

Map 23 Tomis-Olbia-Chersonesos

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Introduction

The region to the north and west of the Black Sea has received substantial archaeological attention over many years (see especially Koshelenko 1984, supplemented by Hind 1992; cf. 1994; and, on a wide range of issues, Vinogradov 1997). More recently it has been the subject of underwater investigations, which, with some support from geologists, have encouraged dramatic reconstructions of much of the coastline (notably Agbunov 1985; 1987; cf. Hind 1983, 72). It seems that the Black Sea was somewhere between three and thirty ft. lower in the first millennium B.C. (the so-called Phanagorian regression). That, however, is a huge range, while it should also be noted that much of the argument for sea-level changes depends upon archaeological work and speculations, so that there is a danger of circular argument. Yet some rise in sea-level since antiquity is clear, not only at large sites like Olbia, but also at smaller sites, like Kutsurub (numbered site 25; Marchenko 1983). Reconstructions of the coastline are therefore needed, but the process of recovering the ancient shore has not yet advanced far enough to permit great confidence in detail. In particular, while some of the problems of identifying ancient sites may be solved by a better understanding of physical changes since antiquity, recourse to reconstructions must remain a last resort for the time being. More often, the primary difficulty is the reconciliation of conflicting ancient testimony. Accordingly, much of the shoreline of this map—from the R. Danube westwards to Taphros (modern Perekop)—is marked as uncertain, but reconstructions have not been adopted wholesale.

The deltas of the rivers present the most complex areas of change. The Danube delta has evidently changed since antiquity, but the nature of that change is known only in very broad terms. Much speculation has been encouraged by the fact that ancient writers count the branches of the delta with different results (Agbunov 1979, 123; 1987, 142-44; Panin 1983; 1983a; cf. Parroni 1984, 281; Corcella 1993, 271-72; Silberman 1995, 59). While they variously refer to three, five, six or seven mouths, there are now three principal ones. By the Roman period, the figure of seven seems to become more or less standard: its value is indicated by the fact that each of the seven is named (though not by all sources, nor always in the same way). However, the delta was evidently large and marshy enough to encourage different conceptualizations of its lower course. Tacitus (*Germ.* 1) mentions six mouths emptying into the Black Sea, with a seventh into a marsh, while Strabo (7.3.15) pays attention to the relative size of the mouths and sets them out accordingly. Ptolemy seems confused (Brandis, RE 4 cols. 2117-22; cf. Treidler, RE 23 cols. 1400-1404; TIR Romula). Limited geological research (Panin 1983; 1983a), and the largely concordant accounts of the Roman period, constitute the basis of the provisional reconstruction of the delta on the map.

In making this reconstruction, particular attention has been paid to the description by Pliny (*NH* 4.83), who gives names not only for the mouths of the Danube, but also for some of the “islands” formed by the channels of the delta. Attention may be drawn to the merits of the version presented here, beyond its broad accordance with the irreconcilable evidence of our sources and its attention to such geology as we know. First, the most southerly branch of the delta leads into the saline marsh (ancient Halmyris) beyond which the city of Histria is located. In that sense, Histria (“city of the Hister”) was not as far removed from the great river as even the best maps tend to suggest. Second, the curiously named Pseudostoma is seen to be indeed a “false mouth,” in the sense that it seems to offer a useful passage to or from neither south nor north; in effect, the courses of the neighboring channels make it redundant for the traveler. Third, the version presented here accounts, too, for the fact that the Borion (“northern”) Stoma was not the most northerly mouth of the Danube delta; rather, Ppsilon Stoma was (though the two were sometimes equated). Even so, as the map shows, Borion Stoma could readily be envisaged as such, with the channel to its north (Ppsilon/Thiagola) passing into the sea through a marsh (Thiagola), rather like the most southerly channel.

The delta of the R. Dnieper (ancient Borysthenes) presents a separate set of problems. The river itself has been changed by the modern construction of a reservoir in the north-east corner of the map, an area rich in Scythian

tumuli. The map thus attempts to reproduce the earlier course of the river, with its many channels and islands. It is at the mouth, however, that changes are most significant for the classical world and also most problematic. Although I adopt a fairly conservative stance, it has been cogently argued that in antiquity a branch of the lower Dnieper cut straight through the peninsula facing the mouth of the R. Bug (ancient Hypanis) and debouched into a much reduced Yagorlytskiy Bay; consequently, Ivanovka 5 (numbered site 64), for example, lay far inland from the shore of that bay (Kryzhitskiy 1989, 15, 97 and 153). At the same time, it is argued, the “Wooded Sea” (Hylaeum Mare) to the south-east of the Bug mouth was substantially smaller than today.

The lower course of the R. Dniester (ancient Tyras) has likewise been the subject of reconstruction, though evidently with less support from geological research. The fact that Ophioussa is sometimes identified by our sources with Tyras, and at others is presented as a separate location (Kacharava 1991, 205-206), has encouraged the suggestion that it was an island, now engulfed by the lower course of the Dniester (Agbunov 1981; cf. Hind 1983, 78; Kacharava 1991, 206-207). Such problems are familiar in the western Black Sea region (see, for example, Gocheva 1996 on Dionysopolis, Map 22 F5). Until there has been a rigorous study of the geology of the lower Dniester, a more cautious solution seems preferable—for example, that Ophioussa became Tyras in the middle of the fourth century B.C. (Kacharava 1991, 205-207).

Be that as it may, rather more ancient testimony has combined with sustained archaeology on the lower Dniester, and still more on the Lower Bug, to produce substantial knowledge. Many of the sites here are so close to one another that they are shown on the map with a single symbol, as a cluster; where such a group of sites is large, the location of the cluster symbol on the map can only be an approximation. At the same time, archaeologists have given the names of nearby modern settlements to ancient sites, which may in fact be at some distance from their modern homonym; the map shows the ancient location under its modern name.

The study of the lower course of the Bug is dominated by the city of Olbia, whose lowest parts are now under water. Like Tyras, Olbia too had another name, Borysthenes (a third name, Miletopolis, seems a rarity). The name Borysthenes is now attested there in the archaic period, on a graffito of the sixth century B.C. on an architectural terracotta (Rusayeva 1988, 166-67), and on a bone plaque (Hind 1992, 95). Although the name was supplanted by Olbia in the city itself, it persisted in the literary tradition. Accordingly, it is used at the end of the first century A.D. by Dio Chrysostom in his Oration 36, a text which offers some circumstantial detail—for example, illustrating vividly the Hylaeum Mare—although it is not a historical description of contemporary realities (Braund 1997). Borysthenes was also the name of the great R. Dnieper, as well as evidently of the island of Berezan', whence the settlement of Olbia seems to have proceeded (Kacharava 1991, 49).

Throughout the northern area of the map, river names are a persistent source of uncertainty, all the more troubling since they are so often used by sources from Herodotus onwards as points and lines of reference (Hdt. 4.82 with RE Suppl. 9 Pontos Euxeinos, col. 923; Corcella 1993, 275-77).

A similar source of confusion is the name of Achilles. It was applied widely in the region, where his cult was of great significance. His name is attached not only to Achilleios Dromos (“Achilles’ Racecourse,” modern Tendra), but also to the island of Leuke (off the Danube delta) whose significance was disproportionate to its size, both as a cult-center and as a port-of-call. Leuke had a particular value in any direct voyage from the Danube delta to the western Crimea (Hind 1983, 78; cf. Hind 1996). It perhaps also facilitated an alternative route from the Danube delta to the Dniester area; certainly the island could be perceived as off the Dniester rather than off the Danube (Strabo 7.3.16). It seems that the coast between the Danube and the Dniester had little to offer: here was the Eremia Geton (“Wasteland of the Getae,” Strabo 7.3.14), another coast which seems to have lost settlements to the rising waters of the Black Sea (cf. Agbunov 1981).

Two cities of the region have dominated scholarly interest, Olbia on the Lower Bug (Hypanis) and Chersonesos in the south-west corner of the Crimea. The civic territories of both, with their associated settlements, have proved particularly rewarding. The estuary of the Lower Bug around Olbia was densely settled throughout antiquity, while at Chersonesos the pre-Roman centuriation of the chora can even be traced in some detail (Zherebtsov 1981; Zubar' 1993; Saprykin 1994). There were buildings on these plots, including tower-like structures, which came and went, though the land continued to be worked after their disuse; Kruglikova (1983) offers a detailed case-study. Nikolayenko (1988) describes such defended “villas,” and notes a preponderance towards the limits of centuriated land, as well as sites which seem to be associated with the natural defenses of the Chersonesos region, particularly the line of Khomutova Balka and Sapun Gora, the foothills of the Tauric Mountains to the east.

