

Map 38 Cyrene

Compiled by D.J. Mattingly, 1996

Introduction

The region known as Cyrenaica (and in Roman times also as the Pentapolis) comprised an important group of cities: notably Cyrene, Apollonia, Euesperides/Berenice, Barke, Ptolemais and Taucheira. It was successively a center for Greek colonization in Libya, a kingdom based around the power and wealth of Cyrene, a satellite of the Hellenistic kingdom in Egypt, and a Roman province for long governed jointly with Crete (Romanelli 1943; Chamoux 1953; Goodchild 1959; Stucchi 1975; Barker 1985; Laronde 1987; Roques 1987). Throughout its history it was also one of the foremost areas of Libyan settlement, for reasons which are easily determined. The high, terraced plateau of the Gebel Akhdar (Green Mountain), which dominates the northern part of the map, has been a favored location for settlement since prehistoric times. Although the rainfall there is modest by Mediterranean standards, it is the highest anywhere within modern Libya, and is supplemented by abundant springs and shallow water sources. Elsewhere, too, in the region covered by the map, the settlement pattern generally reflects the availability of water resources.

The plateau of the Gebel Akhdar itself is mostly very fertile, despite some variation in rainfall between its eastern and western extremities (Johnson 1973). The highest annual rainfall figures are recorded for the plateau around Cyrene; Slonta (ancient Lasamices), Beit Tamer and Gasr Beni Gdem mark its approximate limits to south, east and west respectively. It is no surprise, therefore, to note the extremely high density of settlement within this particular zone. Nonetheless, there is good potential further west too, notably in the el-Merj plain, near ancient Barke. Another topographical peculiarity is the massively entrenched Wadi el-Cuf (ancient Myrsinitis fl.), which cuts through the plateau and posed for ancient road-makers the problem of how best to link the western coastal cities to Cyrene by land (see further below). The low population level and non-intensive exploitation of this region in the early modern period have contributed to the superb preservation of sites here (Beechey 1828; Fantoli 1923; Touring Club d'Italia 1929; Oliviero 1931; Romanelli 1943; Stucchi 1975).

Both west and east of this upland area, conditions are not quite so favorable for settlement. The Syrtic coastal zone south of Benghazi (Berenice) merges into the pre-desert steppe, and this shift is to some extent mirrored at the other edge of the plateau too, to the south-east of Derna (Darnis). As might be expected therefore, the settlement pattern in these zones as currently known is limited to a handful of road stations, forts, fortified farms and minor sites. A papyrus, however, offers a detailed census record for the Cherronesos region to the east of Derna, and this depicts a busy countryside, with an important agricultural component (Norsa 1931; cf. Romanelli 1940; 1943, 122-28; Catani 1985, 150-54). The prominent mausolea known at a few sites in the area suggest that intensive archaeological work would reveal a much fuller landscape here. On the other hand, the line of sites extending across the steppe to the south of the plateau (et-Tailimun, Zaviet Msus, el-Mechili) lie in the true pre-desert zone, with far fewer ground-water sources available. Such settlement as is known clusters around the main wells and cisterns.

Knowledge of the coastal toponyms recorded by Scylax, Strabo, Ptolemy, StadMM and others is reasonably secure, even if the choice between archaeological sites is not always certain (Stucchi 1975; Purcaro Pagano 1976; Laronde 1987; Mastino 1990). By contrast, there are tremendous problems in attempting to match the inland settlements in Ptolemy's lists or other literary sources with sites known archaeologically, not least because in several cases Ptolemy's co-ordinates are demonstrably very far out indeed. For the most part I have resisted the temptation to add to speculation.

The concentration of small towns and villages in the central and eastern parts of the Gebel Akhdar is particularly striking, though it should be emphasized that current knowledge of rural settlement in Cyrenaica is patchy. I have therefore not attempted to map more than a small sample of the known fortified farms and open farms of the region. Even allowing for our ignorance of lesser sites in the settlement hierarchy, it is clear that this intensive pattern of villages and small towns is very different from other regions of Cyrenaica, Syrtica, Tripolitana and

Marmarica (compare Maps 35, 37, 73). The architectural pretensions of some of the minor harbors and of towns on the plateau close to Cyrene are notable; attention is drawn to the most significant of these sites through the use of larger type where appropriate. Many of the villages were provided with churches in Late Antiquity, and it is these (surveyed by Goodchild) that currently offer the most reliable indicator for the size and importance of the sites. Another point of interest concerns the development of harbors (Jones 1971), and the frequent linkage between coastal harbors and towns on the northern edge of the plateau (thus Apollonia and Cyrene, Ptolemais and Barke, Kainopolis and Neapolis Theodorias (Gasr Lebia), Aptouchou Hieron (Haniya?) and Artamis (Messa?), Phykous and Balagrae, Erythron and el-Marazig, etc.). In all periods the connection between the inland towns and the sea would appear to have remained important (Laronde 1987, 257-87).

A particular problem concerns the exact course of the main roads from west to east across the plateau (Laronde 1987, 261-314). Both ItAnt and TabPeut follow the coast until Ptolemais, but thereafter they turn inland and diverge. TabPeut's route would appear to follow a course nearer to the coast, crossing the el-Cuf system (Myrsinitis fl.) near its mouth and then climbing the Gebel again near Messa (Artamis). From there to Cyrene its route is fairly secure from milestone evidence. ItAnt's route took a longer and more southerly line, avoiding the Cuf altogether, and passing through Slonta (Lasamices?), before approaching Cyrene from the south. A fragment of milestone was recorded by Goodchild at Sidi Mohamed el-Homri, and J. Reynolds has now recorded one from slightly further west (as yet unpublished). It should confirm that this was indeed the line of the second route (here I broadly support the views of TIR Cyrene; Goodchild 1971; Laronde 1983; 1987 against those of Stucchi 1975; Purcaro Pagano 1976).

