**Catalogue of ancient ports & harbours in the Black Sea area**

**Catalogue des abris & ports antiques en Mer Noire**

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**Résumé -** Un ‘havre’ est un endroit où les bateaux peuvent trouver un abri. Dans le concept d’abri il faut inclure les mouillages, les plages sur lesquelles les bateaux peuvent être halés, et les ports avec des infrastructures. Même si les marins de l’antiquité pouvaient parcourir 50 à 100 miles nautiques par jour, il était important de connaitre les abris sûrs dans un rayon de deux à trois heures de navigation ; c’est-à-dire environ 10 miles nautiques. Un total d’au moins 300 abris était donc nécessaire pour une navigation sûre autour de la Mer Noire et de la Mer d’Azov. Cet article présente une liste et une carte de 366 abris et ports antiques dans la région de la Mer Noire et de la Mer d’Azov, et conclut que des ports antiques sont sans doute encore à découvrir en Ukraine et en Russie méridionale.

**Abstract** - A ‘harbour’ is a place where ships can seek shelter. The concept of ‘shelter’ has to include anchorages, landing places on beaches, and ports with infrastructures. Even though ancient seafarers could sail 50 to 100 nautical miles in a day, it was important to know where they could find safe shelter within two to three hours of navigation, i.e. only approx. 10 miles. For safe sailing, a total of at least 300 shelters was hence required around the Black Sea and Azov Sea. This paper presents a list and map of 366 known ancient ports and harbours in the Black Sea and Azov Sea, and concludes that ancient ports are probably still to be found in Ukraine and southern Russia.

**METHODOLOGY**

A ‘harbour’ is a place where ships can seek shelter. The concept of ‘shelter’ has to include anchorages, landing places on beaches, and ports including structures such as access channels, breakwaters, jetties, landing stages, quays, warehouses for storing of commodities and equipment, shipsheds and slipways. Shelters of interest include all places which may have been used by seafarers sailing over long distances. This means that shelters the likes of local fishermen, who may have landed their boats on the beach in front of their homes, are of less interest. In another limitation, only maritime harbours and some river ports that could be reached by deep-sea ships are considered.

This paper presents work done to collect, identify and locate ancient harbours and ports. It is based on a study of existing documentation, i.e. on the writings of 66 ancient authors and a few modern authors, incl. the Barrington Atlas.   
The ancient authors are usually historians, philosophers or poets, but for this work the geographers retained most of our attention: Strabo, Pausanias, Pliny the Elder, Ptolemy, Avienus, Mela and others, some anonymous, who tell about their journeys like ‘Antonine’, ‘Scylax’, ‘Scymnos’, Pythias, Hanno, Odysseus, Aeneas, Jason, Arrian in the Black Sea. In addition to ports mentioned by ancient authors, some ports have been included as mentioned by modern authors: Karl Lehmann-Hartleben (1923), Honor Frost (1963), David Blackman (1982 & 2014), Nic Flemming (1986), Talbert’s Barrington Atlas (2000), Getzel Cohen (1995 & 2006), Micha Tiverios (2008), Helen Dawson (2013) and some up to date web sites (<http://pleiades.stoa.org/> and <http://dare.ht.lu.se/>).

In a first stage, only ports were listed that are explicitly mentioned by each ancient author (portus, navale, statio). Cities where the presence of a port was known from other sources were not attributed to an author who mentions the city but does not mention the port. This limitation was certainly questionable as one cannot imagine coastal cities/villages without at least a minimal shelter for boats. It was therefore decided to include all sites mentioned by the authors of the Periplus such as Stadiasmus, Antonine, Arrian and Marcian who were sailing ships and for whom one might consider that all places they mention are harbours. Furthermore, it was considered that all coastal sites mentioned in the Barrington Atlas must have had a shelter and they were included too.

**RESULTS**

The result of this work is a list of around 4000 ancient ports and shelters that are scattered mainly around the Mediterranean Sea, but also in the North Sea, in the Atlantic Ocean, in the Red Sea and the Gulf and in the Indian Ocean.