To the north along the coast, the chora of Chersonesos may have reached as far as modern Masliny in the Hellenistic period, much further than once thought (Treister 1993, 542-44; cf. Solomonik 1987 for epigraphy there).

The location of Karkinitis, Kerkinitis and Karkine constitutes an insoluble difficulty. The map follows the usual view that there was only one Karkinitis in the region (also known as Kerkinitis), and that this is to be located at modern Eupatoria. However, despite the strength of that orthodoxy, there remains considerable concern that Karkinitis should be located further north in the next bay of the Crimea, known today (perhaps significantly) as Karkinitiskiy bay, or that the three names refer to more than one settlement. At any rate, it seems clear enough that the ancient Karkinitis Kolpos is Karkinitiskiy bay and that the ancient R. Karkinites emptied into it, being the modern R. Kalanchak. Ptolemy's mention of a settlement named Karkine at the mouth of that river would account for these names, while causing least disruption to current orthodoxy. Accordingly, Karkine, which some would identify with Karkinitis/Kerkinitis, appears separately on the map (Kacharava 1991, 128-33 is exhaustive on the issue; cf. Silberman 1995, 56-57). Further south, the map adopts the orthodox locations of Parthenion Akron and the temple of Parthenos on Cape Fiolent, near St. George's Monastery. Yet Strabo's description of the area (7.4.2) seems rather to point to their location on Cape Chersonesos, the peninsula between Chersonesos and Palaia Chersonesos. Accordingly, the locations of both are presented as uncertain.

The "barbarian" peoples of the region pose a series of problems. Usually they are understood as three broad groupings, following one from another: the Scythians, replaced by the Sarmatians in the Hellenistic period, who in various guises (Alanoi, Bastarnae, Iazyges etc.) continued at the margins of the Roman empire until they were replaced by or, in some locations, evolved into the so-called "Chernyakhov culture" of Late Antiquity (see below). In addition, there are the "Thrakes" on the west of the map (Nikulitse 1987; Treister 1993b), and the Tauroi and Tauroskythai of the mountains of the southern Crimea (for their antecedents, Kris 1981; cf. Shcheglov 1988), a region known as Dory in Late Antiquity (Bortoli-Kazanski 1987; Piro 1990).

The processes of change among the "barbarians" remain at issue: the significance of invasion may well have been overestimated at the expense of evolutionary change (see further Map 84, Introduction). Similarly, while the ethnic labels familiar in modern scholarship are those used by classical writers, archaeology may be a better guide to cultural identity. The account of Herodotus has attracted particular controversy (Corcella 1993). By and large, his text has been pressed too hard in searches for literal truth characteristic of Soviet methodology, not least for the ancient world. For example, scholars have attempted to identify Skyles' house at Olbia and the *proasteion* where he left his men in Herodotus' story (cf. Hind 1983, 81). Meanwhile, Zaginaylo (1990) seeks to argue that Skyles' authority was extensive in the north-west Black Sea (including the coastal communities) from about 475 B.C.

Archaeology shows a substantial correspondence between land-use and ecology, as might be expected. The steppe behind the north shorelands of the Black Sea was generally suited to nomadic pastoralism. Here, for the most part—the Lower Dnieper is an obvious exception which proves the rule—there were no significant Scythian settlements (as we choose to call them). Rather, such settlement was largely in the wooded steppe immediately to the north of the map, notably around the R. Vorskla towards Kiev (Pogrebova 1957; cf. Rolle 1991, 64 for the geographical and cultural lines of the steppe and woodlands to the north). It is on the western bank of the Vorskla that Bel'skoye Gorodishche is situated, identified as Herodotus' Gelonos (Shramko 1987, 21, with reference also to the settlement at Kamenskoye Gorodishche).

The relations between the "barbarians" and the classical world were a particular issue on the coastlands of the Black Sea. Certainly, there was trade: thus the "Scythian" settlement at Neapolis, near Simferopol' in the Crimean hinterland, contained considerable Greek material, including graffiti (Golentsov 1979; on Neapolis and the elusive Chabon and Palakion, see Gajdukevič 1971, 309). Moreover such trade persisted into the Roman period, as Kadeyev (1989, 80-89) indicates for Chersonesos in the south-western Crimea.

There was also mundane co-existence between "barbarians" and settlers from the classical world. For example, Okhotnikov (1990, esp. 55-63) notes the close interaction and apparent cohabitation of "Greeks," "Scythians," "Thracians" and others on the Lower Dniester and Danube. Marchenko constructs a similar picture for Olbia and Berezan' (1988; cf. Hind 1992, 92-94). In the Crimea, the role of the Tauroi in the early stages of Greek settlement at Chersonesos is bound up with a current dispute over the date of the city's foundation: the case for a foundation-date (however that may be imagined) in the late sixth century seems to become ever stronger as excavation continues, though the traditional date of c. 422 retains powerful adherents (note Zedgenidze 1993; cf. Hind 1992, 97-99 on the issue). Elsewhere in the Crimea, a passage of Pliny (*NH* 4.85) has caused many to

imagine Scythian cities named Orgokynoi, Charakenoi, Assyranoi, Staktaroi, Akisalitai and Kaliordoi: as the names might suggest, however, these are tribes.

There seem to have been ditches at Perekop, the isthmus which connects the Crimea with the mainland (Vdovichenko 1986). Ptolemy (3.5.4) mentions a Neon Teichos in the area of Perekop, to be identified or at least associated with Taphros, situated on the isthmus (Pliny, *NH* 4.85). The geographical significance of the isthmus was evident enough, not only for military purposes but also (and perhaps more importantly) for the exaction of “taxes.” The creation of a wall and ditch there may be explained accordingly. Further, the north of Sivash (Bykes Limne), while separated from Coretus bay of the Sea of Azov by a rocky outcrop, was linked with Tamyrikes bay and the north-west Black Sea by a ditch, apparently man-made (*fossa*: Pliny, *NH* 4.84; cf. the man-made watercourse nearby, *ibid.*). This ditch may well explain the toponym Taphrai, as well as the ethnonym of the local Taphrioi. Evidently Perekop was a line of communication east-west as well as north-south.

As usual on the north and east shores of the Black Sea, the Roman, and especially the Late Roman, period has been rather neglected by comparison with earlier centuries. The Roman military presence, particularly from the late first century A.D., has attracted significant interest (note Treister 1993a; Koshelenko 1984, 57 for forts, esp. Charax). Tile-stamps indicate the activity of Roman military units (or at least the use of their products) even on the island of Leuke (Treister 1993, 533-34; cf. Hind 1983, 78 for Tyras; Avdeyev 1993 for Chersonesos). Of particular interest is the recent discovery of evidence for the production of high-quality silverware at Kara-Tobe (no. 87 on the map), perhaps for use by Roman forces in the region as diplomatic gifts in the first century A.D.

From the turn of the fourth into the fifth century, it seems, the coast and mountains between Yalta in the west and Gurzuf in the east were inhabited by people who emerge in the middle of the sixth century as the Goths of the Dory region (Vasiliev 1936, 32-38, 52-57; Kazanski 1991, 118-24). Mangup (no. 102) in the mountains may have been the center of power in Dory, though Eski-Kermen (no. 104) was also significant in the area (cf. Myts 1990 for the medieval period there, with Vinogradov 1994 and Map 84 (introduction) on links with the Aorsoi). Procopius’ (*Aed.* 3.7) account of Justinian’s constructions in the region is doubtless as over-stated as ever in his work; Late Antique remains are largely burial grounds. He claims substantial work at Chersonesos, and the creation of a fort at Alushta (Aloustou Phourion), as well as another “among the Gorzoubitai” (the tribal name seems to survive in the modern toponym Gurzuf). He retains the ethnonyms Tauroi and Tauroskythai, but mentions also the friendly Goths of the fertile uplands of Dory, claiming that Justinian protected them with long walls across routes into their lands (*Aed.* 3.7.17).