To the south and east of Cyrenaica extended Marmarica, a desert region with comparatively few major population centers. The Roman frontier in this direction is poorly researched on the ground (Daniels 1987; Goodchild 1976, 195-209; Reynolds 1988) and merits further study, not least for what might be learned of the province's relationship with its southern neighbors. The oasis of Augila (comprising at least three separate centers) was the most important such neighbor. Its significance lies not merely in its south-north communications with Cyrenaica, but also in its links with the transhumant Nasamones of Syrtica, and with the great east-west desert routes that linked Egypt, Ammon (Siwa) and Garama (see further, Maps 35, 36, 37 and 73). The archaeology of the Augila oasis group is practically unknown, but it can be argued that it was a secondary oracle of Ammon (Mattingly 1994, 33). Desert routes were a vital part of the regional communications network, operating both south to north and east to west (Bates 1914; Rebuffat 1970; Luni 1979; Laronde 1987, 203-206; cf. also Maps 36, 37, 73).

The location of tribal groups on the map is very approximate, and follows essentially the lines laid down by Bates (1914) and Desanges (1962; 1980). It is clear that some of these groups were very thoroughly assimilated into the life of the main cities and their satellite villages. More work, however, is needed on non-classical sites and on the earliest settlement in the region (White 1994).

Silphium, the medicinal plant that was highly prized by both Greeks and Romans, grew in the pre-desert zone to the south of Euesperides and Barke, where it was harvested by Libyans. This plant became extinct in antiquity, and no attempt is made to indicate its zone of cultivation (Chamoux 1953, 246-63; Laronde 1987, 49).

Knowledge of place names (many cited by Purcaro Pagano 1976) is derived from the usual range of Greco-Roman sources (gathered by Fantoli 1933), with the notable addition of the Late Roman correspondence and other works of Synesius (Fitzgerald 1926; 1930). Most of the place name evidence is summarized by entries in RE, which should be consulted as a matter of course alongside the works cited in this Directory. A high proportion of the place names have Greek or Libyan derivations, and many sites were known by different names in successive phases of the region's history (Ward 1968; Bisi 1977). The question of the location of mythical features in the landscapes of Cyrenaica, such as the Gardens of the Hesperides, has been another focus of study (Jones 1971; Ferri 1976).

Goodchild's work (1968; 1971; 1976; TIR Cyrene) was vital for the compilation of the map, supplemented largely by the compendia on Cyrenaican architecture by Stucchi (1975), Purcaro Pagano's compilation of place names (1976), Laronde's acute sense of historical geography (1987), and several valuable reviews of archaeological work (Vickers 1972; Humphrey 1980; Lloyd 1989). Joyce Reynolds made available information about many rural villages from a manuscript by Ward-Perkins and Goodchild on Cyrenaican churches (1989).

Directory

All place names are in Libya

Abbreviation

TIR Cyrene

Tabula Imperii Romani, *Cyrene*, Oxford, 1954

Names

Grid	Name	Period	Modern Name / Location	Reference
D1	Agabis § Acabis	RL	el-Ghegab	Ptol. 4.4.7; ItMiller 875
B1	<i>Ain Zeina</i>	R		Stucchi 1975, 359
A2	Amastor	H	Bu Sceriba?	Purcaro Pagano 1976, 326
B2	Ampalaontes?	RL	Gasr el-Arid	ItMiller 877; Carter 1963, 19-20; Stucchi 1975, 510
	Aphrodites Nesos = Laia Nesos			
C1	Apollonia/ Sozousa § Portus Cyrenorum	ACHRL/ L ACH	Marsa Susa	Humphrey 1976; Purcaro Pagano 1976, 32-28; Laronde 1996 Stucchi 1975, 358
C1	Aptouchou Hieron?	HRL	Haniya	Jones 1971, 73-75; Laronde 1987, 282, 314
C1	Araraukeles?	R		Desanges 1962, 147; Enc Berb 6
D1	<i>el-Ardam</i>	HR		Laronde 1985, 112-14
B1	Arsinoe/ Taucheira § Teucheira	HR/ ACHRL	Tocra	Purcaro Pagano 1976, 347-48 Stucchi 1975
C1	Artamis?	ACHRL	Messa	Laronde 1987, 276-85
B1/D1	Asby(s)tai	HR		Desanges 1962, 147-49; EncBerb 7
B1	<i>Aslaia</i>	C		Vickers 1971
A3	Astrochonda			See Map 37
B2	Attici/ Phenica	R/ L	Rus ez-Zuella?	Purcaro Pagano 1976, 329, 344
C4	Augila	CHRL	Augila / Gialo	Scarin 1937, 45-81, 95-107, 121-25; Stucchi 1975, 359, 363; EncBerb 7
C4	Augilai	CHR		Desanges 1962, 160-61; EncBerb 7
B1	Auschisai?	CHRL		Desanges 1962, 149; EncBerb 8
C1	Ausigda?	HRL	Gasr Disa, Ain Giargiarummah	Laronde 1987, 282
D1	Aziris § Azurion?	ACHR?L	Wadi el-Chalig	Carter 1963, 24-25; Boardman 1966
B1	Bakales?	CH?		Desanges 1962, 149-50; EncBerb 9
C1	Balagrae	HRL	Beida	Stucchi 1975, 263-65
B1	Barke § Barkaia Barkes Limen = Ptolemais	CHRL CH	el-Merg / al-Marj	Dore 1994 Laronde 1987; EncBerb 9 Barcaei
B1	Barkitai § Bakatae?	RL		Desanges 1962, 150; EncBerb 9 Barcaei
D1	<i>Beit Tamer</i>	RL	Beit Ammer	Stucchi 1975, 359, 503
C1	<i>el-Belgas</i>	H?R		Stucchi 1975, 511
B1	<i>el-Benia</i>	L	Bania / Gasr el-Geballa	Goodchild 1976, 197-99
B1	<i>el-Bent</i>	R		Stucchi 1975, 516
B1	Berenice § Berenicis	HRL	Benghazi	Purcaro Pagano 1976, 331; Lloyd 1977
B1	<i>Bersis</i>	L		Stucchi 1975, 398, 403
D1	<i>Bir Tarakenet</i>	CL		Stucchi 1975, 533
A2	Boreion Pr. § Bryon Aigialos?	R	Ras Taiunes	Ptol. 4.4.2; Purcaro Pagano 1976, 332
C1	<i>Bratis</i>	RL		J.B. Ward-Perkins