Fig. 1 shows 366 known ancient ports and harbours in the Black Sea area. Out of this number, 163 places are mentioned as harbours by ancient authors. A detailed list of all of them is included hereafter in a clockwise rotation starting and ending at the Northern access to the Bosphorus, with their latitude and longitude coordinates.

**ANALYSIS**

Ancient seafarers often used beaches to land their ships on. It may be noted that a 37 m military trireme with 170 ‘strong’ oarsmen could be hauled on the beach if the slope was mild enough, say no more than 1:7 (about 15%) which was also a maximum for slipways (Blackman, 2014). This requires sand of a certain grain size (Komar, 1998): the very fine sands (or silts) found in large deltas yield a very flat slope which keeps ships far from land. Conversely, a shingle beach has a steep slope that is dangerous for landing ships on.

During military expeditions, 200 people had to be fed on board triremes. It was impossible for masters to fill their ships with tons of food. In the absence of ports, ship pilots had to find places with a degree of shelter where drinking water could be found, and river estuaries could provide both. The Stadiasmus is an example of a collection of such knowledge, and can be considered as the ancestor of medieval portolans and modern nautical instructions.

Commercial ships obviously preferred sheltered creeks with clear landmarks on shore (such as a typical mountain). Many shelters were needed, as seafarers often followed the coast, using safe shelters to stop overnight and escape bad weather. Even though they could sail 50 to 100 nautical miles in a day, it was important to know where they could find safe shelter within two to three hours of navigation; i.e. only approx. 10 miles. With the length of the Black Sea and Azov Sea coast being approx. 5800 km (acc. to Black Sea NGO Network, [bsnn.org/black\_sea.html](file:///D:\Arthur\Archéologie\Archeo\Etudes\BlackSeaPorts\bsnn.org\black_sea.html)) i.e. a little over 3 000 nautical miles, as an order of magnitude, they would hence have required a total of at least 300 shelters around the Black Sea and Azov Sea, which is fairly close to the 366 places found so far.

Many of these sheltered creeks still exist today, but large changes have occurred in some places:

* crustal movements which explain why some ancient ports are buried under modern ports;
* a eustatic sea level rise of 0.30 to 0.50 m over the past 2000 years (see Nic Flemming, 1986 and Morhange, 2014);
* seismic events inducing tsunamis which devastated adjacent coastal areas;
* river estuaries usually tend to silt up, as rivers carry most of the materials that create beaches, and this explains why some ancient ports are now so far from the sea (e.g. Danube and Don deltas) or have simply filled up with sand (Anthony, 2014);
* in some large cities the ‘old port’ has been reclaimed to create a new waterfront area (e.g. Varna, Mangalia, Constanza);
* beaches are subject to sedimentation and erosion by wave action, and the latter explains why some ancient ports were lost to the sea.

It should be noted also that ports mentioned here have been collected from texts of various dates ranging from 500 BC (except for Homer) and 500 AD (with a few exceptions), that is 1000 years. The various authors have not seen the same things ... and some authors have just repeated what others wrote before them!

**CONCLUSION**

Even though the total number of shelters is fairly close to a safe number of one every 10 nautical miles, it can be seen from Fig. 1 that many ancient harbours probably still remain to be found on the northern coasts of the Black Sea and in the Azov Sea, in Ukraine and in Russia.   
Some candidates might be suggested as they seem to provide some shelter from a nautical point of view, to provide fresh water, and to be at a reasonable distance from each other and other known ancient ports:

* from Crimea to Marioupol: Melitopol, Prymorsk, Berdiansk, Yalta (Belosarayskaya), although it is acknowledged that this sandy coast with large sediment transport (littoral drift) does not provide easy access for shipping,
* from Novorossiysk to Sokhumi: Krinitsa, Dzhubga, Olginka, Ashe, Lazarevskoye, Golovinka, Gudauta (R. Hypsta),
* On the main rivers: Dniepr, Don.

Some of these candidates may be recognised by some expert as ancient harbours already known to him and the present author will be delighted to hear about that. However, some of them might require more attention from historians and archaeologists to find out if they were indeed ancient settlements.