From the end of the third century A.D., the inhabitants of the environs of such cities as Tyras and Olbia are assigned to the Chernyakhov culture (Bortoli-Kazanski 1987, 441-42). This cultural group is linked with much of the Late Antique settlement of the north Black Sea coast (Shchukin 1975; Symonovich 1979; Magomedov 1984). It is best known, however, by its burial-grounds (Kropotkin 1988; Samoylova 1989). For Late Antique coins in the region, see Kokorzhitskaya (1990), briefly supplementing Nudel'man (1976). Shchukin (1979) attempts to construct the history of the Chernyakhov culture, with its roots in that of the Sarmatians.

Directory

All place names are in Ukraine unless otherwise noted

Abbreviation

TIR CastReg
TIR Romula

Tabula Imperii Romani M 33, *Castra Regina–Vindobona–Carnuntum*, Prague, 1986
Tabula Imperii Romani L 35, *Romula–Durostorum–Tomis*, Bucharest, 1969

Names

Grid	Name	Period	Modern Name / Location	Reference
I3	<i>Abrikosovka</i>	HR		Koshelenko 1984, 73-75 (no. 275)
A4	<i>Abrud</i>		ROM	See Map 22
F3	<i>Abuzlar</i>	CH		Saprykin 1986, 141 (no. 33)
G1	<i>Acesinus?</i> fl.	HR	upper Ingulets	Pliny, <i>NH</i> 4.83
E2	<i>Achilleios Dromos</i> <i>Achilleos Nesos = Leuke</i> Ins.	ACHRL	Tendrovskaya Kosa	Kacharava 1991, 38-39
C3	<i>Ad Stoma</i>	R?L	Sfinu Gheorghe ROM	TIR Romula 21
B3	<i>Aegyssus</i>		ROM	See Map 22
D3	<i>Aepolium</i>	HR	Shabalata	RE Suppl. 9 Pontos Euxeinos, col. 1037; Kacharava 1991, 327
A1	<i>Agathyrsoi</i>	AC		Corcella 1993, 272-73
F3	<i>Ak-Mechet'</i>	C		Melyukova 1989, 126
E1	<i>Alazones</i>	AC		Corcella 1993, 243-44
F2	<i>Aleksandrovka</i>	ACHR		Wařowicz 1975, 139 (no. 5); Kryzhitskiy 1989, 21 (no. 104), 98 (nos. 134-41)
H1	<i>Alekseyevka</i>	CH		Gavrilyuk 1991, 52 (no. 12)
B3	<i>Aliobrix</i>		MOL	See Map 22
H4	<i>Aloustou Phourion</i>	R?L	Alushta	RE Suppl. 9 Pontos Euxeinos, col. 1037
E2	<i>Andreyevka</i>	R		Kryzhitskiy 1989, 157 (no. 5)
B4	<i>Argamum</i>		ROM	See Map 22
B3	<i>Arubium</i>		ROM	See Map 22
H4	<i>Athenaion/</i> <i>Skythotauron Limen</i>	HRL	Sudak	Kacharava 1991, 35-36
D1	<i>Axiacae</i>	HR		Pliny, <i>NH</i> 4.82
D1	<i>Axiakes</i> fl.	HR	Tiligul	RE
B4	<i>Axiopolis</i>		ROM	See Map 22
I3	<i>Ayvazovskoye</i>	HR		Koshelenko 1984, 73-75 (no. 274)
B4	<i>Babadag</i>		ROM	See Map 22
G1	<i>Baby</i>	C		Melyukova 1989, 54-56, 102-103
G4	<i>Balka Bermana</i>	HRL		Nikolayenko 1988, 204-205
B3	<i>Barboři</i>		ROM	See Map 22
G3	<i>Basileioi</i> § <i>Basilikoi</i>	ACHR		Hdt. 4.20; Ptol. 9.8.10
B2/B3	<i>Bastarnae</i>		MOL / UKR	See Map 22
G4	<i>Bel'bekskoye</i>	HR		Zubar' 1994, 115 (no. 21)
D2	<i>Belen'koye</i>	CHRL	Budak Liman	Kacharava 1991, 167
F2	<i>Belozerskoye</i>	C?H		Pogrebova 1957, 104 (no. 15)
D2	<i>Belyayevka</i>	CH		Sekerskaya 1989, 4 (no. 15)
B4	<i>Beroe</i>		ROM	See Map 22
G1	<i>Bizyukovo</i>	C?H		Pogrebova 1957, 107 (no. 8)
H1	<i>Blagoveshchenskoye</i>	CH		Gavrilyuk 1991, 52 (no. 11)
G1	<i>Bliznitsa Slonovskaya</i>	CH		Melyukova 1989, 52, 99
E2	<i>Bol'shaya Korenikha</i>	ACHR		Wařowicz 1975, 143 (no. 25); Kryzhitskiy 1989, 21 (no. 84), 98 (nos. 99-101)
G1	<i>Bol'shelepetikhinskoye</i>	C?H		Pogrebova 1957, 104 (no. 10)
C3	<i>Borion Stoma</i>	HR		TIR Romula 28
F2	<i>Borysthenes</i> fl.	ACHRL	Dnieper	RE Suppl. 9 Pontos Euxeinos, col. 924; Agbunov 1981, 130-38
E2	<i>Borysthenes</i> Ins. § <i>Thyora</i> Ins.	ACHRL	Berezan'	Kryzhitskiy 1989, 84; Kacharava 1991, 49-56, 260; Treister 1993, 538-40
E2	<i>Borysthenes/</i> <i>Olbia</i> § <i>Miletopolis</i> § <i>Olbiopolis</i>	ACHRL	Parutino	Kacharava 1991, 188-201; Treister 1993, 534-38
F2	<i>Borysthenitai</i>	C		Hdt. 4.18
B3	<i>Britolagai</i>		MOL / UKR	See Map 22

Grid	Name	Period	Modern Name / Location	Reference
F2	<i>Bublikova Balka</i>	ACH		Waşowicz 1975, 140 (no. 7); Kryzhitskiy 1989, 21 (no. 103)
G4	<i>Bulganak</i>	HR		Kacharava 1991, 299; Zubar' 1994, 115 (no. 3)
G3	<i>Burnel'</i>	CH		Saprykin 1986, 141 (no. 42)
F2	<i>Buzovo</i>	R		Kryzhitskiy 1989, 157 (no. 61)
G2	Bykes fl.			Ptol. 3.5.4
G2	Bykes Limne	HR	N Sivash	Ptol. 3.5.2; Kacharava 1991, 281
B4	Capidava		ROM	See Map 22
B3	<i>Carcaliu</i>		ROM	See Map 22
A2	Carpi			See Map 22
A4	Carsium		ROM	See Map 22
B3	<i>Căşla</i>		ROM	See Map 22
B4	<i>Cernavoda</i>		ROM	See Map 22
H4	Charax	HRL	Ai-Todor	Treister 1993, 544
H1	<i>Chernecha</i>	CH		Gavrilyuk 1991, 52 (no. 5)
G4	Chersonesos § Cherson § Heraclea Cherronesus § Megarike	A?CHRL		Bortoli-Kazanski 1987, 448-55; Kacharava 1991, 304-25; Zubar' 1994
H1	<i>Chertomlyk</i>	CH		Kacharava 1991, 155 Melyukova 1989, 54-59
H1	<i>Chervonogrigor'yevka</i>	CH		Gavrilyuk 1991, 52 (no. 7)
H1	<i>Chmyreva Mogila</i>	CH		Melyukova 1989, 52, 59, 103, 112, 119
F3	<i>Chorotay</i>	C?HR		Saprykin 1986, 141 (no. 29); Kacharava 1991, 129
B4	Cius		ROM	See Map 22
B4	<i>Cochirleni</i>		ROM	See Map 22
C3	Conopon Diabasis	HR		Pliny, <i>NH</i> 4.79
H2	Coretus Sinus		NW Utlyukskiy Liman	Pliny, <i>NH</i> 4.84
A1	Costoboci		MOL	See Map 22
D1	Crobyzi	R		Pliny, <i>NH</i> 4.82
B4	<i>Dăeni</i>		ROM	See Map 22
A4	Danuvius/ Istros/ Hister fl.	RL/ C/ RL	Danube	RE; TIR CastReg 35
B4	<i>Deleni</i>		ROM	See Map 22
F2	Demeter, T.	C	Stanislavskoye	Kacharava 1991, 233
C3	<i>Denisoye</i>	RL		TIR Romula 38
H2	<i>Deyev</i>	CH		Melyukova 1989, 36, 52, 107
B3	Dinogetia		ROM	See Map 22
C3	<i>Diviziya</i>	H?R		Kacharava 1991, 146
I3	<i>Donskaya</i>	HR		Koshelenko 1984, 73-75 (no. 271)
H3	<i>Dort Oba</i>	CH	Mirnaya	Olkhovskiy 1990, 57
H4	Dory	L	Tauric Mts.	Kazanski 1991a, 118-24
B4	<i>Dunărea</i>		ROM	See Map 22
F3	<i>Dzhan-Baba</i>	CH		Saprykin 1986, 141 (no. 26)
F3	<i>Dzhangul' 1</i>	CH		Saprykin 1986, 141 (no. 30)
F3	<i>Dzhangul' 2</i>	CH		Saprykin 1986, 141 (no. 31)
F3	<i>Dzharylgach</i>	CH		Saprykin 1986, 141 (no. 40)
B4	<i>Enisala</i>		ROM	See Map 22
F2	Enoecadioe	HR		Pliny, <i>NH</i> 4.83
C3	Eremia Geton	HR		Strabo 7.3.14
A4	Flaviana		ROM	See Map 22
G1	<i>Ganovskoye</i>	C?H		Pogrebova 1957, 104 (no. 5)
G1	<i>Gavrilovskoye</i>	C?H		Pogrebova 1957, 104 (no. 4)
I1	<i>Gaymanova</i>	CH		Melyukova 1989, 56-59
H1	<i>Germes</i>	CH		Melyukova 1989, 52
I1	Gerros fl.	CHR	Molochnaya	Ptol. 3.5.4