Grid	Name	Period	Modern Name / Location	Reference
C1	<i>Bu Darag</i>	HRL	Budrasc	Stucchi 1975, 109-11, 533
C1	<i>el-Buerat</i>	R	Gerrari	Goodchild 1976, 200
D1	<i>Buma</i>	RL	Buma el-Garbia / Buma esc-Shergia	J.B. Ward-Perkins
C1	Callis	RL	Sidi Nuah?	Laronde 1987, 270
B1	Chairekla	CHRL	Zaviet Asgafa / el-Abio	Stucchi 1975, 359, 523; Laronde 1987, 201-202
B2	Chaminos	RL	Ghemines	Purcaro Pagano 1976, 332
D1	<i>Chaulan</i>	R		Laronde 1987, 286
D1	Cherronesos	R		Catani 1985, 150-54
A2	Chersis	HR	Chersa / Karsa	Fadel Ali 1995
D1	Chersis § Diachersis?	HR	Sidi Bu Fachra	Laronde 1987, 280
E1	Chersonesos Akra		Ras et-Tin	Purcaro Pagano 1976, 333
B2	Chorotus/ Noetu? § Hoetu	R R	Gseir et-Trab?	Purcaro Pagano 1976, 333, 343
B1	<i>Coefia</i>	R		Laronde 1987, 329-30
B3	Corniclanum	RL	Agedabia	Stucchi 1975, 358-59
B1	Cyrenaica	R		Romanelli 1943
C1	Cyrene § Claudiopolis?	ACHRL	Ain Shahat, Grennah	Stucchi 1975
D1	Darnis § Darne	ACHRL	Derna	Stucchi 1975, 357-58; Purcaro Pagano 1976, 333-34
E1	Dionysos	HR?	Saline, S Ras et-Tin	Laronde 1987, 223
B2	Drepanon	HR	Ras Carcura?	Stucchi 1975, 579
D1	<i>Errazen</i>	H?R	Irasa	Pacho 1827, 84-88; Chamoux 1953, 119
D1	Erythron § Erythrae	RL	Wadi el-Atrun, Latrun	Stucchi 1975, 358, 379; Goodchild 1976, 250-51
B1	Euesperides § Euesperites	ACHR?	Benghazi	Purcaro Pagano 1976, 335; Lloyd 1985; Vickers 1994; Buzaian 1996
C1	<i>Faidia</i>	R		Laronde 1987, 272-73, 280
B1	<i>el-Farzuga</i>	RL		TIR Cyrene
D1	<i>Gabu Iunes</i>	RL		Stucchi 1975, 359, 447, 474
C1	<i>Gariat Sidi Omran</i>	HRL		Laronde 1987, 291-94
C1	<i>el-Garib</i>	R		Stucchi 1975, 358-59
D1	<i>Gasr ar-Rakam</i>	HR?		Stucchi 1987, 332
C1	<i>Gasr Bandes</i>	RL		J.B. Ward-Perkins
C1	<i>Gasr Beni Gdem</i>	RL	Migdum	Stucchi 1975, 359, 422-27
D1	<i>Gasr Bu Zayd</i>	HR		Stucchi 1987, 250, 252
B1	<i>Gasr el-Gatres</i>	L		J.B. Ward-Perkins
C1	<i>Gasr el-Hammam</i>	H?R?		Laronde 1987, 269-72
B3	<i>Gasr el-Heneia</i>	L		Goodchild 1976, 175-81
B2	<i>Gasr en-Nfeil</i>	L		TIR Cyrene
B3	<i>Gasr esc-Sahabi</i>	R	Sidi Sahabi	Stucchi 1975, 518
C1	<i>Gasr esc-Sciaden</i>	R?L	esh-Shawden / Shahden	Stucchi 1975, 528-29; Goodchild 1976, 201-203
B1	<i>Gasr et-Tuil</i>	RL		TIR Cyrene
B2	<i>Gasr Galida</i>	L	Gasr Kalita	Stucchi 1975, 524-25
D1	<i>Gasr Gebra</i>	CH?RL	el-Gioz	Stucchi 1975, 359, 506-507
C1	<i>Gasr Khuraybah</i>	RL?		Gambini 1976, 453-58
C1	<i>Gasr Mismar</i>	RL		Gambini 1976, 449-53
D1	<i>Gasr Raqiq</i>	HR		Laronde 1987, 302
C1	<i>Gasr Sciza</i>	RL?		TIR Cyrene
B1	<i>Gasr Silina</i>	L		TIR Cyrene
C1	<i>Gasr Suwayrah</i>	HR		Chamoux 1994
C1	<i>Gasr Tecasis</i>	RL?		Goodchild 1976, 150
C1	<i>Gasr Uscisc</i>	RL	Ushish	Stucchi 1975, 528