The Catalogue of Ancient Ports & Harbours tries to be exhaustive, but is most probably not. This list must be seen as an uncompleted collection and the geolocation is sometimes a bit speculative. This work needs to be corrected and completed. So, do not hesitate to contact the author for any suggestions.

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PLINY the ELDER (23 – 79 AD), *Natural History*

ARRIAN (95 – 175 AD), *Periplus Ponti Euxini*

MARCIAN of HERACLEA (5th century AD), *Periplus Maris Exteri*

***Entrées d’index***

Mot-clés: havre antique, abri antique, port antique

Keywords: ancient harbour, ancient shelter, ancient port

Geographique : Black Sea, Azov Sea, Marmara Sea, Bosphorus

***Notes de l’auteur***

I am very grateful to the reviewers for their help in improving this paper.

***Droits d’auteur***

Tous droits réservés

***A propos de l’auteur***

Arthur de Graauw is the director of ARTELIA’s Port Revel Shiphandling training centre. He has compiled a list of ancient ports and harbours with latitude/longitude positioning, based on 66 ancient authors and some modern authors. This Catalogue of Ancient Ports contains around 4000 places. It can be viewed on:   
[www.AncientPortsAntiques.com](http://www.AncientPortsAntiques.com) , and is bound to need further adjustment as some unknowns remain, such as ports that have disappeared and cities yet to be located precisely.