Grid	Name	Period	Modern Name / Location	Reference
B3	Getae			See Map 22
B4	<i>Ghindărești</i>		ROM	See Map 22
F2	<i>Glubokaya Pristan'</i>	HR		Waşowicz 1975, 139 (no. 1); Kryzhitskiy 1994, 197
I3	<i>Gogolevka</i>	HR		Koshelenko 1984, 73-75 (no. 273)
G1	<i>Gornostayevskoye</i>	C?H		Pogrebova 1957, 104 (no. 11)
H4	Gorzoubitai	L		Procop., <i>Aed.</i> 3.7.11
D2	<i>Gradenitsy</i>	CHR		Sekerskaya 1989, 4 (no. 13)
C3	Gratiana?	H?RL	near Murighiol ROM	TIR Romula 44
F3	<i>Groty</i>	CH		Saprykin 1986, 141 (no. 41)
B4	<i>Gura Dobrogei</i>		ROM	See Map 22
H4	<i>Gurzuf</i>	HR		Hind 1992, 99
B4	Halmyris Limne	HR		Pliny, <i>NH</i> 4.79; TIR Romula 44
C3	Halmyris? § Olymyria § Salmorude?	RL	Murighiol ROM	PECS Murighiol; TIR Romula 44
C3	Harpioi	HR		Ptol. 3.10.14; RE Suppl. 9 Pontos Euxeinos, col. 1012
D2	Hierasos fl.	HR	Alkaliya	Ptol. 3.10.8
E2	Hieron Akron	HR	W end of Tendra	Ptol. 3.5.2
C4	Hieron fl. Hieron Stoma = Peukes Stoma	HR		TIR Romula 45
F2	Hippolaou Akra Hister fl. = Danuvius fl.		Stanislavskoye Pr.	Hdt. 4.53; Kacharava 1991, 233
B4	Histria	ACHR	ROM	See Map 22
B3	<i>Horia</i>		ROM	See Map 22
E2	Hylaeum Mare	HR		Pliny, <i>NH</i> 4.83
F2	Hylaia § Abike Hypakyris? fl. = Karkinites fl.	CHR		Corcella 1993, 245
E1	Hypanis fl.		Bug	RE Suppl. 9 Pontos Euxeinos, col. 924
E1	Iazyges Ibida = (L)Ibida	HR		KIPauly
D2	Isiakon Limen	CHRL	Odessa	Kacharava 1991, 59-60
B3	<i>Ismail</i>			See Map 22
D2	Istrianon Limen	CH	E Odessa	Agbunov 1981, 136-37; Kacharava 1991, 60-61
I4	Istrianos fl. Istros fl. = Danuvius fl.		S Crimea	Ptol. 3.6.2
B3	<i>Jijila</i>		ROM	See Map 22
G4	<i>Kachinskoye</i>	HR?		Zubar' 1994, 115 (no. 19)
F2	<i>Kakhovka</i>	CH		Melyukova 1989, 38
E2	Kallipidai	C		Corcella 1993, 243
C3	Kalon Stoma	HR		TIR Romula 48
F3	Kalos Limen?	CHRL	Chernomorskoye	Saprykin 1986, 141 (no. 2); Kacharava 1991, 117-20; Hind 1992, 96
E2	<i>Kamenka</i>	ACHR		Waşowicz 1975, 149 (no. 61); Kryzhitskiy 1989, 21 (no. 9); 157 (no. 25)
H1	<i>Kamenskoye</i>	CH		Gavrilyuk 1991, 52 (no. 1)
H1	<i>Kapulovka</i>	CH		Gavrilyuk 1991, 52 (no. 14)
F3	<i>Karadzinskoye</i>	CH		Saprykin 1986, 141 (no. 28)
H1	<i>Karaydubina</i>	CH		Gavrilyuk 1991, 52 (no. 16)
G2	Karkine?	HR	Kalanchak estuary	Kacharava 1991, 121-22
G2	Karkinites/ Hypakyris? fl. § Pakyris		Kalanchak	Ptol. 3.5.2; RE Suppl. 9 Pontos Euxeinos, col. 929
F3	Karkinitis Kolpos			Strabo 7.3.18

Grid	Name	Period	Modern Name / Location	Reference
D2	<i>Karolino-Bugaz</i>	CH		Sekerskaya 1989, 4 (no. 4); Kacharava 1991, 71-72
F3	<i>Kastel'</i>	CH		Saprykin 1986, 141 (no. 32)
F2	Kephalonesos		NW of Crimea	Ptol. 3.5.2
G3	Kerkinitis?	ACHRL	Eupatoria	Kutaisov 1990; Kacharava 1991, 128-33 Hind 1992, 96 Kacharava 1991, 128
	§ Karkinitis			
	§ Koronitis			
H4	<i>Kermen-Kyr</i>	HR		Zubar' 1994, 115 (no. 2)
F2	<i>Kherson</i>	ACL		Melyukova 1989, 49, 50, 54
H1	<i>Khomina</i>	CH		Melyukova 1989, 58, 104
E2	<i>Koblevo</i>	HR		Kacharava 1991, 185-87
G1	<i>Konsulovskoye</i>	CH		Pogrebova 1957
I4	Korax Akron		Cape Meganom	Ptol. 3.6.2
E2	<i>Kosharskoye</i>	CHL		Kacharava 1991, 186-87; Hind 1992, 92
D2	<i>Kosovka</i>	CH		Sekerskaya 1989, 4 (no. 51); Kacharava 1991, 73
G2	<i>Kozatskoye</i>	CH		Pogrebova 1957, 104 (no. 13)
F2	<i>Krasnopresnensky</i>	CH	Krasnoye Podol'ye	Melyukova 1989, 52
G4	<i>Krasnozorsinskoye</i>	HR		Zubar' 1994, 115 (no. 20)
D3	Kremniskoi			Agbunov 1981, 138-43;
	§ Cremiscoe			Kacharava 1991, 145-47
G4	Kriou Metopon Pr.	CHRL	Cape Sarych	Agbunov 1984, 126-28
G4	<i>Kulakovsky</i>	AC		Melyukova 1989, 102
H4	Lagyra	HR	Livadia	Kacharava 1991, 150
H4	Lampas	HRL	Biyuk-Lambat	Kacharava 1991, 150
G1	<i>Lemeshev</i>	CH		Minns 1913, 168
D3	Leuke Ins./ Achilleos Nesos	ACHR	Zmeinyi	Kacharava 1991, 151-53; Hind 1992, 91
	§ Achilleios Dromos			
	§ Phidonisi Ins.			
B4	(L)Ibida		ROM	See Map 22
H1	<i>Lysaya Gora</i>	CH		Gavrilyuk 1991, 52 (no. 2)
G2	<i>Lyubimovskoye</i>	CH		Pogrebova 1957, 104 (no. 21)
C2	Macroremni M.	HR		Pliny, <i>NH</i> 4.82
I3	Maeotis			See Map 84
H1	<i>Malaya Lepetikha</i>	CH		Melyukova 1989, 52
G3	<i>Masliny</i>	CH	Vladimirovka	Saprykin 1986, 141 (no. 43)
I2	<i>Melitopol'</i>	CH		Melyukova 1989, 52-59
F3	<i>Mezhvodnoye</i>	CH		Saprykin 1986, 141 (no. 39)
G1	<i>Mikhaylovka</i>	CH		Gavrilyuk 1991, 52 (no. 17)
D2	<i>Mologa</i>	HR		Sekerskaya 1989, 4 (no. 46)
G2	<i>Mordvinov</i>	CH		Melyukova 1989, 52-56
E2	Mysaris Akra	HR	E end of Tendra	Ptol. 3.5.2
D2	<i>Nadlimanskoye</i>	CH		Sekerskaya 1989, 4 (no. 23)
C3	Narakon Stoma	HR		TIR Romula 52
H4	Neapolis	HR	Kermenchik	Koltukhov 1990; Kacharava 1991, 164-65; Zubar' 1994, 115 (no. 1)
B3	<i>Nicolişel</i>		ROM	See Map 22
D2	Nikonion	CHRL	Roksolanskoye	Sekerskaya 1989; Kacharava 1991, 173-78
H1	<i>Nizhniy Rogachik</i>	CH		Gavrilyuk 1991, 52 (no. 6)
B3	Noviodunum		ROM	See Map 22
H2	<i>Oguz</i>	CH		Melyukova 1989, 52-61
	Olbia = Borysthenes			
	Ophioussa = Tyras			
D2	<i>Ovidiopol'</i>	HR		Sekerskaya 1989, 4 (no. 32); Kacharava 1991, 171
B4	<i>Ovidiu</i>		ROM	See Map 22
F3	<i>Oyrat</i>	CH		Saprykin 1986, 141 (no. 27)