Grid	Name	Period	Modern Name / Location	Reference
B1	<i>Gasr Zagret</i>	L		Stucchi 1975, 527
D1	<i>Gasr Zeitun</i>	H		Stucchi 1975, 176, 178
C1	<i>Gfonta</i>	RL?	Gfanta	Stucchi 1975, 511
B2	<i>Ghemines</i>	RL		Goodchild 1976, 181-85
C4	<i>Gialo</i>	R?		Pacho 1827, 281; Scarin 1937, 95-107
C4	<i>Gicherra</i>	R?	Leskerrah	Scarin 1937, 121-25
A2	<i>Gnade?</i> § <i>Gindanes?</i>	RL?		Desanges 1962, 150-51; EncBerb 20
D1	<i>el-Gubba</i>	HRL		Stucchi 1975, 141
B1	Hadrianopolis/ Kaukalou Kome? § <i>Adriane</i>	H?R/ H	Driana	Jones 1971, 67-70; 1971a; Stucchi 1975, 234; Purcaro Pagano 1976, 325-26
A2	Herakleion Akroterion § <i>Drepanon Pr.</i>			See Map 37
B2	Herakleioi Thines	H	near Ras Carcura	Purcaro Pagano 1976, 336
B1	Hesperidum Horti	CH	near Coefia	Jones 1971, 78
D1	Hippon	R	el-Mgeinina?	Purcaro Pagano 1976, 336
D1	Hydrax?	RL	Ain Mara	Goodchild 1976, 251-52
B3	Hyphaloi Inss.		near ez-Zuetina	Purcaro Pagano 1976, 299
B3	Kainon	HR?	Zeutina?	Purcaro Pagano 1976, 337
C1	Kainopolis § <i>Cenopolis</i> Kaukalou Kome? = Hadrianopolis	HRL	Maaten el-Agla? Gasr el-Gaama?	Laronde 1983; 1987, 270
B4	Laguatan			See Map 35
D1	Laia/ Aphrodites Nesos		Geziret Chersa	Stucchi 1975, 108
C1	Lasamices? § <i>Lasanices?</i>	RL	Slonta	Laronde 1987, 272-74; Luni 1987
B1	Lathon/ Leton fl. § <i>Lethe fl.</i>	HR	Bu Shatin	Jones 1971, 78-79
C1	Lesanikoi § <i>Laganikoi</i> Leton fl. = Lathon fl.	R		Desanges 1962, 151
D1	Libyarchai	R		Desanges 1962, 163-64
B1	Libycum Mare			See Map 73
D1	Limnias?	RL	Lamluda	Stucchi 1975, 359, 387-89; Roques 1987, 401, 405
A3	Maia Ins.			See Map 37
B3	Makatoutai			See Map 37
D1	Ma(ra)ndis? § <i>Arimantos Kome?</i>	RL? R	Gasr el-Carmusa	Purcaro Pagano 1976, 340 Ptol. 4.4.7; Laronde 1987, 280
C1	<i>Maraua</i>	R?		Laronde 1987, 274
D1	<i>el-Marazig</i>	HRL	Zaviet el-Marazigh / Massakit	Stucchi 1975, 169, 534
D1	Marmarica			See Map 73
B2	Marmaridai			See Map 73
D1	<i>Martuba</i>	L		Goodchild 1976, 203
D1	<i>el-Mechili</i>	RL		Stucchi 1975, 359, 476
D1	<i>Medinet Bu Hindi</i>	RL		Stucchi 1975, 359, 480, 503
C1	<i>Mgarnes</i>	CH?RL	Mghernes / Ngarnes	Stucchi 1975, 226, 415, 448, 475-77
B3	Misynos/ Skopelites Ins.			See Map 37
D1	<i>el-Mtaugat</i>	CL		Stucchi 1975, 375-77, 395-97
C1	Myrsinitis fl.		Wadi el-Cuf	Roques 1987, 68
B3	Nasamones	CHRL		Mattingly 1994, 28, 33

Grid	Name	Period	Modern Name / Location	Reference
D1	Naustathmos	HRL	Marsa Hilal	Stucchi 1975, 359, 384-85
D1	Naustathmos Limen		Ras el-Hilal	Purcaro Pagano 1976, 342
C1	Neapolis Theodorias § Olbia?	L	Gasr Elbia, Lebia	Stucchi 1975, 358, 381; Alföldi-Rosenbaum 1980, 120-39
B2	Nigize? Noetu? = Chorotus	L		Desanges 1962, 154-55
E1	Paliouros § Paliuris	HR	Wadi et-Tmimi	Stucchi 1975, 108, 358 (n. 13); Purcaro Pagano 1976, 343
B1	Pentapolis § Regio Pentapolitana	RL		RE; Laronde 1987, 17, 23
E1	Phaia Phenica = Attici	ACH?	Bomba?	Laronde 1987, 223
C1	Phykous	HRL	Zaviet el-Hamama	Jones 1971, 73-74
C1	Phykous Akron		Ras Aamer / Ras Sem	Purcaro Pagano 1976, 344
E1	Plateia	AL?	Gasr el-Bomba?	Laronde 1987, 223-24
E1	Plateia? Ins.	AL	Bomba Pr.	Laronde 1987, 222-25
A3	Pontia Ins.			See Map 37
B3	Priscu Taberna	L	Tombia?	Purcaro Pagano 1976, 345
B1	Pseudopenias Pr.		Benghazi	Stucchi 1975, 117
B1	Ptolemais/ Barkes Limen	ACHRL/ ACH	Tolmeta / Tulmeitia	Purcaro Pagano 1976, 345-46 Kraeling 1962
D1	<i>Refaa</i>	R?L		J.B. Ward-Perkins
D1	<i>Ruus el-Aslab</i>	HR		Stucchi 1975, 107-108, 244
C1	<i>Safsaf</i>	RL		Stucchi 1975, 359, 484-86, 511
B2	<i>Esc-Sceleidima</i>	R		Goodchild 1976, 197
C1	Semeros	R	Bir Deheira?	Laronde 1987, 274
B2	Serapeion	HR	Sidi el-Msceiti?	TIR Cyrene
C1	<i>Sheneishen</i>	R?L		Stucchi 1975, 511
C1	<i>Sidi Aamer</i>	RL	Ras Sem	Stucchi 1975, 358, 579
D1	<i>Sidi Akreim</i>	RL		J.B. Ward-Perkins
C1	<i>Sidi Mohamed el-Homri</i>	H?RL		Laronde 1987, 272-74
C1	<i>Sira</i>	R		Goodchild 1976, 200
C1	<i>Siret Ain Relles</i> Skopelites Ins. = Misynos Ins.	RL		Gambini 1976, 459-62
C1	<i>Slonta</i>	R	el-Tesaira, close to Lasamices	Luni 1987
D1	<i>Snibat el-Awila</i>	CHR	Suni el-Abiad	Stucchi 1975, 76; Laronde 1987, 301-14
B2	<i>Soluk</i> Sozousa = Apollonia	R?L?		J.B. Ward-Perkins
B2	<i>et-Tailimun</i>	L		Goodchild 1976, 197
B1	<i>Tansoluch</i> Taucheira = Arsinoe	RL		Stucchi 1975, 377, 408
C1	<i>Taurguni</i>	RL		Laronde 1987, 269, 422
D1	<i>Tert</i>	RL		Stucchi 1975, 359
B1	Theotimaion	HR	Tereth?	Purcaro Pagano 1976, 348
B1	Tritonis? Palus		Bu Hayrat Bu Zazirah	Jones 1971, 78