**Figure 1 – Ancient ports and harbours in the Black Sea area**



| **Ancient name** | **Modern name** | **Country** | **Latitude (°)** | **Longitude (°)** |
| --- | --- | --- | --- | --- |
| Philia, Phrygia, port of Delcus, Derkos, Derkoi | Durusu near Karaburun | Turkey | 41.348057 | 28.692336 |
| Scylla | Podima, near Yaliköy | Turkey | 41.4871 | 28.3012 |
| Salmydessus, Salmydesse, Medea, Midya | Kiyiköy | Turkey | 41.631992 | 28.0986 |
| Thynias, Buaticum | Igneada | Turkey | 41.8875 | 28.026 |
| Aulaeum, Aulaetichus, Avleuteichos, Agathopolis | Ahtopol | Bulgaria | 42.099143 | 27.951729 |
|  | outlet of R Karaagasch | Bulgaria | 42.224906 | 27.777205 |
| Perinthos, Peronticum | Kiten, at cape Urdoviza | Bulgaria | 42.232857 | 27.780019 |
| Primorsko | outlet of R Djavolska | Bulgaria | 42.262705 | 27.755799 |
| Tera | Roman naval base in the bay of Paraskeva, near cape Maslen Nos? | Bulgaria | 42.321527 | 27.792529 |
| Chersonnesus, Chersonese, Gersonosus, Tonzos | outlet of R Ropotamo, 10 km South of Apollonia | Bulgaria | 42.328197 | 27.754538 |
| Apollonia Pontica, with ancient lighthouse on isle of St Yvan | Sozopol | Bulgaria | 42.424361 | 27.692383 |
| Antheia | Atiya | Bulgaria | 42.448579 | 27.573028 |
|  | bay of Cenguene Skelja | Bulgaria | 42.449138 | 27.533746 |
|  | Tvardica on the South bank of Lake Mandra | Bulgaria | 42.414687 | 27.449732 |
|  | industrial area Kostadin Tchechma | Bulgaria | 42.38194 | 27.322793 |
| Deultum, Develton | Debelt on on the SW bank of Lake Mandra | Bulgaria | 42.3873 | 27.2837 |
|  | between the villages of Konstantinovo and Chernivrah | Bulgaria | 42.422256 | 27.335246 |
|  | Burgas, Pobeda, Sladkite Kladentsi | Bulgaria | 42.473929 | 27.449466 |
|  | between the airport and Lake Atanasovo | Bulgaria | 42.556161 | 27.493903 |
| Anchialos | Pomorie | Bulgaria | 42.553 | 27.638 |
| Mesembria, Mesembrie, Menebria | Nessebar | Bulgaria | 42.658426 | 27.727654 |
| Mt Haemus, Aristaeum | Cape Emona | Bulgaria | 42.689078 | 27.904284 |
| Naulochos, Templum Iovis? | near Obzor | Bulgaria | 42.82232 | 27.890664 |
|  | Shkorpilovtsi, at the outlet of R Kamchia | Bulgaria | 42.9644 | 27.9045 |
| Erite, Ereta | near Bliznatsi | Bulgaria | 43.037 | 27.893 |
| port of Karabizia? | near cape Galata | Bulgaria | 43.170592 | 27.942562 |
|  | Karantinata, Lazuren Bryag | Bulgaria | 43.174293 | 27.919003 |
| Odessus | Varna, ancient port unlocated near modern railway station | Bulgaria | 43.19825 | 27.91362 |
|  | Kastritsi | Bulgaria | 43.21976 | 28.0029 |
| Gerania | Kranevo | Bulgaria | 43.354056 | 28.084006 |
| Krounoi, Crunos, Dionysopolis, Matiopolis | Balchik | Bulgaria | 43.403915 | 28.164406 |
| Bizone | near Kavarna | Bulgaria | 43.405532 | 28.344595 |
| Tirizis | Cape Kaliakra | Bulgaria | 43.364 | 28.4658 |
| Rousalka | Rousalka | Bulgaria | 43.413042 | 28.517872 |
| Yaila | Yaila | Bulgaria | 43.438001 | 28.550458 |
| Karon Limen, Port Carus | near Shabla | Bulgaria | 43.538305 | 28.610005 |
| Callatis, Kallatis, Pangalia | Mangalia | Romania | 43.811929 | 28.583472 |
|  | Limanu | Romania | 43.803562 | 28.535589 |
|  | Albesti | Romania | 43.796961 | 28.410275 |
