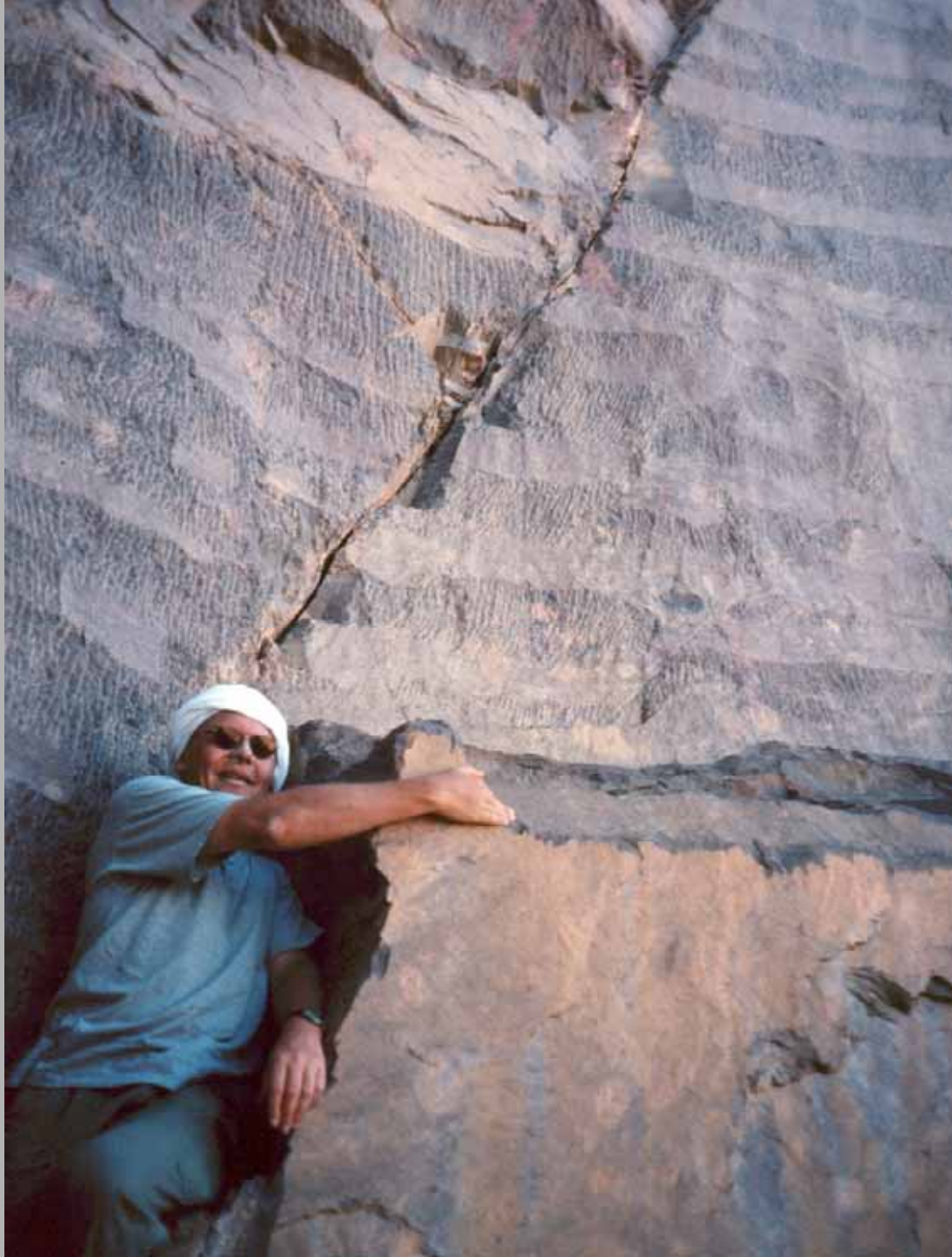


Mons Porphyrites/Lycabettos Rampe/Nov 2002



Mons Porphyrites/Lycabettos Dorf/Nov 2002

Mons
Porphyrites/
Lycabettos
Brüche/
März 1999



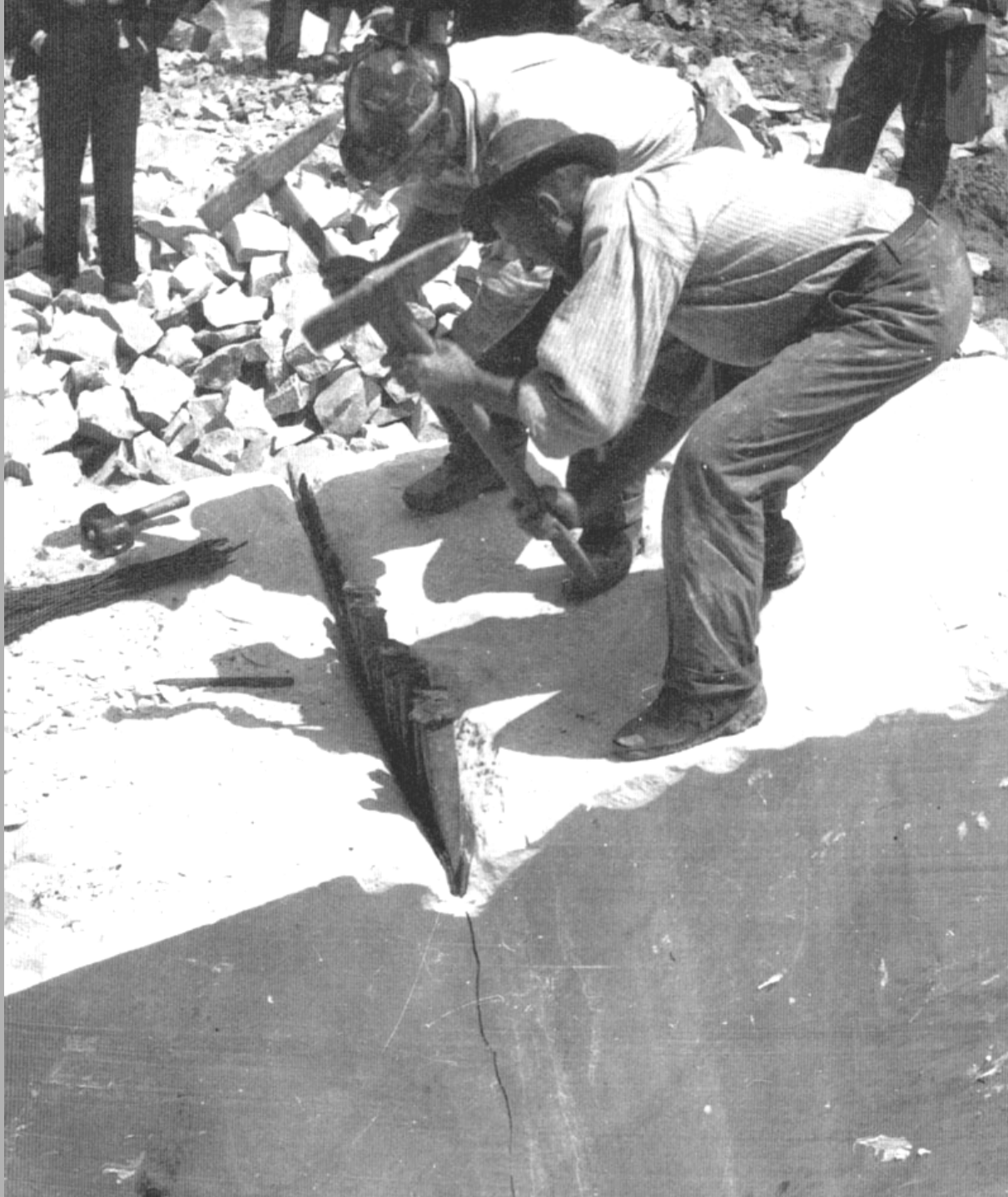
Mons
Porphyrites/
Lycabettos
Brüche/
März 1999



Carrara/
Meissel/
Archiv
Ilario Bessi/
(*"Il Marmo...
ieri e oggi"*
1996)



Carrara/
Keil-
spaltung/
Archiv
Ilario Bessi/
(*"Il Marmo...
ieri e oggi"*
1996)