Grid	Name	Period	Modern Name / Location	Reference
D1	<i>Wadi Morgus</i>	R?L		J.B. Ward-Perkins
C1	<i>Wadi Senab</i>	HRL	Got Giaras / Hagfa el-Khasaliya / Kaf el-Kebir / Kaf el-Hasin	Attiya 1975
D1	<i>ez-Zauani</i>	CHR	Snibat el-Awila	Stucchi 1975, 76, 167, 177; Laronde 1987, 301-304
B2	<i>Zau Taberna?</i>	RL?	N Chaminos	Purcaro Pagano 1976, 349
B1	<i>Zaviet el-Gsur</i>	RL		Goodchild 1976, 199
C1	<i>Zaviet Ennablu</i>	RL		J.B. Ward-Perkins
C2	<i>Zaviet Msus</i>	R		Reynolds 1971; Goodchild 1976, 197-98
D1	<i>Zephyrion Akron</i>		Ras Bu Meddad	Purcaro Pagano 1976, 349-50

Aqueducts

Grid	Location	Period	Reference
B1	Ptolemais	R	Arthur 1974
B1	Hadrianopolis	R	Jones 1971; 1971a
C1	Apollonia	R	Laronde 1996

Numbered Sites

No.	Grid	Location	Period	Reference
1	C1	Gasr Silu	L	Stucchi 1975, 362
2	C1	Sidi Abd el-Uahad	L	Stucchi 1975, 396, 433
3	C1	Zaviet el-Argub	L	Stucchi 1975, 359, 425, 429-31
4	C1	Gasr Umm esc-Scegiar	L	TIR Cyrene
5	C1	Narbek	L	J.B. Ward-Perkins
6	C1	el-Mneitika / Siret el-Manatika	L	Ward-Perkins 1972, 235
7	C1	Shehriz	L	Stucchi 1975, 511
8	C1	Gasr Nauara	L	TIR Cyrene
9	C1	Siret el-Giamel / Gasrin di Beida	L	Stucchi 1975, 425-29
10	C1	Sciunia	L	TIR Cyrene
11	C1	Sidi Said	L	Ward-Perkins 1972, 235
12	C1	Siret er-Rcheim	L	Stucchi 1975, 388, 432-34
13	C1	Gasr Stablous	L	J.B. Ward-Perkins
14	C1	Gasr Tectana	L	Stucchi 1975, 531; Goodchild 1976, 204-205
15	C1	Gerdes el-Gerrari	L	Stucchi 1975, 511
16	C1	Gasr el-Ariga / el-Arigia	L	Stucchi 1975, 524
17	C1	Gasr er-Remtiet	L	Goodchild 1976, 200, 205
18	D1	Gasr el-Maragh	L	Goodchild 1976, 200
19	C1	Umm Heneia / Umm Henia el-Garbia / Esc-Shergia	L	Stucchi 1975, 439-40, 559; J.B. Ward-Perkins
20	D1	Bertelles	L	Stucchi 1975, 377, 386
21	D1	Ras el-Hilal	L	Ward-Perkins 1972, 235
22	D1	Sidi Bu Breyek	L	J.B. Ward-Perkins
23	D1	Omm Sellem	L	Stucchi 1975, 362
24	D1	Gasr Uertig	L	Goodchild 1976, 200
25	D1	Gasr Bu Hassan	L	Stucchi 1975, 531
26	D1	Siret el-Craat	L	Stucchi 1975, 388
27	D1	Esc-Sceneidra / Siret esc-Schedira	L	Stucchi 1975, 362
28	D1	Siret Bu Hosc	L	Stucchi 1975, 362
29	D1	Asgafa	L	Stucchi 1975, 523

Roads

Itinerary	Period	Reference
Aptouchou Hieron? → Artamis?	CHRL	Laronde 1987, 281-84; Roques 1987, 118-19
Barke → Zaviet Msus	RL	TIR Cyrene
Berenice via Corniclanum	RL	Goodchild 1971, 161-62; 1976, 149-50; Purcaro Pagano 1976, 290-91
Berenice → Barke → Ptolemais	ACHRL	Laronde 1987, 262-64
Chairekla → el-Benia	RL	TIR Cyrene
Coast road Berenice → Ptolemais	ACHRL	ItMiller 876-77; Goodchild 1971, 162; Purcaro Pagano 1976, 290-1
Coast road(s) Astrochonda → Berenice	ACHRL	Goodchild 1971, 161-2; 1976, 149-50; Purcaro Pagano 1976, 290-91; Laronde 1987, 199-200
Corniclanum → Augila	RL	Goodchild 1971, 162
Corniclanum → Zaviet Msus → el-Mechili → Paliouros	RL	TIR Cyrene
Cyrene → Apollonia	ACHRL	Goodchild 1971, 163
Cyrene → Darnis → Paliouros	ACHRL	Goodchild 1971, 163; Purcaro Pagano 1976, 292
Cyrene → Ma(r)andis? → Paliouros	RL?	ItMiller 875; Goodchild 1971, 163; Laronde 1987, 119-28
el-Mechili → Darnis	RL	Luni 1979, 62-65
et-Tailimun → Chairecla	RL	Laronde 1987, 200-202
et-Tailimun → Zaviet Msus	RL	Goodchild 1971
Kainopolis → Lasamices?	RL	Laronde 1987, 261-76
Maritime itineraries	HRL	Purcaro Pagano 1976
Naustathmos → Limnias?	CHRL	TIR Cyrene
Phykous → Balagrae	CHRL	Laronde 1987, 281-84; Roques 1987, 118-19
Ptolemais → Kainopolis → Cyrene	RL	ItMiller 875-76; Goodchild 1971, 162-63; Laronde 1987, 261-76
Ptolemais → Lasamices? → Cyrene	RL	Goodchild 1971, 163; Laronde 1987, 261-76
routes E and W Augila	ACHRL	Bates 1914, 8-11; Scarin 1937; Rebuffat 1970; Luni 1979, 62-65; Mattingly 1983; Laronde 1987, 203-206; Roques 1987, 119-21