Grid	Name	Period	Modern Name / Location	Reference
G4	Palaia Chersonesos	HR		Kacharava 1991, 90-92; Hind 1992, 96-97
D2	<i>Palanka</i>	HR		Sekerskaya 1989, 4; Kacharava 1991, 145
F3	<i>Panskoye 1</i>	CH		Saprykin 1986, 141 (nos. 34-36); Hind 1992, 96
F3	<i>Panskoye 2</i>	CH		Saprykin 1986, 141 (no. 38)
F2	Panticapes? fl.	HR	Ingulets / Vissun	Pliny, <i>NH</i> 4.83
G4	Parthenion, T.	CHR	Fiolent	Strabo 7.4.2
G4	Parthenion? Akron	CHR	Cape Fiolent	Strabo 7.4.2; Ptol. 3.6.2
B3	<i>Peceneaga</i>		ROM	See Map 22
G1	<i>Pervomayevka 1</i>	CH		Gavrilyuk 1991, 52 (no. 3)
G1	<i>Pervomayevka 2</i>	CH		Gavrilyuk 1991, 52 (no. 4)
I3	<i>Petrovka</i>	CH		Koshelenko 1984, 73-75 (no. 263)
C3	Peuke Nesos	HR	Danube delta	Kacharava 1991, 219
C4	Peukes/ Hieron Stoma	HR	ROM	TIR Romula 57
H4	'Phrourion'	L	near Yalta	Procop., <i>Aed.</i> 3.7.11; Kazanski 1991, 494-502
B3	<i>Piatra Rosie</i>		ROM	See Map 22
A4	<i>Piua Pietrei</i>		ROM	See Map 22
D2	<i>Pivdennoye</i>	HR		Sekerskaya 1989, 4 (no. 47); Kacharava 1991, 169-71
E2	<i>Podymovo</i>	R		Kryzhitskiy 1989, 157 (no. 16)
E2	<i>Pokrovskoye</i>	CHR		Kryzhitskiy 1989, 98 (no. 149)
D4	Pontus Euxinus			See Map 1
G2	<i>Ponyatovskoye</i>	C?H		Pogrebova 1957, 104 (no. 14)
C3	Pseudo Stoma	HR		TIR Romula 59
C3	Psilon Stoma/ Thiagola	HR		TIR Romula 59; RE Suppl. 9 Pontos Euxeinos, col. 1045
F2	<i>Pugach</i>	HR		Waşowicz 1975, 140 (no. 6); Kryzhitskiy 1989, 98 (no. 133)
B3	Pyretos fl.			See Map 22
B3	<i>Rachelu</i>		ROM	See Map 22
E2	<i>Radsad</i>	ACHR	Bugskiy Khutor	Waşowicz 1975, 143 (no. 29); Kryzhitskiy 1989, 21 (no. 81), 98 (no. 91)
G1	<i>Raskopana</i>	C		Melyukova 1989, 50-56
H4	<i>Razvilka</i> Rhode fl. = Sagaris fl.	HR		Zubar' 1994, 115 (no. 4)
H1	<i>Rogachik</i>	CH		Melyukova 1989, 56
I3	<i>Romanovka</i>	HR		Koshelenko 1984, 75 (no. 272)
B1	Roxolani		ROM	See Map 22
E2	<i>Rybakovka</i>	HR	Adzhiyask	Waşowicz 1975, 151 (no. 72)
F2	<i>Rybal'chye 1</i>	CH		Kryzhitskiy 1989, 98 (no. 146)
F2	<i>Rybal'chye 2</i>	CH		Kryzhitskiy 1989, 98 (no. 147)
G1	<i>Sabulkovskoye</i>	C?H		Pogrebova 1957, 104 (no. 6)
E1	Sagaris/ Rhode fl.	HR	Beresanskiy	RE Suppl. 9 Pontos Euxeinos, col. 929
C3	Salsovia	RL	Mahmudia ROM	TIR Romula 63
E2	Sangarius Sinus	HR		Pliny, <i>NH</i> 4.82
I3	Sapra Limne			See Map 87 inset
F2	Sardi	HR		Pliny, <i>NH</i> 4.83
B2	Sarmatae	HR	MOL / UKR	RE
C3	Sarmatica	HR		Pliny, <i>NH</i> 4.79; TIR Romula 47
H3	Satauci	HR		Pliny, <i>NH</i> 4.85
D2	Scopuli	RL	Dophinovka	RE Suppl. 9 Pontos Euxeinos, cols. 1116-17; Agbunov 1985, 134-36
B2/F1	Scythia			See Map 1
B4	Scythia Minor		ROM	See Map 22
B4	<i>Seimeni</i>		ROM	See Map 22
D2	<i>Semenovka</i>	HR		Sekerskaya 1989, 4 (no. 49)