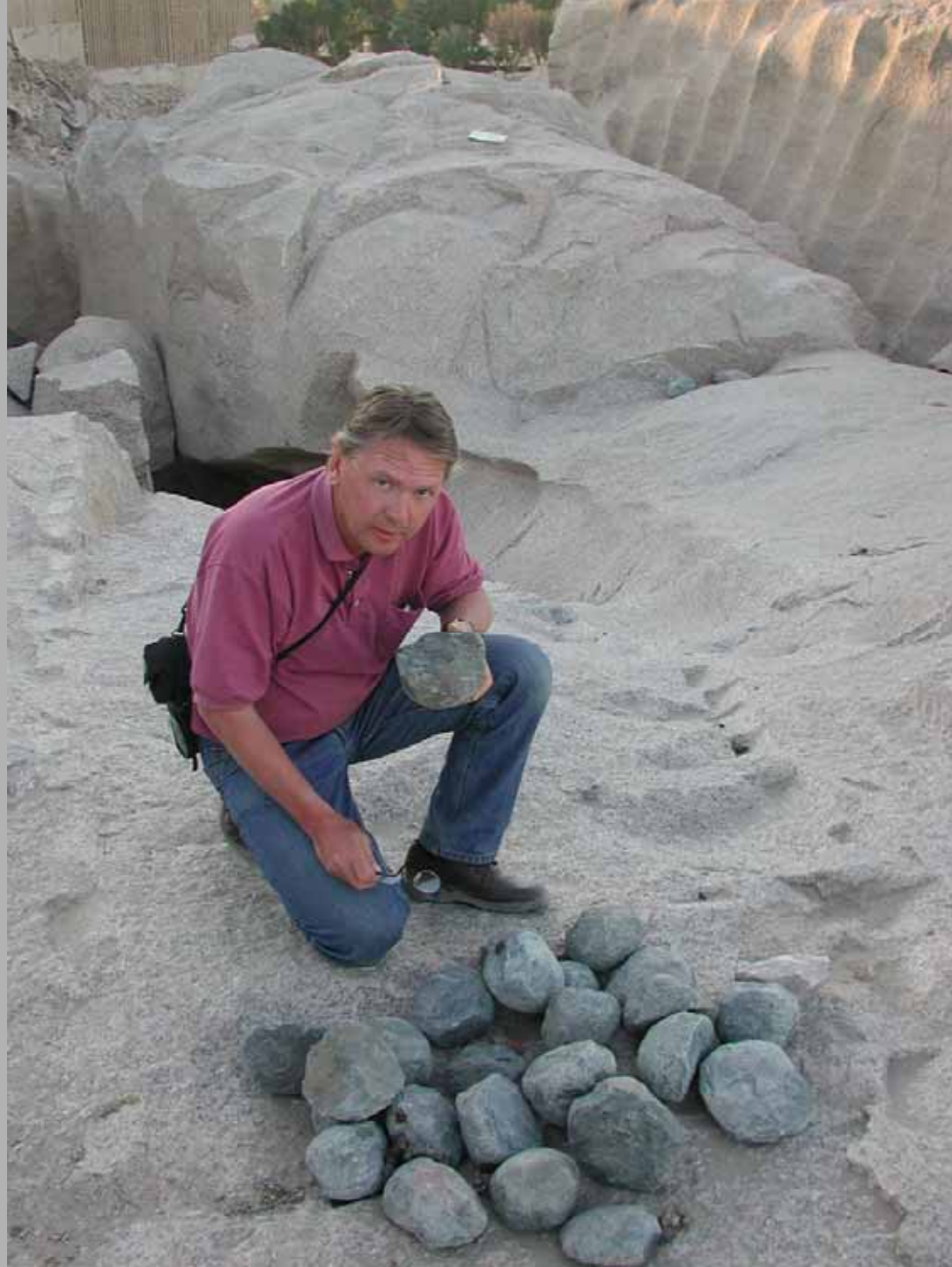


Rückblende: Unfinished Obelisk/Aswan/November 2005



Rückblende: Unfinished Obelisk/Aswan/November 2005

Rückblende:
Unfinished
Obelisk/
Aswan/
November
2005



Rückblende:
West Bank/
Aswan/
März
2004