Unlocated Toponyms

Name	Period	Probable Location	Reference
Abathouba	R	interior of Marmarica?	Ptol. 4.5.13; Laronde 1987, 280
Agriolode	L	monastery	Stucchi 1975, 422
Alibaka	R	inland Cyrenaica?	Ptol. 4.4.7; Laronde 1987, 280
Alo	R	Gialo?	Ptol. 4.5.13; Laronde 1987, 280
Ampelos/ Ampelontes?	H	harbor in Cyrenaica	Purcaro Pagano 1976, 326
Apios/ Aptouchos?	H	harbor in Cyrenaica	Purcaro Pagano 1976, 327
Apis	H	between Serapeion and Koinon	Purcaro Pagano 1976, 327
Aprostiti	L		Stucchi 1975, 358
Arankai?			EncBerb 6
Archile	R	inland Cyrenaica?	Ptol. 4.4.7; Laronde 1987, 280
Asarakai			EncBerb 7
Asusamus	L		Stucchi 1975, 358
Auritina	R	inland Cyrenaica?	Ptol. 4.4.7; Laronde 1987, 280
Ausees			EncBerb 8
Axomis	L		Stucchi 1975, 358
Bassachis regio	R	E or S Darnis (or on Map 73, W Catabathmus Maior)	Catani 1985, 154
Billa	R	interior of Marmarica?	Ptol. 4.5.13; Purcaro Pagano 1976, 331
Cherronesos/ Chersonesos Akra?	H	harbor in Cyrenaica	Purcaro Pagano 1976, 332
Cleopatra	L		Stucchi 1975, 358

Name	Period	Probable Location	Reference
Diarroia	H	between Serapeion and Koinon	Purcaro Pagano 1976, 334
Diarroia Limen	R	between Serapeion and Koinon	Ptol. 4.4.2; Laronde 1987, 280
Dinarthison	L	monastery	Stucchi 1975, 422
Dioskoron	R	interior of Marmarica?	Ptol. 4.5.13; Laronde 1987, 280
Disthis	L	Tert?	Stucchi 1975, 358
Echinos Kome	R	inland Cyrenaica?	Ptol. 4.4.7; Laronde 1987, 280
Eraga	R	inland Cyrenaica?	Ptol. 4.4.7; Laronde 1987, 280
Euschoinon	H	between Hyphalal and Koinon	Purcaro Pagano 1976, 345-46
Gaphara	R	interior of Marmarica?	Ptol. 4.5.13; Purcaro Pagano 1976, 336
Gareathis regio	R	E or S Darnis (or on Map 73, W Catabathmus Maior)	Catani 1985, 154
Halai	RL?	minor location on coast SW Benghazi	StadMM 61-62
Kelida	R	el-Gubba?	Ptol. 4.4.7; Laronde 1987, 306-308
Leukai Kaminoi/ Caminos?	R	interior of Marmarica?	Ptol. 4.5.13; Purcaro Pagano 1976, 339
Leukai Napai	R	interior of Marmarica?	Ptol. 4.5.13; Purcaro Pagano 1976, 339
Leukoe	R	interior of Marmarica?	Ptol. 4.5.13; Laronde 1987, 280
Magrou Topos	R	near Augila	Ptol. 4.5.13
Marabina	R	inland Cyrenaica?	Ptol. 4.4.7; Laronde 1987, 280
Maranthis Kome	R	Mrat? inland Cyrenaica?	Ptol. 4.4.7; Laronde 1987, 280
Masadalis	R	interior of Marmarica?	Ptol. 4.5.13; Laronde 1987, 280
Masouchis	R	interior of Marmarica?	Ptol. 4.5.13; Purcaro Pagano 1976, 340
Mazakila	R	interior of Marmarica?	Ptol. 4.5.13; Purcaro Pagano 1976, 340
Memno(co)nes	R		Desanges 1962, 152
Migo	R	interior of Marmarica?	Ptol. 4.5.13; Laronde 1987, 280
Mokcheris	R	interior of Marmarica?	Ptol. 4.5.13; Laronde 1987, 280
Myrmex Ins.	R		Ptol. 4.4.8; Laronde 1987, 280
Neapolis	RL	inland Cyrenaica; Zaviet Ennablu?	Ptol. 4.4.7; Stucchi 1975, 358, 381
Ouelpa M.	R		Ptol. 4.4.5; Laronde 1987, 280
Palaebisca	L	Beit Tamer or el-Marazig?	Laronde 1987, 297
Phalakra	R	inland Cyrenaica?	Ptol. 4.4.7; Laronde 1987, 280
Philonos Kome	R	inland Cyrenaica?	Ptol. 4.4.7; Laronde 1987, 280
Pithos	RL?	minor location on coast SW Benghazi	StadMM 59-60
Rhinia	RL?	minor location on coast SW Benghazi	StadMM 58-59
Saragina	R	near Augila	Ptol. 4.5.13; Laronde 1987, 280
Septimiake regio	R	E or S Darnis (or on Map 73, W Catabathmus Maior)	Catani 1985, 154
Takaphoris		interior of Marmarica?	Ptol. 4.5.13; Purcaro Pagano 1976, 347
Thintis/ Disthis	R L	Tert?	Ptol. 4.4.7; Laronde 1987, 280, 304
Zemythos	R	between Cyrene and Phykous?	Ptol. 4.4.7; Laronde 1987, 280
Zenertis	H	harbor in Cyrenaica	Purcaro Pagano 1976, 349