Grid	Name	Period	Modern Name / Location	Reference
D2	<i>Shabo</i>	HR		Sekerskaya 1989, 4 (no. 42); Kacharava 1991, 72
I2	<i>Shulgovka</i>	CH		Melyukova 1989, 52
F2	<i>Siraci?</i>	HR		Pliny, <i>NH</i> 4.83
H1	<i>Skel'ki</i> Skythotauron Limen = Athenaion	CH		Gavrilyuk 1991, 52 (no. 9)
F2	<i>Sofiyevka</i>	CH		Kryzhitskiy 1989, 98 (nos. 144-45)
H1	<i>Solokha</i>	CH		Melyukova 1989, 52-59, 94-119
F2	<i>Stanislav</i>	ACHR		Waşowicz 1975, 139 (nos. 3-4); Kryzhitskiy 1989, 21 (nos. 105-106)
G2	<i>Staroshvedskoye</i>	CH		Pogrebova 1957, 104 (no. 9)
I3	<i>Staryy Krym</i>	HR		Koshelenko 1984, 73-75 (no. 276)
G4	Symbolon Limen	CHRL	Balaklava	Kacharava 1991, 62
C3	Ta Antiphilou	HR	Trapovka area	Kacharava 1991, 22
C2	Tagroi	HR		Ptol. 3.5.11
H3	<i>Talayeyskiy</i>	CH		Melyukova 1989, 65, 95
G3	Tamyrakes Kolpos	HR		Strabo 7.3.18
G2	Taphrioi	HR		Strabo 7.3.19
G2	Taphros § Taphrai	CHR	Perekop	Gajdukevič 1971, 306 (n. 2); Vdovichenko 1986; Kacharava 1991, 255-56
G3	Taurike Chersonesos	CHRL		Pliny, <i>NH</i> 4.85; Ptol. 3.5.2
G4	Tauroi § Skythotauroi	ACHRL		RE 1
G4	Tauroskythai § Skythotauroi	RL		Ptol. 3.5.11; Procop. <i>Aed.</i> 3.7.10
B3	<i>Telița</i>		ROM	See Map 22
B3	Thalamonium		ROM	See Map 22
I3	Theodosia Thiagola = Pylon Stoma			See Map 87 inset
B2	Thrakes	ACHRL	MOL / UKR	Nikulitse 1987
H1	<i>Tolstaya Mogila</i>	CH		Melyukova 1989, 54-59, 103-21
H1	<i>Tomakovka</i>	CH		Melyukova 1989
B4	Tomis		ROM	See Map 22
B4	<i>Topalu</i>		ROM	See Map 22
G4	<i>Topchikoy</i>	HR		Zubar' 1994, 115 (nos. 17-18)
B4	<i>Topraichioi</i>		ROM	See Map 22
H3	Torekkadai	HR		Ptol. 3.5.11
G4	Tracheia Chersonesos	ACHRL		Hind 1990
B3	<i>Traian</i>		ROM	See Map 22
B3	Troesmis		ROM	See Map 22
B3	Trog(l)odytae		ROM	See Map 22
A4	Tropaeum Traiani		ROM	See Map 22
H1	<i>Tsymbalka</i>	CH		Melyukova 1989, 52
C1	Tyras fl.		Dniester MOL / UKR	Corcella 1993, 274
D2	Tyras/ Ophioussa	CHRL	Belgorod-Dnestrovskiy (Akkerman)	Sekerskaya 1989, 4 (no. 2); Kacharava 1991, 260-71
C2	Tyregetai	HR		Strabo 7.3.17; RE Suppl. 9 Pontos Euxeinos, col. 1026
G4	<i>Ust'-Al'minskoye</i>	HRL	Al'ma-Tamak	Kacharava 1991, 82-83; Kazanski 1991, 493 (no. 10); Vysotskaya 1994; Zubar' 1994, 115 (no. 11)
E2	<i>Varvarovka</i>	ACH		Waşowicz 1975, 142-43 (no. 24); Kryzhitskiy 1989, 21 (nos. 85-86), 98 (no. 100)
B4	Vicus Buteridavensis		ROM	See Map 22
B4	Vicus Celeris		ROM	See Map 22
B4	Vicus Clement(...)		ROM	See Map 22
B4	Vicus Hi(...)		ROM	See Map 22
B4	Vicus Novus		ROM	See Map 22

Grid	Name	Period	Modern Name / Location	Reference
B4	Vicus Petrus		ROM	See Map 22
B4	Vicus Quintionis		ROM	See Map 22
B4	Vicus *Ramidava		ROM	See Map 22
B4	Vicus *Scaptia		ROM	See Map 22
B4	Vicus Scenopesis		ROM	See Map 22
B4	Vicus Turris *Mucaporis		ROM	See Map 22
B4	Vicus *Ulmetensium		ROM	See Map 22
B4	Vicus Urb(...)		ROM	See Map 22
B4	Vicus 'Ver(gob)rittiani'		ROM	See Map 22
A4	<i>Vlahii</i>		ROM	See Map 22
H1	<i>Vodyanoye</i>	CH		Gavrilyuk 1991, 52 (no. 15)
H1	<i>Vyshhetarasovka</i>	CH		Gavrilyuk 1991, 52 (no. 8)
F2	<i>Yagorlytskoye</i>	AC		Kryzhitskiy 1989, 21 (no. 107); Kacharava 1991, 203-205
D2	<i>Zatoka</i>	CHR		Sekerskaya 1989, 4 (no. 3); Kacharava 1991, 167
C3	<i>Zheltyy Yar</i>	H?R		Kacharava 1991, 146
D2	<i>Zhevakova</i>	C?H		Kacharava 1991, 60-61
G2	<i>Zmiyevka</i>	CH		Gavrilyuk 1991, 52 (no. 10)
H1	<i>Znamenskoye</i>	C?H		Pogrebova 1957, 104 (no. 2)
G1	<i>Zolotobalkovskoye</i>	C?H		Pogrebova 1957, 104 (no. 3)
G3	<i>Zolotoy Kurgan</i>	C		Melyukova 1989, 50, 64-65

Centuriation

Grid	Location	Period	References
F3	along coast in region of Kalos Limen?	CHR	Shcheglov 1992, 103-30
G3	near Kerkinitis?	CHR	Shcheglov 1992, 103-30
G4	near Chersonesos	CHRL	Shcheglov 1992, 130-66

Dike

Grid	Location	Period	References
G2	at Bykes Limne (2)	HR	Pliny, <i>NH</i> 4.84

Numbered Sites

No.	Grid	Location	Period	References
1	E2	Viktorovka	ACHR	Waşowicz 1975, 150-51 (nos. 70-71); Kryzhitskiy 1989, 21 (no. 1), 98 (no. 1)
2	E2	Malaya Lyashchevaya Kosa	ACH	Kryzhitskiy 1989, 21 (no. 2), 98 (no. 2)
3	E2	Bol'shaya Lyashchevaya Kosa	A	Kryzhitskiy 1989, 21 (nos. 3-4)
4	E2	Koza, Limany II	AR	Waşowicz 1975, 150 (no. 68); Kryzhitskiy 1989, 21 (no. 5)
5	E2	Malyshi	R	Kryzhitskiy 1989, 157 (no. 3)
6	E2	Khutor Svobodnyy	R	Kryzhitskiy 1989, 157 (no. 6)
7	E2	Berezanka	R	Kryzhitskiy 1989, 157 (no. 7)
8	E2	Matiyasovo	CH	Kryzhitskiy 1989, 98 (nos. 8-9)
9	E2	Mys, Berezanskiy-Sasitskiy	AR	Kryzhitskiy 1989, 21 (no. 6), 157 (no. 8)
10	E2	Andreyevo-Korino 2	HR	Waşowicz 1975, 150 (no. 62)
			A	Kryzhitskiy 1989, 21 (no. 7)