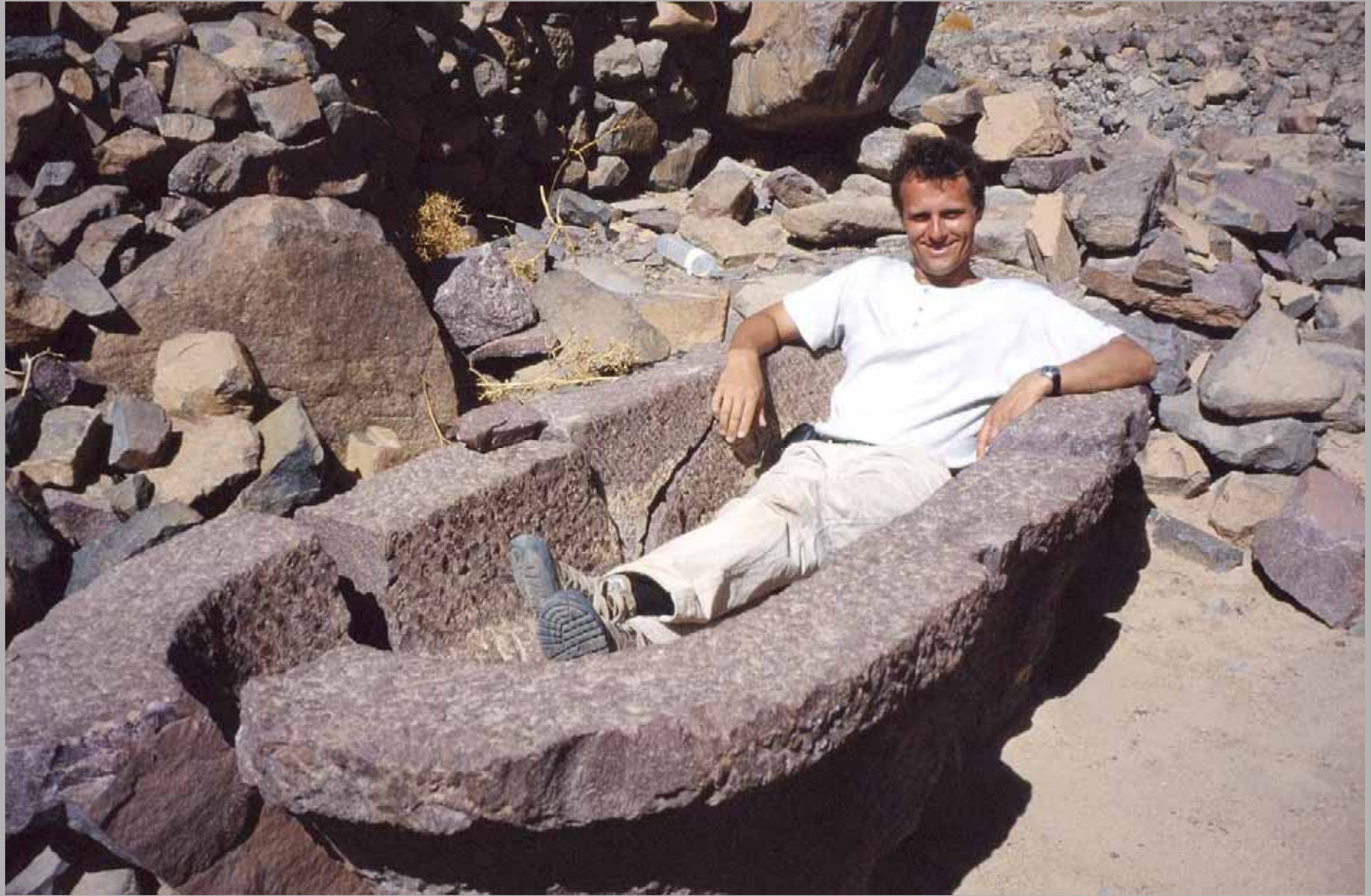




Rückblende: Kalksteinbrüche/Giza/1999

Mons
Porphyrites/
NW-Brüche/
März 2001





Mons Porphyrites/NW-Brüche/März 2001



Mons Porphyrites/Lycabettos/Nov 2002

Carrara/
Transport/
Archiv
Ilario Bessi/
(*"Il Marmo...
ieri e oggi"*
1996)