| Tomis, Tomes | Constantza | Romania | 44.172187 | 28.662766 |
| Vicus Turris Mucaporis | Anadolchioi | Romania | 44.19333 | 28.63506 |
| Vicus Scaptia | Palazu Mare | Romania | 44.22691 | 28.59833 |
|  | Ovidiu | Romania | 44.2565 | 28.5717 |
|  | Capidava | Romania | 44.493695 | 28.09031 |
| Carsium | Harsova | Romania | 44.681627 | 27.952134 |
|  | Piua Pietrei | Romania | 44.72711 | 27.8365 |
| Beroe | Piatra Frecatei | Romania | 44.895372 | 28.139512 |
|  | Peceneaga | Romania |  |  |
|  | Piatra Rosie | Romania | 45.11789 | 28.19972 |
| Vicus Celeris | Vadu | Romania | 44.44896 | 28.73504 |
| Histria, Istros, Ister | Istria | Romania | 44.548725 | 28.775075 |
| Insula Lupilor | Sinoe | Romania | 44.62329 | 28.802835 |
| Vicus Buteridavensis | Sariurt | Romania | 44.6888 | 28.70366 |
| Argamu, Orgame | Sase Martie, Cape Dolosman between Lake Golovita and Lake Razim | Romania | 44.756104 | 28.941423 |
|  | Enisala | Romania | 44.88375 | 28.8351 |
|  | Babadag | Romania | 44.9112 | 28.7444 |
|  | Satu Nou | Romania | 44.948107 | 28.687121 |
|  | Sarichoi | Romania | 44.947851 | 28.861707 |
| Aegyssos | Tulcea | Romania | 45.186426 | 28.8148 |
| Noviodunum | Isaccea | Romania | 45.270489 | 28.491626 |
|  | Rachelu | Romania | 45.28665 | 28.32573 |
| Dinogetia | Gorvan | Romania | 45.378884 | 28.138792 |
| Barbosi | Galati | Romania | 45.384993 | 28.025101 |
| Arrubium | Macin | Romania | 45.239231 | 28.127894 |
| Troesmis | near Turcoaia | Romania | 45.145451 | 28.186283 |
| Halmyris, Salmorus | near Murighiol | Romania | 45.024757 | 29.198041 |
| Ad Stoma | Sfînu Gheorghe | Romania | 44.99447 | 29.16058 |
| Gratiana? | near Murighiol | Romania | 45.03664 | 29.16174 |
| Salsovia | 2.5 km NW of Mahmudia | Romania | 45.101 | 29.0675 |
|  | Fortificatia Getica, at Cetajuie, 1.5 km W of Salsovia | Romania | 45.1026 | 29.048 |
| Thalamonium | Nufaru | Romania | 45.15 | 28.91667 |
| R Ister navigable on a great distance, with many river ports | R Danube, Donau | Romania | 45.108927 | 29.905618 |
|  | Ismail | Ukraine | 45.326236 | 28.831523 |
| Aliobrix | Orlivka | Ukraine | 45.31965 | 28.411852 |
| Achille's island, Leuke island, White island, Isle of Serpents | Isle of Biel in front of Sulina, in the delta of R Danube | Ukraine | 45.254677 | 30.203218 |
| Arpis Civitas, Harpis? | Denisoye near Desantne | Ukraine | 45.570198 | 29.612769 |
| Antiphili Turris, Ta Antipilou | near Trapivka, near Tartarbournary | Ukraine | 45.78751 | 29.682246 |
|  | Zheltyy Yar | Ukraine | 45.88703 | 29.94367 |
|  | Kremniskoy, near Lebedivka | Ukraine | 45.822041 | 30.156114 |
| Aepolium | Shabalata | Ukraine | 45.843287 | 30.201405 |
|  | Belen’koye | Ukraine | 46.049 | 30.3736 |
| Neoptolemi Turris, Hermonactocome | Zatoka? | Ukraine | 46.06002 | 30.467095 |
|  | Shabo | Ukraine | 46.137906 | 30.390811 |
| Tyras, Ophiussa, Asprokastron | Bilhorod-Dnistrovskyï | Ukraine | 46.200632 | 30.348578 |
|  | Mologa | Ukraine | 46.21609 | 30.23122 |
|  | Pivdennoye | Ukraine | 46.27039 | 30.14335 |
|  | Semenovka | Ukraine | 46.27891 | 30.12083 |
|  | Kosovka | Ukraine | 46.34611 | 30.077 |
|  | Ovidiopol | Ukraine | 46.24426 | 30.44546 |