No.	Grid	Location	Period	References
11	E2	Shmidtovka	ACHR	Kryzhitskiy 1989, 21 (no. 8), 98 (nos. 3-6), 157 (nos. 10-12)
12	E2	Bolgarka	CH	Kryzhitskiy 1989, 98 (no. 7)
13	E2	Yablonya	R	Kryzhitskiy 1989, 157 (nos. 13-14)
14	E2	Kimovka	R	Kryzhitskiy 1989, 157 (no. 15)
15	E2	Luk'yanovka	R	Kryzhitskiy 1989, 157 (no. 20)
16	E2	Nechayannoye	R	Kryzhitskiy 1989, 157 (nos. 17-19)
17	E2	Mefodiyevka	R	Kryzhitskiy 1989, 157 (no. 21)
18	E2	Turchino	R	Kryzhitskiy 1989, 157 (nos. 22-23)
19	E2	Izhetskoye	ACHR	Kryzhitskiy 1989, 21 (no. 10), 98 (nos. 12-13), 157 (nos. 26-27)
20	E2	Kaborga	ACHRL	Waşowicz 1975, 149 (no. 60); Kryzhitskiy 1989, 21 (nos. 12-13), 157 (no. 28)
21	E2	Bol'shaya Chernomorka	ACHR	Kryzhitskiy 1989, 21 (nos. 11, 14-15), 98 (nos. 18-21); Kacharava 1991, 59, 66
22	E2	Malaya Chernomorka	CH	Kryzhitskiy 1989, 21 (nos. 16-18), 98 (nos. 22-24)
23	E2	Ochakov	ACHR	Waşowicz 1975, 149 (no. 57); Kryzhitskiy 1989, 21 (no. 19); Kacharava 1991, 12, 184-85
24	E2	Ochakovskoye	R	Kryzhitskiy 1989, 157 (no. 29)
25	E2	Kutsurub	ACH	Waşowicz 1975, 149 (no. 56); Kryzhitskiy 1989, 21 (nos. 20-21); Treister 1993, 537
26	E2	Pokrovka	A	Kryzhitskiy 1989, 21 (no. 22)
27	E2	Ivanovka	ACHR	Waşowicz 1975, 148 (no. 55); Kryzhitskiy 1989, 21 (no. 23), 98 (no. 29)
28	E2	Yaselka	CH	Kryzhitskiy 1989, 98 (nos. 30-33)
29	E2	Dmitryevka	AR	Waşowicz 1975, 150 (no. 64); Kryzhitskiy 1989, 21 (no. 24)
30	E2	Chekhutovo	CH	Kryzhitskiy 1989, 98 (no. 34)
31	E2	Petukhovka, Adzhigol', Solonchaki	ACHRL	Waşowicz 1975, 147 (no. 49); Kryzhitskiy 1989, 21 (no. 25); Kacharava 1991, 12-13
32	E2	Adzhigol' Mys	CH	Kryzhitskiy 1989, 98 (no. 36)
33	E2	Adzhigol'skaya Kosa, Adzhigol' I	CHR	Kryzhitskiy 1989, 98 (no. 44-45)
34	E2	Dneprovskoye, Sary Kamysli	ACHR	Waşowicz 1975, 146-47 (nos. 45-48); Kryzhitskiy 1989, 21 (no. 38), 157 (no. 36)
35	E2	Zakisova Balka	ACH	Waşowicz 1975, 146 (no. 43); Kryzhitskiy 1989, 21 (no. 39), 98 (nos. 49-50)
36	E2	Bezmyannaya Balka	R	Waşowicz 1975, 146 (no. 42); Kryzhitskiy 1989, 157 (no. 37)
37	E2	Shirokaya Balka I	ACHR	Waşowicz 1975, 145 (no. 41); Rusyayeva 1986
38	E2	Parutino I	CH	Kryzhitskiy 1989, 98 (no. 53)
39	E2	Voloshskaya Kosa	CHR	Waşowicz 1975, 145 (no. 38); Kryzhitskiy 1989, 98 (nos. 54-67)
40	E2	Chertovatoye	ACHR	Waşowicz 1975, 144-45 (no. 37); Kryzhitskiy 1989, 21 (nos. 41-46), 98 (nos. 68-77), 157 (nos. 40-41)
41	E2	Katelino	ACHR	Waşowicz 1975, 144 (no. 36); Kryzhitskiy 1989, 21 (nos. 47-50), 98 (nos. 78-80), 157 (no. 42)
42	E2	Kozyrka, Malaya Dereklaya	ACHR	Waşowicz 1975, 144 (nos. 33-34); Burakov 1976; Kryzhitskiy 1989, 21 (nos. 51-68), 98 (nos. 81-84), 157 (no. 43)
43	E2	Staraya Bogdanovka, Bol'shaya Dereklaya	ACHR	Waşowicz 1975, 144 (no. 31); Kryzhitskiy 1989, 21 (nos. 69-77), 98 (nos. 85-86), 157 (no. 44); Treister 1993, 537

No.	Grid	Location	Period	References
44	E2	Novaya Bogdanovka	ACH	Kryzhitskiy 1989, 21 (nos. 78-80), 98 (nos. 87-90)
45	E2	Malaya Korenikha	ACHR	Waşowicz 1975, 143 (no. 28); Kryzhitskiy 1989, 21 (no. 82), 98 (no. 92)
46	E2	Didova Khata, Mayaki	ACHR	Waşowicz 1975, 143 (no. 27); Kryzhitskiy 1989, 21 (no. 83); Kacharava 1991, 165-66
47	E2	Shmal'kova Krinitisa	CH	Kryzhitskiy 1989, 98 (no. 97)
48	E2	Popova Balka	ACHR	Kryzhitskiy 1989, 21 (no. 87), 98 (no. 101)
49	E2	Nikolayev	A?CHR	Waşowicz 1975, 142 (no. 23); Kryzhitskiy 1989, 21 (nos. 88-92), 98 (nos. 102-107); Kacharava 1991, 171-73
50	F2	Shirokaya Balka II	AC	Kryzhitskiy 1989, 21 (no. 93), 98 (no. 108)
51	F2	Siversov Mayak	ACHR	Waşowicz 1975, 142 (no. 21); Kryzhitskiy 1989, 21 (no. 94), 98 (no. 109)
52	F2	Oktyabr'skoye, Bogoyavlensk, Vitovka	CH	Waşowicz 1975, 142 (no. 20); Kryzhitskiy 1989, 98 (nos. 110-15)
53	E2	Galitsinovka	CHR	Kryzhitskiy 1989, 98 (nos. 116-17)
54	E2	Leskhoz	HR	Waşowicz 1975, 141 (no. 18); Kryzhitskiy 1989, 157 (no. 52)
55	E2	Fedorovka	CH	Kryzhitskiy 1989, 98 (no. 118)
56	E2	Limany	ACH	Waşowicz 1975, 141 (no. 17); Kryzhitskiy 1989, 21 (nos. 95-98), 98 (nos. 119-23)
57	E2	Luparevo, Yefimovka	ACH CH	Waşowicz 1975, 141 (nos. 13-14); Vinogradov 1986; Kryzhitskiy 1989, 21 (nos. 99-100)
58	E2	Semenov Rog	ACHR	Waşowicz 1975, 141 (no. 12); Kryzhitskiy 1989, 21 (no. 101), 98 (no. 127)
59	E2	Khablov Khutor	CHR	Waşowicz 1975, 140 (no. 11); Kryzhitskiy 1989, 98 (no. 128), 157 (no. 54)
60	E2	Pavlyutina Balka	CH	Kryzhitskiy 1989, 98 (no. 129)
61	F2	Skel'ka	ACHR	Waşowicz 1975, 140 (no. 9); Kryzhitskiy 1989, 21 (no. 102)
62	E2	Geroyskoye	CHR	Kryzhitskiy 1989, 98 (no. 148), 157 (no. 62)
63	F2	Ivanovka 9	CH	Kryzhitskiy 1989, 98 (no. 150)
64	F2	Ivanovka 5	CH	Kryzhitskiy 1989, 98 (no. 151)
65	F2	Ivanovka 10	CH	Kryzhitskiy 1989, 98 (no. 152)
66	F3	Mar'ino	CH	Saprykin 1986, 141 (no. 24)
67	F3	Akchi-Saray	CH	Saprykin 1986, 141 (no. 23)
68	F3	Tarpanchi Zapadnoye	CH	Saprykin 1986, 141 (no. 22)
69	F3	Tarpanchi	CH	Saprykin 1986, 141 (no. 21)
70	F3	Tarpanchi Vostochnoye	CH	Saprykin 1986, 141 (no. 20)
71	F3	Okunevka	CH	Saprykin 1986, 141 (no. 19)
72	F3	Lazurnoye	CH	Saprykin 1986, 141 (no. 18)
73	F3	Kul'chukskoye	CHR	Saprykin 1986, 141 (no. 17); Kacharava 1991, 250-51; Hind 1992, 97
74	F3	Belyaus	HR	Saprykin 1986, 141 (no. 15); Kacharava 1991, 129-30
75	F3	Belyaus Vostochnoye	CH	Saprykin 1986, 141 (no. 16)
76	F3	Zapadno-Donuzlavskoye	CH	Saprykin 1986, 141 (no. 14)
77	G3	Yuzhno-Donuzlavskoye I	CH	Saprykin 1986, 141 (no. 12)
78	G3	Yuzhno-Donuzlavskoye	CH	Saprykin 1986, 141 (no. 13)
79	G3	Airchi	CH	Saprykin 1986, 141 (no. 11)
80	G3	Beregovoye	CH	Koshelenko 1984, 73-75 (nos. 264-66); Saprykin 1986, 141 (no. 10)
81	G3	Murzachok	CH	Saprykin 1986, 141 (no. 9)
82	G3	Terekly-Konrat	CH	Saprykin 1986, 141 (no. 8)
83	G3	Peshchanka	CH	Popova 1996, 64-65