Carrara/Transport/Archiv Ilario Bessi/("Il Marmo...ieri e oggi" 1996)



Mons Porphyrites/Haupttrampe/März 1999

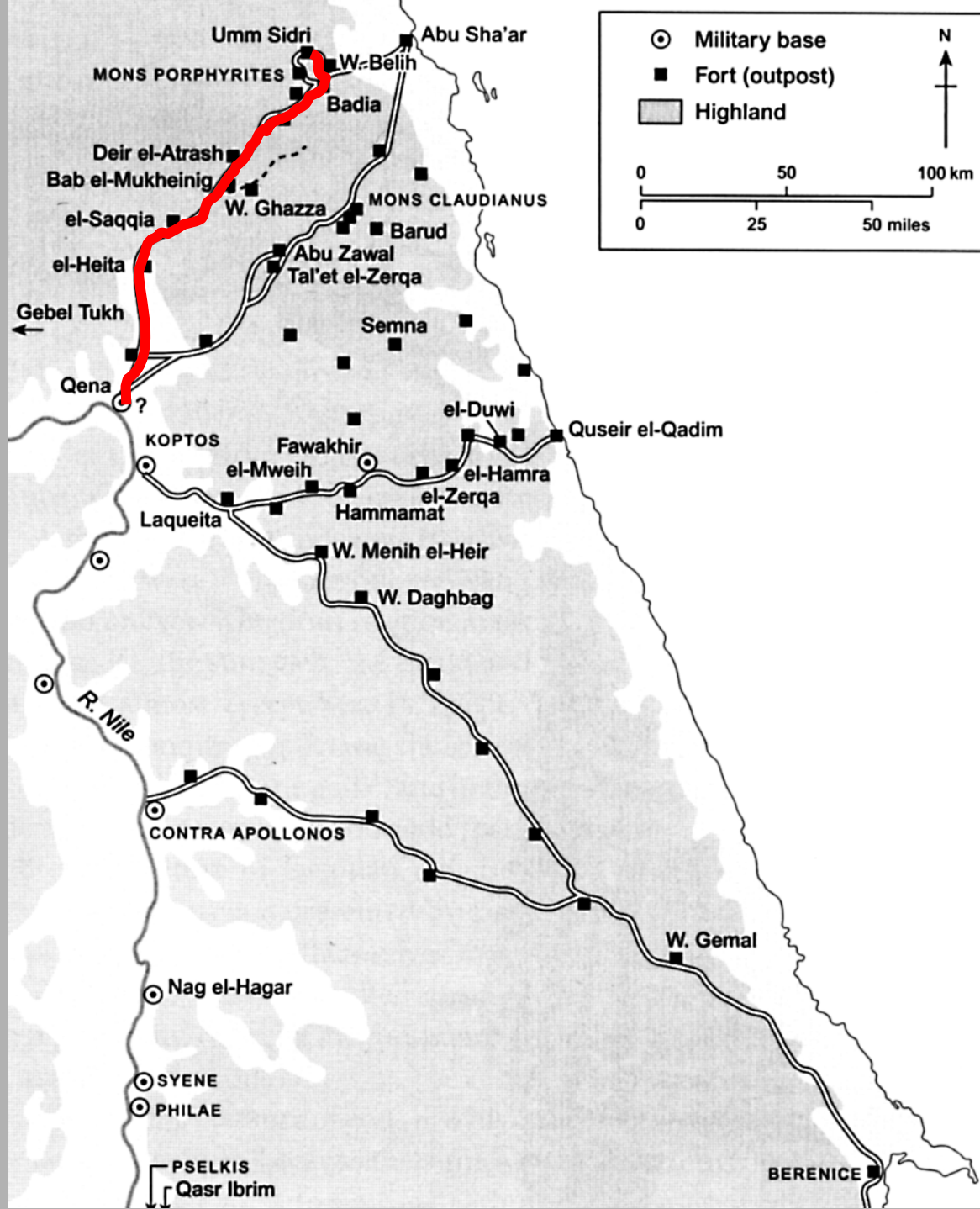
Carrara/
Transport/
Archiv
Ilario Bessi/
(*"Il Marmo...
ieri e oggi"*
1996)