Bibliography

- Alföldi-Rosenbaum 1980
E. Alföldi-Rosenbaum and J.B. Ward-Perkins, *Justinianic mosaic pavements in Cyrenaican churches*, Rome, 1980.
- Arthur 1974
C. Arthur, "The Ptolemais aqueduct: a description of its present condition and its course," *LibSt* 5 (1974) 24-29.
- Attiya 1975
B. Attiya, et al., "Prima escursione nello Uadi Senabe nel Got Giaras," *LibAnt* 11-12 (1975) 251-96.
- Barker 1985
G.W.W. Barker, J.A. Lloyd and J.M. Reynolds (eds.), *Cyrenaica in antiquity*, BAR International series 236, Oxford, 1985.
- Bates 1914
O. Bates, *The eastern Libyans: an essay*, London, 1914.
- Beechey 1828
F.W. Beechey and H.W. Beechey, *Proceedings of the expedition to explore the northern coast of Africa, from Tripoly eastward*, London, 1828.
- Bisi 1977
A.M. Bisi, "Note ad alcuni toponomi punici e libici della Cirenaica," *QAL* 9 (1977) 125-34.
- Boardman 1966
J. Boardman, "Evidence for the dating of Greek settlements in Cyrenaica," *BSA* 61 (1966) 149-56.
- Buzaian 1996
A. Buzaian and J.A. Lloyd, "Early urbanism in Cyrenaica: new evidence from Euesperides," *LibSt* 27 (1996) 129-52.
- Carter 1963
T.H. Carter, "Reconnaissance in Cyrenaica," *Expedition* 5.3 (1963) 18-27.
- Catani 1985
E. Catani, "La coltura della vite e la produzione di vino nella Cirenaica greca e romana: le fonti storiche e l'arte figurativa antica," in G.W.W. Barker, J.A. Lloyd and J.M. Reynolds (eds.), *Cyrenaica in antiquity*, BAR International series 236, pp. 145-64, Oxford, 1985.
- Chamoux 1953
F. Chamoux, *Cyrène sous la monarchie des Battiades*, Bibliothèque des écoles françaises d'Athènes et de Rome, fasc. 177, Paris, 1953.
- Chamoux 1994
F. Chamoux and G. Hallier, "Un colombier en pierre de taille près d'Apollonia," *LibSt* 25 (1994) 119-24.
- Daniels 1987
C.M. Daniels, "Africa," in J. Wachter (ed.), *The Roman world*, vol. 1, pp. 223-65, London, 1987.
- Desanges 1962
J. Desanges, *Catalogue des tribus africaines de l'antiquité classique à l'ouest du Nil*, Dakar, 1962.
- Desanges 1980
J. Desanges, *Pline l'Ancien. Histoire naturelle, livre V, 1-46*, Collection Budé, Paris, 1980.
- Dore 1994
J.N. Dore, "Is el-Merj the site of ancient Barqa? Current excavations in context," *LibSt* 25 (1994) 265-74.
- Fadel Ali 1995
M. Fadel Ali and J.M. Reynolds, "Inscriptions from the cemetery at Karsa," *LibAnt* n.s. 1 (1995) 73-78.
- Fantoli 1923
A. Fantoli, *Cyrenaica*, Touring Club Italiano, Libya vol. 2, Milan, 1923.
- Fantoli 1933
A. Fantoli (ed.), *La Libia negli scritti degli antichi*, Rome, 1933.
- Ferri 1976
S. Ferri, "Fenomeni ecologici della Cirenaica costiera nel II millennio a.C. Nuovi dati archeologici su gli Argonauti a Euesperide," *QAL* 8 (1976) 11-17.
- Fitzgerald 1926
A. Fitzgerald, *Letters of Synesius of Cyrene*, London, 1926.
- Fitzgerald 1930
A. Fitzgerald, *The essays and hymns of Synesius of Cyrene*, 2 vols., London, 1930.
- Gambini 1976
V. Gambini and E. Catani, "Nuove terme bizantine nei dintorni di Cirene," *QAL* 8 (1976) 449-63.
- Goodchild 1959
R.G. Goodchild, *Cyrene and Apollonia. An historical guide*, London, 1959.
- Goodchild 1968
R.G. Goodchild, "Graeco-Roman Cyrenaica," in E.T. Barr (ed.), *Geology and archaeology of northern Cyrenaica, Libya*, pp. 23-40, Tripoli, 1968.