|  | Nadlimanskoye | Ukraine | 46.37278 | 30.33335 |
|  | Belyayevka | Ukraine | 46.47289 | 30.21464 |
| Niconia, Nikonion | Roksolanskoye | Ukraine | 46.21572 | 30.45485 |
|  | Palanka | Ukraine | 46.18376 | 30.436926 |
|  | Karolino-Bugaz | Ukraine | 46.141443 | 30.501262 |
|  | Ilyichevsk | Ukraine | 46.341212 | 30.644508 |
| Isiakon Limen, Isiacorum Portus, port of the Isiacians | Odessa | Ukraine | 46.51 | 30.75 |
| Istrianon Limen, port of the Istrianians, Istrians | Odessa | Ukraine | 46.573 | 30.74 |
|  | Zhevakova | Ukraine | 46.551962 | 30.802134 |
| Scopuli | near Nova Dofinovka | Ukraine | 46.566853 | 30.913587 |
|  | Kosharskoye | Ukraine | 46.666 | 31.155 |
|  | Koblevo | Ukraine | 46.661 | 31.208 |
| Borysthenes insula | isle of Berezan in front of the port of Rybakivka | Ukraine | 46.598556 | 31.412078 |
| Ordesus, Ordessos | Ochakov? | Ukraine | 46.605 | 31.55 |
|  | Pokrovskoye | Ukraine | 46.536390 | 31.611640 |
| Olbia, port of the Borysthenits, on R Hypanis | Parutyne, on R Bug | Ukraine | 46.688537 | 31.904405 |
|  | Radsad | Ukraine | 46.901 | 31.987 |
|  | Bublikova Balka | Ukraine | 46.627000 | 32.020000 |
|  | Pugach | Ukraine | 46.612800 | 32.063700 |
|  | Aleksandrovka | Ukraine | 46.609700 | 32.103500 |
| Hippolaou Akra, at the mouth of R Borysthenes | Stanislavskoye, at the mouth of R Dniepr | Ukraine | 46.556039 | 32.147822 |
|  | Rybal'chye | Ukraine | 46.4809 | 32.2345 |
|  | Yagorlytskoye | Ukraine | 46.4353 | 32.03 |
| port of the Acheans, Achille's course | in the gulf of Tendrivs’ka | Ukraine | 46.204966 | 31.852853 |
| Eones | near Zaliznyi? | Ukraine | 46.107588 | 32.282864 |
| Tamyrace | bay of Dzharylgach? | Ukraine | 46.068363 | 32.997453 |
| Karkine? | Kalanchak | Ukraine | 46.252800 | 33.294000 |
| Taphros | Perekop | Ukraine | 46.161620 | 33.692720 |
|  | Masliny, Sjeverne | Ukraine | 45.695017 | 33.042744 |
|  | Burnel | Ukraine | 45.679500 | 33.003700 |
|  | Groty | Ukraine | 45.662900 | 32.964900 |
|  | Mezhvodnoye | Ukraine | 45.580000 | 32.840000 |
|  | Dzharylgach | Ukraine | 45.578500 | 32.931400 |
| Panskoye | remains of an ancient settlement probably with a port | Ukraine | 45.552869 | 32.813667 |
| Kalos-Limen, Calos | near Chornomorsk in Crimea | Ukraine | 45.517630 | 32.714032 |
|  | Karmyshev bay, port of Abuzlar? | Ukraine | 45.492900 | 32.620200 |
|  | Kipchak bay, port of Kastel? | Ukraine | 45.4812 | 32.5914 |
|  | Great Castel bay, port of Dzhangul? | Ukraine | 45.457000 | 32.547500 |
|  | Ocheretay bay, port of Chorotay? | Ukraine | 45.407000 | 32.490000 |
|  | Karadzhinskoye near Olenivka | Ukraine | 45.383 | 32.523 |
|  | port of Oyrat and Dzhan-Baba? | Ukraine | 45.329 | 32.68 |
|  | Kuĺčuk, Kulchuk | Ukraine | 45.367043 | 32.863964 |
|  | Belyaus | Ukraine | 45.362281 | 32.905978 |
| Three ports between Kalos and Chersonesos | perhaps: Myrnyi? | Ukraine | 45.293838 | 32.957691 |
|  | Chaika, near Zaozerne | Ukraine | 45.164263 | 33.290377 |
| Three ports between Kalos and Chersonesos | perhaps: Kerkinitis near Eupatoria? | Ukraine | 45.1898 | 33.3865 |
|  | Kara-Tobe, near Pryberezhne | Ukraine | 45.139468 | 33.519253 |