Umm Balad/Römische Strasse/März 2001

Die Ostwüste/
Römische
Wege/
Peacock 2000





Samut/Goldbergwerke/Wegstation/Februar 2006

Mons Claudianus

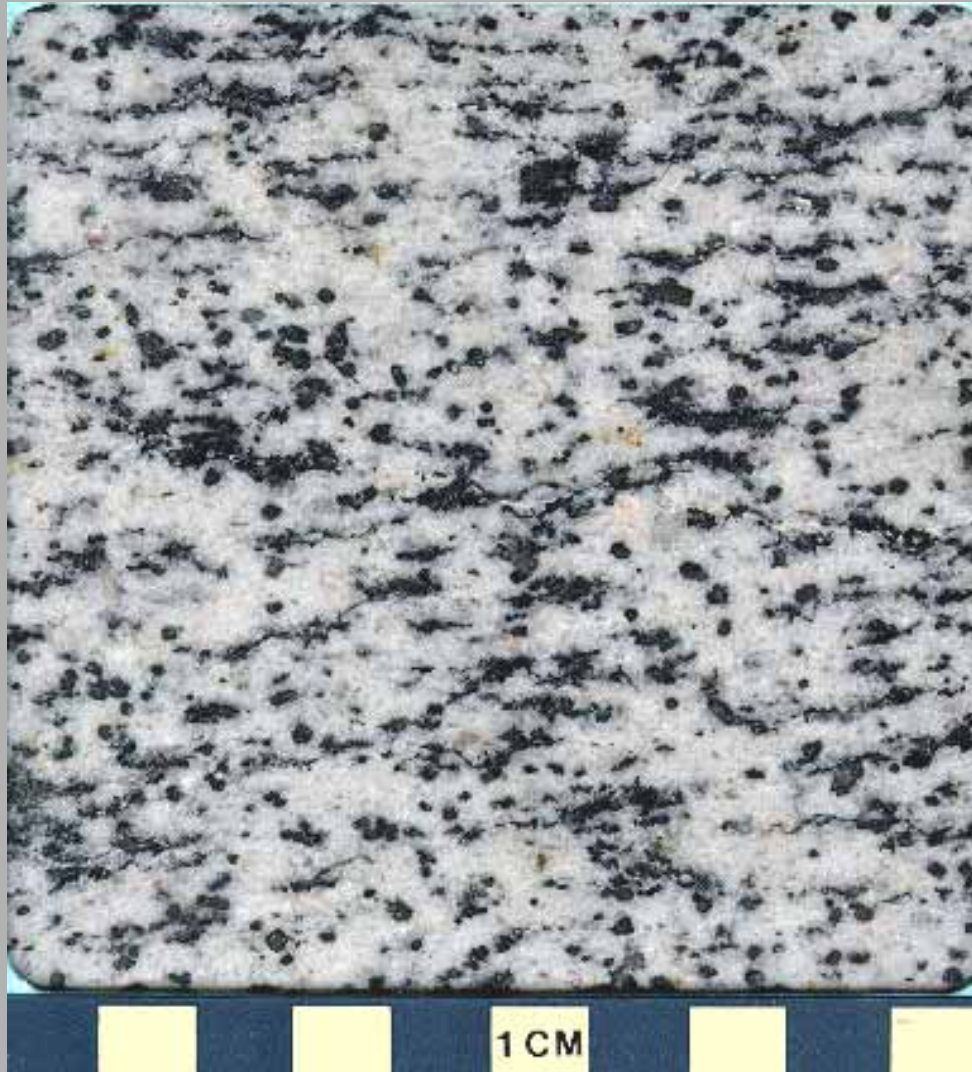


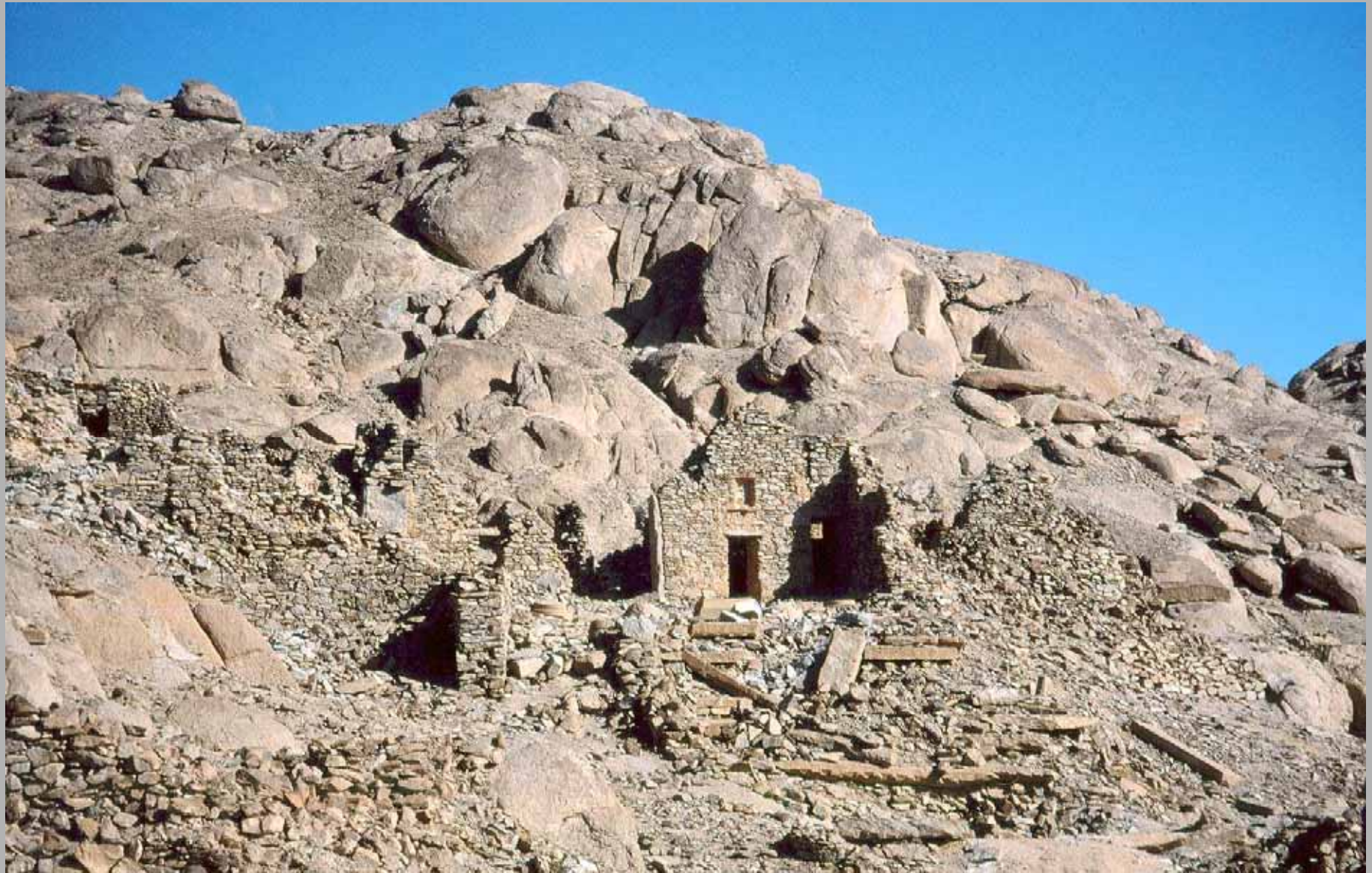
Foto: James Harrell
www.eeescience.utoledo.edu/Faculty/Harrell/Egypt/AGRG_Home.html