- Goodchild 1971
R.G. Goodchild, "The Roman roads in Libya and their milestones," in F.F. Gadallah (ed.), *Libya in history. Proceedings of a conference held at the Faculty of Arts, University of Libya, 1968*, pp. 155-71, Benghazi, 1971.
- Goodchild 1976
R.G. Goodchild, *Libyan Studies: selected papers of the late R. G. Goodchild*, J.M. Reynolds (ed.), London, 1976.
pp. 145-54 = "Mapping Roman Libya," *GeogJ* 118 (1952) 142-52.
pp. 155-72 = "Arae Philaenorum and Automalax," *PBSR* 20 (1952) 94-110.
pp. 173-86 = "'Libyan' forts in south-west Cyrenaica," *Antiquity* 25 (1951) 131-44.
pp. 195-209 = "The Roman and Byzantine *Limes* in Cyrenaica," *JRS* 43 (1953) 65-76.
- Humphrey 1976
J.H. Humphrey (ed.), *Apollonia, the port of Cyrene*, *LibAnt Suppl.* 4, Tripoli, 1976.
- Humphrey 1980
J.H. Humphrey, "North African Newsletter 2," *AJA* 84 (1980) 75-87.
- Johnson 1973
D.L. Johnson, *Jabal al-Akhdar, Cyrenaica: an historical geography of settlement and livelihood*, Univ. of Chicago, Dept. of Geography research paper 148, 1973.
- Jones 1971
G.D.B. Jones and J.H. Little, "Coastal settlement in Cyrenaica," *JRS* 61 (1971) 64-79.
- Jones 1971a
G.D.B. Jones and J.H. Little, "Hadrianopolis," *LibAnt* 8 (1971) 53-67.
- Kraeling 1962
C.H. Kraeling, *Ptolemais, city of the Libyan Pentapolis*, Chicago, 1962.
- Laronde 1983
A. Laronde, "Kainopolis de Cyrénaïque et la géographie historique," *CRAI* (1983) 67-85.
- Laronde 1985
A. Laronde, "Apollonia de Cyrénaïque et son histoire: neuf ans de recherches de la mission archéologique française en Libye," *CRAI* (1985) 93-115.
- Laronde 1987
A. Laronde, *Cyrène et la Libye hellénistique. Libykai historiai de l'époque républicaine au principat d'Auguste*, Paris, 1987.
- Laronde 1996
A. Laronde, "Apollonia de Cyrénaïque: archéologie et histoire," *Journal des Savants* Janvier-Juin (1996) 3-49.
- Lloyd 1977
J.A. Lloyd (ed.), *Excavations at Sidi Khrebish, Benghazi (Berenice) I*, 2 vols., *LibAnt Suppl.* 5.1, Tripoli, 1977.
- Lloyd 1985
J.A. Lloyd, "Some aspects of urban development at Euesperides-Berenice," in G.W.W. Barker, J.A. Lloyd and J.M. Reynolds (eds.), *Cyrenaica in antiquity*, BAR International series 236, pp. 44-66, Oxford, 1985.
- Lloyd 1989
J.A. Lloyd, "Urban archaeology in Cyrenaica 1969-1989: the Hellenistic, Roman and Byzantine periods," *LibSt* 20 (1989) 77-90.
- Luni 1979
M. Luni, "Il caravanserraglio di Cirene ed indagine preliminare sui percorsi interni della Cirenaica," *QAL* 10 (1979) 49-65.
- Luni 1987
M. Luni, "Il santuario rupestre libyco delle Immagini a Slonta (Cirenaica)," *QAL* 12 (1987) 415-58.
- Mastino 1990
A. Mastino, "Le Sirti negli scrittori de età Augustea," in *L'Afrique dans l'occident romain I^{er} siècle avant J.C. - IV^{ème} après J.C.*, pp. 15-48, Rome, 1990.
- Mattingly 1983
D.J. Mattingly, "The Laguatan: a Libyan tribal confederation in the late Roman empire," *LibSt* 14 (1983) 96-108.
- Mattingly 1994
D.J. Mattingly, *Tripolitania*, Ann Arbor, 1994.
- Norsa 1931
M. Norsa and G. Vitelli, "Il Papiro Vaticano greco II," *Studi e Testi* 53 (1931) 51-62.
- Oliviero 1931
G. Oliviero, "Federico Halbherr in Cirenaica (Luglio 1910 - Aprile 1911)," *AfrIt* 4 (1931) 229-90.

- Pacho 1827
J.-R. Pacho, *Relation d'un voyage dans la Marmarique, la Cyrénaïque et les oasis d'Audjelah et de Maradèh*, 2 vols., Paris, 1827.
- Purcaro Pagano 1976
V. Purcaro Pagano, "Le rotte antiche tra la Grecia e la Cirenaica e gli itinerari marittimi e terrestri lungo le coste cirenaiche e della Grande Sirte," *QAL* 8 (1976) 285-352.
- Rebuffat 1970
R. Rebuffat, "Routes d'Égypte de la Libye Intérieure," *StudMagr* 3 (1970) 1-20.
- Reynolds 1971
J.M. Reynolds, "Zawiet Msus," *LibAnt* 8 (1971) 39-42.
- Reynolds 1988
J.M. Reynolds, "Inscriptions from the Cyrenaican limes," *AfrRom* 5 (1988) 167-72.
- Reynolds 1989
J.M. Reynolds, "Twenty years of inscriptions," *LibSt* 20 (1989) 117-26.
- Romanelli 1940
P. Romanelli, "Il confine orientale della provincia romana di Cirene," *RPAA* 16 (1940) 215-23.
- Romanelli 1943
P. Romanelli, *La Cirenaica romana (96 a.C. - 642 d.C.)*, Verbania, 1943.
- Roques 1987
D. Roques, *Synésios de Cyrène et la Cyrénaïque du Bas-Empire*, Paris, 1987.
- Scarin 1937
E. Scarin, *Le oasi cirenaiche del 29° parallelo*, Florence, 1937.
- Stucchi 1975
S. Stucchi, *Architettura cirenaica*, Rome, 1975.
- Stucchi 1987
S. Stucchi, "L'architettura funeraria suburbana cirenaica in rapporto a quella della chora viciniore ed a quella libya ulteriore, con speciale riguardo all'età ellenistica," *QAL* 12 (1987) 249-377.
- Touring Club d'Italia 1929
Touring Club d'Italia, *Possedimenti e Colonie*, Milan, 1929.
- Vickers 1971
M. Vickers and A. Bazama, "A fifth century BC tomb in Cyrenaica," *LibAnt* 8 (1971) 69-84.
- Vickers 1972
M. Vickers and J.M. Reynolds, "Cyrenaica 1962-72," *ArchRep* (1971-1972) 27-47.
- Vickers 1994
M. Vickers, D. Gill and M. Economou, "Euesperides: the rescue of an excavation," *LibSt* 25 (1994) 125-36.
- Ward 1968
P. Ward, "Place names in Cyrenaica," in E.T. Barr (ed.), *Geology and archaeology of northern Cyrenaica, Libya*, pp. 3-12, Tripoli, (1968).
- Ward-Perkins 1972
J.B. Ward-Perkins, "Recent work and problems in Libya," *Actas del VIII congreso internacional d'arqueologia cristiana*, pp. 219-36, Barcelona, 1972.
- White 1994
D. White, "Before the Greeks came: a survey of the current archaeological evidence for the pre-Greek Libyans," *LibSt* 25 (1994) 31-44.