| Three ports between Kalos and Chersonesos | perhaps: Dandace near Peschanoye? | Ukraine | 44.853668 | 33.567574 |
|  | Kachinskoye | Ukraine | 44.7757 | 33.535 |
|  | Bel'bekskoye | Ukraine | 44.6826 | 33.5454 |
| Bonus Portus, Bon Port, Good Port | Inkerman | Ukraine | 44.610233 | 33.596857 |
| Ctenus | Bay of Aktiar: Sebastopol | Ukraine | 44.61291 | 33.531048 |
| Eupatorion | unlocalized on the North or South side of the bay entrance | Ukraine | 44.622079 | 33.51877 |
| Chersonesos, Chersonnese, Heraclea peninsula | near Karantynna Bay, La Quarantaine | Ukraine | 44.610306 | 33.487901 |
| Palaia Chersonesos | South of the airport | Ukraine | 44.5647 | 33.4118 |
| Portus Symbolorum, port of the Symbols, Symbolon | Balaklava | Ukraine | 44.5024 | 33.598 |
| Kharax, Charax | near Haspra | Ukraine | 44.4317 | 34.13 |
| Lagyra | near Yalta | Ukraine | 44.4967 | 34.185 |
| Phrourion | near Hourzouf | Ukraine | 44.5488 | 34.3116 |
| Lampas | near Santa Barbara | Ukraine | 44.586 | 34.3585 |
| Aloustou Phrourion | near Alouchta | Ukraine | 44.673649 | 34.424744 |
| Skythotauron Limen, port of the Tauroscyths, Athenaeum | near Sudak | Ukraine | 44.83098 | 34.971394 |
| Theodosia, Theodosie, Caffa | Theodosia | Ukraine | 45.026756 | 35.40311 |
| Cazeca, Kazeka | near le Cape Chauda | Ukraine | 45.008242 | 35.832027 |
| Port Cimmerion, Cimmerium, Kimmerikon | Opuk | Ukraine | 45.027976 | 36.202315 |
| Kytai, Kitey | near Zavitne | Ukraine | 45.079236 | 36.428808 |
| Akra | near Naberezhnoe | Ukraine | 45.132641 | 36.427795 |
|  | Geroyevka | Ukraine | 45.21565 | 36.40682 |
| Nymphaion, Nymphaeum | about 13 km from Kerch, near Eltiguen memorial | Ukraine | 45.236682 | 36.417346 |
| Tyritake, Tiritaca | near Pryozerne industrial port | Ukraine | 45.27708 | 36.4072 |
| Pantikapaion, Panticapee | Kerch | Ukraine | 45.351 | 36.4685 |
| Myrmekion | Kerch Est | Ukraine | 45.3532 | 36.5214 |
| Parthenion | near Zukovka | Ukraine | 45.369 | 36.6156 |
| Porthmion, Porthmia | near Yurkine | Ukraine | 45.4265 | 36.5278 |
| Zenonos Chersonesos | Kurtortnoe, near Cape Zyuk | Ukraine | 45.476783 | 36.337184 |
|  | General'skoye Vostochnoye | Ukraine | 45.472 | 36.2126 |
|  | Salachik | Ukraine | 45.47364 | 36.18908 |
|  | Zolotoye Vostochnoye | Ukraine | 45.4538 | 36.1022 |
|  | Zolotoye | Ukraine | 45.43946 | 36.07205 |
| Heracleon | Afanas'yevka, near Schelkino, Mysove | Ukraine | 45.459174 | 35.843472 |
|  | Mysovoye | Ukraine | 45.43888 | 35.82588 |
|  | Semenovka | Ukraine | 45.3812 | 35.7607 |
| Kremnoi | Botiyevo? | Ukraine | 46.633 | 35.856 |
| Halieuma Theou | near Yalta UKR | Ukraine | 46.946 | 37.2565 |
| Hygreis | near Marioupol | Ukraine | 47.086601 | 37.637411 |
| Karoia | near Lakedemonovka | Russia | 47.12263 | 38.518345 |
|  | Taganrog | Russia | 47.2118 | 38.95 |
| Tanaïs, on R Tanais | near Nedvigovka on R Don | Russia | 47.268109 | 39.335434 |
|  | several places close to Sukho-Chaltyrskoye | Russia | 47.2443 | 39.49956 |
|  | Nizhne-Gnilovskoye | Russia | 47.187 | 39.627 |
|  | Temirnitskoye | Russia | 47.1948 | 39.6737 |
|  | Rostovskoye | Russia | 47.209 | 39.7 |
|  | Kizitirinskoye | Russia | 47.218 | 39.75 |