Mons Claudianus/März 1999



Mons Claudianus/Fort/"Tierlinien"/November 2002



Mons Claudianus/Tempel/März 1999



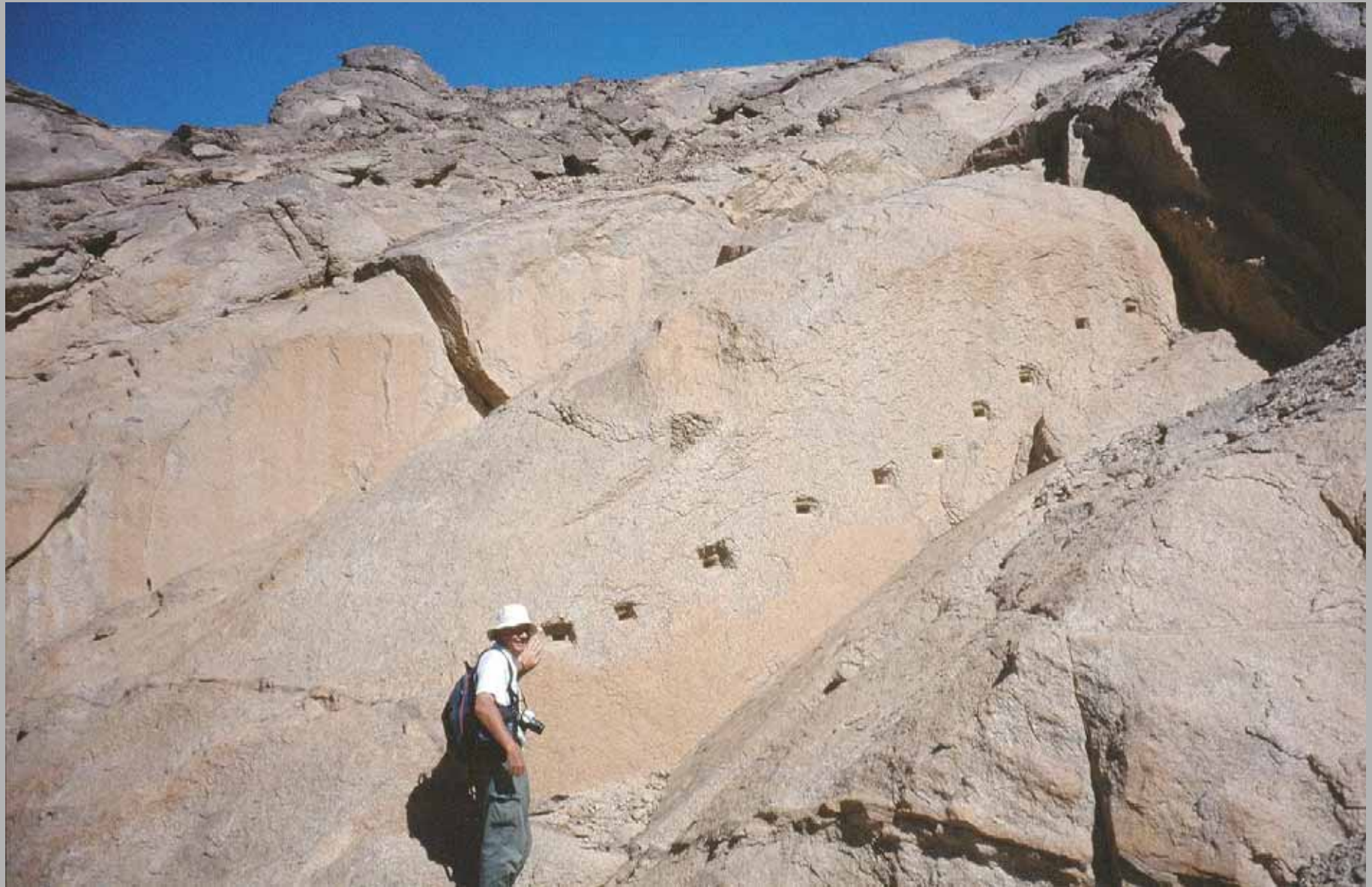
Mons Claudianus/März 1999



Mons Claudianus/Pillar Wadi/März 1999

Mons
Claudianus/
Pillar Wadi/
März 1999





Mons Claudianus/Pillar Wadi/März 1999

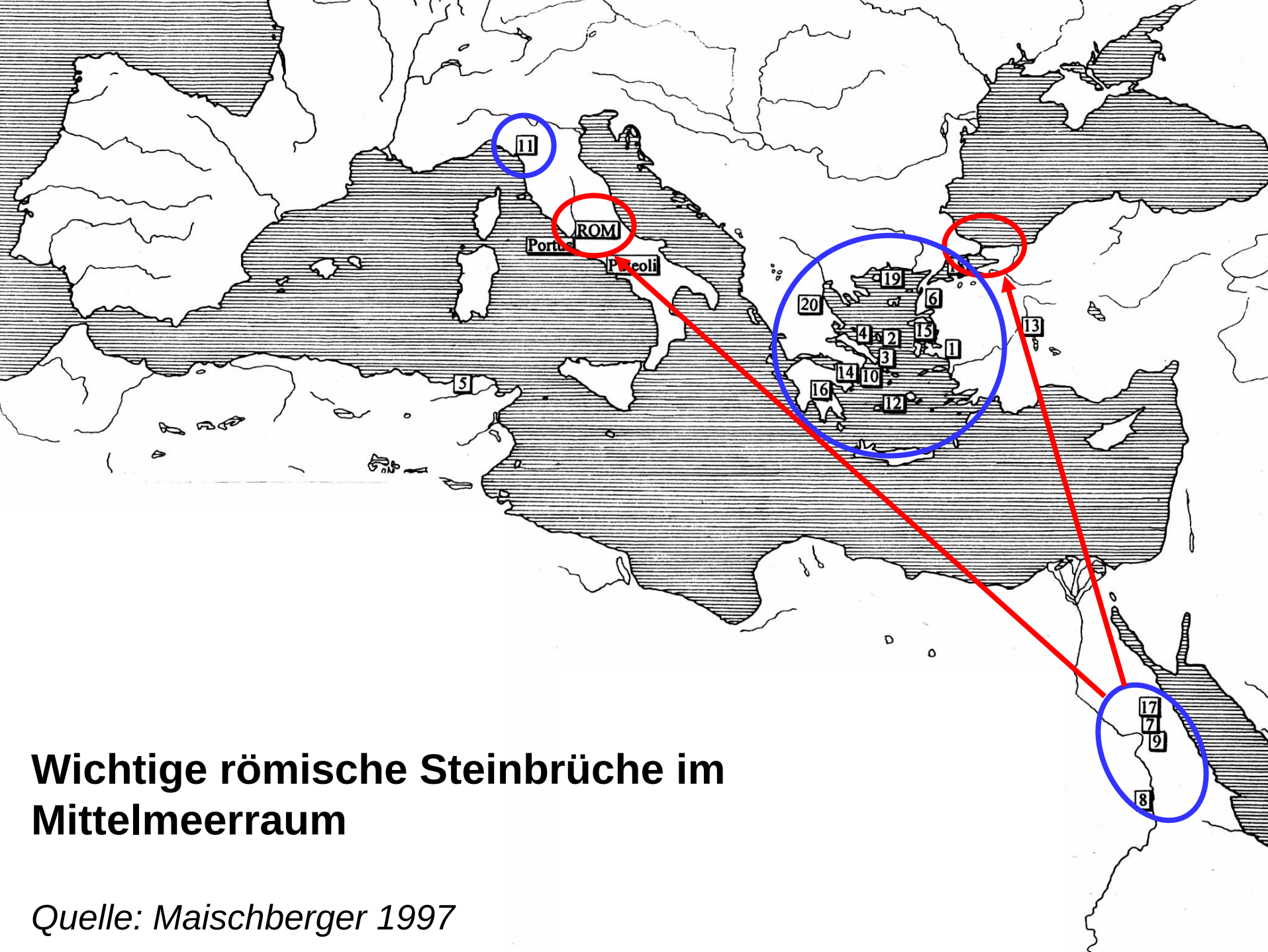


Mons Claudianus/Pillar Wadi/März 2001



Mons Claudianus/Pillar Wadi/März 1999

Verwendung der Steine



Wichtige römische Steinbrüche im Mittelmeerraum

Quelle: Maischberger 1997



Roma/Forum Romanum



Roma/Forum Romanum/Aswan Granit



Roma/Pantheon

Roma/
Piazza Rotonda





Venedig/Piazzetta San Marco/St.Mark & St. Theodore

Diokletian?/
Konstantin?/
Griechisch-
Römisches
Museum/
Alexandria/
Empereur/
Lecler 2000





Markuskathedrale/die Tetrarchen (um 300) /Venedig



Markuskathedrale/Venedig

Warum die Ostwüste?

- Gute Steine...
- ...aber nur “Imperial Porphyry” wegen der Farbe sehr speziell
- ...und finanziell lukrativ waren die Steinbrüche überhaupt nicht
- David Peacock: *“Mons Claudianus war ein Symbol – ein Symbol der Macht des Kaisers”*
- ...und so müssen wir uns wohl die anderen Steinbrüche in der Ostwüste auch vorstellen