No.	Grid	Location	Period	References
84	G3	Mayak	CH	Saprykin 1986, 141 (no. 7)
85	G3	Chaika	CHR	Hind 1983, 83; Saprykin 1986, 141 (no. 6); Kacharava 1991, 246
86	G3	Kara-Tobe I	CH	Saprykin 1986, 141 (no. 4)
87	G3	Kara-Tobe	HR	Saprykin 1986, 141 (no. 5); Vnukov 1990; Kacharava 1991, 93
88	G3	Garshino	C?H	Saprykin 1986, 141 (no. 3)
89	F3	Yarylgachskoye	CH	Saprykin 1986, 141 (no. 37)
90	H4	Zales'ye	HR	Zubar' 1994, 115 (no. 5)
91	H4	Tash-Dzhargan	HR	Zubar' 1994, 115 (no. 6)
92	H4	Zmeinoye	HR	Zubar' 1994, 115 (no. 7)
93	H4	Sably	HR	Zubar' 1994, 115 (no. 8)
94	H4	Gora Dolgaya	HR	Zubar' 1994, 115 (no. 9)
95	H4	Al'minskoye	HR	Zubar' 1994, 115 (no. 10)
96	G4	Zayach'ye	HR	Zubar' 1994, 115 (no. 12)
97	G4	Gora Chabovskovo	HR	Zubar' 1994, 115 (no. 13)
98	G4	Alma-Kermen	R	Kazanski 1991, 494; Zubar' 1994, 115 (no. 14)
99	H4	Karagach	HR	Zubar' 1994, 115 (no. 15)
100	G4	Balta-Chokrak	HR	Zubar' 1994, 115 (no. 16)
101	G4	Bakla, Skalistoye	RL	Kazanski 1991, 493 (no. 12)
102	G4	Mangup-Kale	RL	Vinogradov 1994, 151-60; Kazanski 1991, 493 (no. 8)
103	G4	Tash-Tepe	RL	Kazanski 1991, 493 (no. 9)
104	G4	Eski-Kermen	RL	Vasiliev 1936, 51-52
105	G4	Khomutova Balka	HRL	Nikolayenko 1988, 204-206
106	G4	Sapun Gora	HR	Nikolayenko 1988, 204, 206; Treister 1993, 543
145	I3	Batal'noye	CH	Koshelenko 1984, 73-75 (no. 242)
146	I3	Batal'noye 2	CH	Koshelenko 1984, 73-75 (no. 243)
147	I3	Semisotka	CH	Koshelenko 1984, 73 (no. 244)
148	I3	Naberezhnaya	CHR	Koshelenko 1984, 73-75 (nos. 245-46)
149	I3	Frontovoye	HR	Koshelenko 1984, 75 (nos. 247-49)
150	I3	Yachmennaya	HR	Koshelenko 1984, 73-75 (nos. 252-54)
151	I3	Vladislavovka	HR	Koshelenko 1984, 73-75 (nos. 255-56)
152	I3	Tambovka	HR	Koshelenko 1984, 73-75 (nos. 259-62)
153	I3	Blyzhneye Boyevoye	HR	Koshelenko 1984, 73-75 (no. 268-70)
165	I3	Beregovoye		See Map 87 inset inset
166	I3	Dal'niye Kamyshi	HR	See Map 87 inset inset
167	I3	Kholmogorka	HR	See Map 87 inset inset

Unlocated Toponyms

Name	Period	Modern Name / Location	Reference
Achaion Limen	HR	Ochakov?	Kacharava 1991, 36-37
Acisalitae	HR	Crimea	Pliny, <i>NH</i> 4.85
Akra	HR	N Sivash area?	Ptol. 3.5.4
Alektoros Phrourion/ Alecturum	R	Ochakov or Petukhovka II	Kacharava 1991, 12-13
Alsos Hekates Pr.	HR	W Hypanis	Ptol. 3.5.2
Amadoka fl.	HR	upper Dnieper	Ptol. 3.5.14
*Arbinatai?	A	chora of Olbia?	Kryzhitskiy 1989, 84; Kacharava 1991, 32-33
Argoda	HR	eastern Crimea?	Kacharava 1991, 33
Argos Oresti(k)on	L	Scythia	Kacharava 1991, 33
Assa	L	Scythia	Kacharava 1991, 35
Assyrani	HR	Crimea	Pliny, <i>NH</i> 4.85
Azagarion fl.	HR	upper Dnieper	Ptol. 3.5.14
Bion	HR	Staryy Krym?	Kacharava 1991, 46
Boauleia	L	Scythia	Kacharava 1991, 46

Name	Period	Modern Name / Location	Reference
Caliordi	HR	Crimea	Pliny, <i>NH</i> 4.85
Chabon	HR	SW Crimea?	Kacharava 1991, 299; Hind 1992, 97
Chalkis	L	Scythia	Kacharava 1991, 300
Characeni	HR	Crimea	Pliny, <i>NH</i> 4.85
Dandake	HR	SW Crimea	Kacharava 1991, 82; Hind 1992, 96
Eiones	HR	Kerch' region?	PPE 20.1
Eraktion	HR	by R. Dniester	Ptol. 3.5.15
Erkabon	HR	Perekop area	Kacharava 1991, 328
Eupatoria	HRL	Inkerman?	Kacharava 1991, 93-95
Exampaios	C	Mertvy Vody?	Corcella 1993, 274-75
Harpis	HR	Danube delta	Kacharava 1991, 23; 65-66
Hermonaktos Kome	HR	Dniester estuary	Hind 1983, 78; Kacharava 1991, 71-73
Hybristes fl.	C		RE Suppl. 9 Pontos Euxinos, col. 925
Ialessos	L	Scythia	Kacharava 1991, 98
Kankytos	H	near Olbia?	Kacharava 1991, 120
Karrodounon	HR	by R. Dniester	Ptol. 3.5.15
Kardesos	CHRL	Scythia	RE Suppl. 9 Pontos Euxinos, col. 1041; Kacharava 1991, 121
Klepidaua	HR	by R. Dniester	Ptol. 3.5.15
Ktenous Limen	HR	near Chersonesos	Kacharava 1991, 149
Leianon	HR	N Sivash area?	Kacharava 1991, 153
Leinon	HR	lower Dnieper	Ptol. 3.5.15
Maitonion	HR	by R. Dniester	Ptol. 3.5.15
Manthion Pedion			Jones 1994
Metropolis	HRL	by R. Dnieper	Kacharava 1991, 158
Napis	HR	W Crimea?	Kacharava 1991, 164
Nauaron	HR	Perekop area	Kacharava 1991, 163
Niosson	HR	by lower Dnieper	Ptol. 3.5.15
O(r)dessos	HR	Ochakov?	Agbunov 1981; Kacharava 1991, 184-87
Orgocyni	R	Crimea	Pliny, <i>NH</i> 4.85
Ouibantaurion	HR	by R. Dniester	Ptol. 3.5.15
Palakion/ Placia	HR	SW Crimea	Hind 1983, 83; Kacharava 1991, 207-208; Hind 1992, 97
Parosta	HR	Crimea	Kacharava 1991, 216
Pasiakes fl.	HR	Perekop area	Ptol. 3.5.4
Pasyris	HR	Perekop area	Kacharava 1991, 217
Physke	HR		Agbunov 1981; Kacharava 1991, 297-98
Pyrgos Neoptoleμου/ Ta Neoptoleμου	HRL	Zatoka?	Agbunov 1987; Kacharava 1991, 165-68
Sarbakon	HR	by lower Dnieper	Ptol. 3.5.15
Saron	HR	by R. Dnieper	Ptol. 3.5.14
Satarche	HR	Crimea	Kacharava 1991, 232
Serimon	HR	by R. Dnieper	Ptol. 3.5.14
Stactari		Crimea	Pliny, <i>NH</i> 4.85
Tabana	HRL	Crimea	Kacharava 1991, 248
Tamasidaua	HR	by R. Alkaliya	Ptol. 3.10.8

Name	Period	Modern Name / Location	Reference
Tamyrake	HRL	NW Crimea	Kacharava 1991, 249-51; Hind 1992, 96
Tarona	HR	Crimea	Kacharava 1991, 255
Tazos	HR	Crimea	Kacharava 1991, 249
Teos	L	Scythia	Kacharava 1991, 256
Torokka	HR	N Sivash area?	Ptol. 3.5.13; Kacharava 1991, 281
Trakana	HR	Perekop area	Kacharava 1991, 281
Trapezous	HR	Ilichovka?	Strabo 7.4.3
Zargidaua	HR	by R. Alkaliya	Ptol. 3.10.8

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