Ägyptische Bausteine



Philae/1999



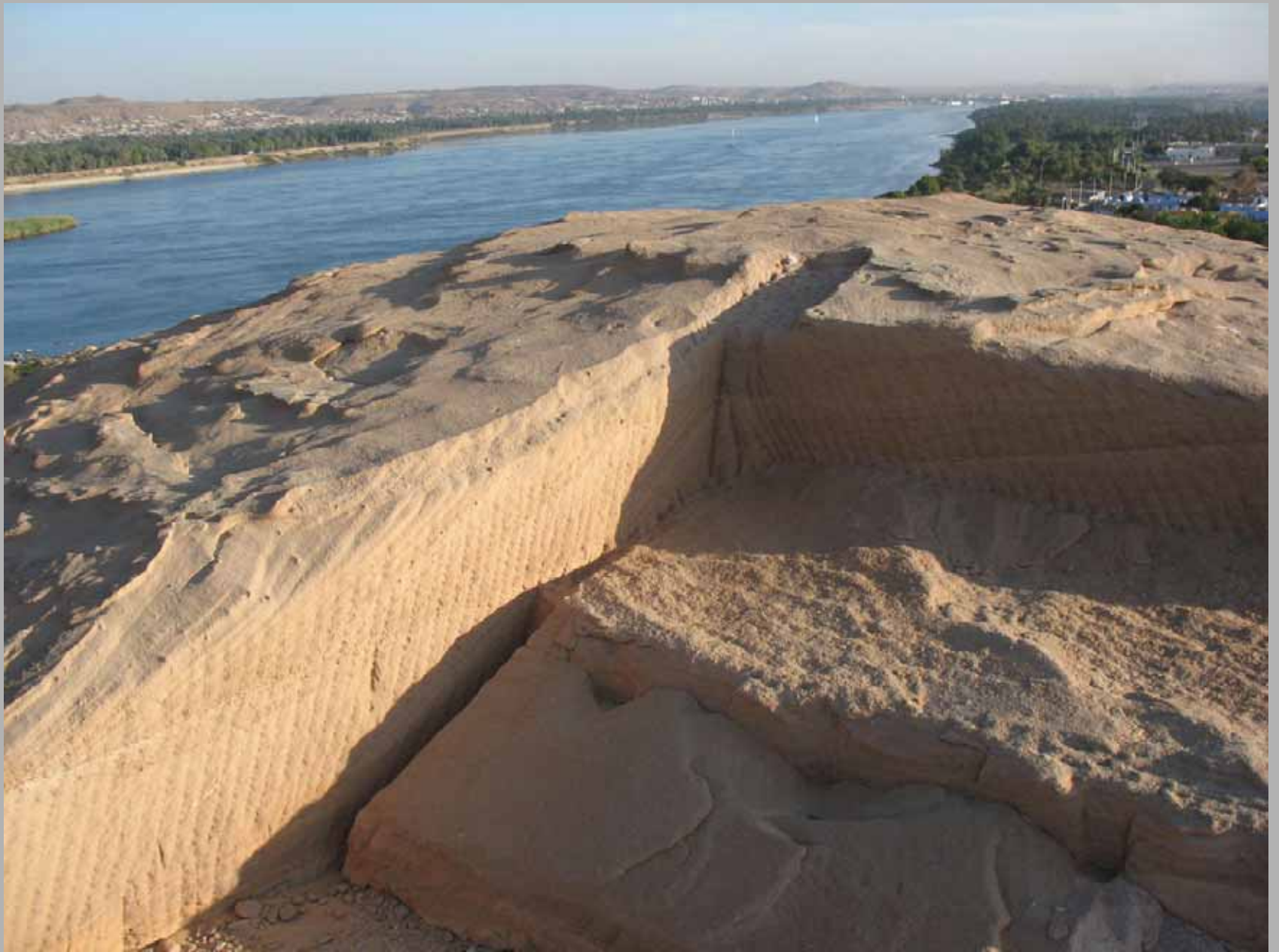
Philae/Trajan's Kiosk/1999



Gebel el-Silsila/2001



Naq el-Fugani/2005



Gebel Qurna/2005



Giza/2003

Zerstörung der Steinbrüche



Aswan/2005



Ancient quarries

Egypt sites

Jordan sites

Turkey sites

Publications

Workshops

Members

Quarry landscape of the month

March 2006



An impressive ancient quarry partially

The QuarryScapes Project: conservation of ancient stone quarry landscapes in the Eastern Mediterranean

The spectacular monuments and cities of the ancient Near East are testament to an industrial past where large-scale stone procurement remains unsurpassed. Yet, stone quarries are forgotten as key archaeological sites, rich in material remains of crucial significance if we are to understand the social and technological practices of an age when stone was quarried and transported *par excellence*. Largely invisible, undocumented and unprotected, these ancient quarry landscapes are being destroyed from actions such as modern development and quarrying.

The inspiration for the 'QuarryScapes' project comes from the necessity to put these ancient industrial landscapes on the map before it is too late and to raise awareness of their research potential across a broad spectrum of audiences, from archaeological researchers to the interested public. The 'QuarryScapes' project draws together professionals from academic and other institutions in Egypt, Jordan, Turkey, UK, Belgium, Italy and Norway to focus specifically on documentation, conservation and heritage management of these fragile quarry landscapes within the first collaborative and innovative project of its kind.

EU sixth framework programme, specific targeted research project

NEWS

February 2006

QuarryScapes Kick-off meeting in Cairo

The official kick-off meeting of the QuarryScapes Project took place at the Flamenco Hotel in Cairo January 31 and February 1 2006.

December 2005

Working with modern quarrying companies

Adel Kelany, field director of the "Unfinished Obelisk" quarry museum in Aswan and a core member of QuarryScapes, has started a special survey and rescue archaeology programme in the southern part of the Aswan ancient granite quarries.

December 2005



Apollonia/Februar 2006

Reisen in der Ostwüste:

Red Sea Desert Adventures

www.redseadesertadventures.com