|  | Kobyakovo | Russia | 47.229 | 39.83 |
|  | Yelizavetovskoye Gorodishche | Russia | 47.159809 | 39.491058 |
|  | Kazachiy Yerik | Russia | 47.16083 | 39.44512 |
|  | Stanitsa Yelizavetovskaya | Russia | 47.12913 | 39.4705 |
|  | Podazovskoye | Russia | 47.10181 | 39.42866 |
|  | Vysochino | Russia |  |  |
| Paniardis | near Krugloye | Russia | 47.0277 | 39.2207 |
| Pataroue | near Glafirovka | Russia | 46.743056 | 38.417705 |
|  | Mertvyy Redant | Russia | 46.0007 | 38.1975 |
| Azara | near Sadki | Russia | 45.96 | 38.102 |
|  | Belikov | Russia | 45.51754 | 38.00175 |
|  | Krasnyy October, Red October | Russia | 45.194 | 37.666 |
| Labrita, Labrys | near Semibratneye Gorodishche, near Varenikovskaya | Russia | 45.1537 | 37.5629 |
|  | Strelka | Russia | 45.2089 | 37.286 |
|  | Golubitskoye Gorodishche | Russia | 45.334212 | 37.2783 |
|  | Starotitarovskaya | Russia | 45.21866 | 37.17477 |
| Tyrambe | Stanitsa Peresyp | Russia | 45.337622 | 37.211466 |
|  | Duboviy Mys | Russia | 45.28 | 37.123 |
|  | Kuchugury | Russia | 45.408398 | 36.970666 |
| Achillion | near Il'ich | Russia | 45.43942 | 36.769743 |
|  | Batareyka near Zaporozhskoye | Russia | 45.39 | 36.788 |
|  | Kamennaya near Zaporozhskoye | Russia | 45.357083 | 36.764766 |
| Patrasys | near Zaporozhskoye | Russia | 45.313152 | 36.85376 |
|  | Tatarskiy | Russia | 45.327 | 36.93 |
| Kepoi, Cepi | near Sennoy | Russia | 45.294983 | 36.982623 |
| Phanagoria | near Sennoy | Russia | 45.277 | 36.9659 |
| Hermonassa | Ataman | Russia | 45.21952 | 36.71422 |
| Korokondame | near Ataman | Russia | 45.213532 | 36.614144 |
|  | Bugaz | Russia | 45.1126 | 36.861 |
|  | Stanitsa Blagoveshchenskaya | Russia | 45.039794 | 37.085413 |
|  | Khutor Blagoveshchenskiy | Russia | 44.970273 | 37.239085 |
| Sindicos, Sindique, Gorgippia | Anapa | Russia | 44.896 | 37.31 |
|  | Sukko | Russia | 44.77 | 37.375 |
|  | Malyy Utrish | Russia | 44.708 | 37.453 |
|  | Dyurso | Russia | 44.6758 | 37.56 |
|  | Yuzhnaya Ozereyka | Russia | 44.666 | 37.639 |
|  | Myskhako | Russia | 44.654 | 37.765 |
| Bata, Bathai, Patous, Port Hieron | Novorossiysk | Russia | 44.723333 | 37.793801 |
|  | Kabardinka | Russia | 44.646 | 37.928 |
| Toricos, Pragrae, Pagres, Heptalou | Gelendjik | Russia | 44.571643 | 38.034439 |
| Palaia Achaia, Vetus Achaia, Ancienne Achaia | Arkhipo-Osipovka? | Russia | 44.349313 | 38.529342 |
| Vetus Lazica, Ancienne Lazique | Novomikhaylovskoye? | Russia | 44.233168 | 38.830548 |
| Nicopsis, shelter East of a promontory not named by Arrien? | Tuapse | Russia | 44.085518 | 39.057199 |
|  | Mamai Kala | Russia | 43.623 | 39.693 |
| outlet of R Achaeunte | R Ashe at Sotchi | Russia | 43.570123 | 39.699182 |
| Masaitike, at outlet of R Masaetica, Masaetique | Matsesta, on R Khosta near Sotchi | Russia | 43.5095 | 39.859 |
| outlet of R Naessus, Nesis | R Mzynta near the airport of Sotchi | Russia | 43.412457 | 39.907325 |
| outlet of R Borgys | R Psou near Leselidze | Abkhazia | 43.379923 | 40.009349 |
| outlet of R Abascus | Monastery at Tsandryphsh, near Gantiadi | Abkhazia | 43.3793 | 40.0709 |
| Stennitike, Nitica, Nitike | near Gagra | Abkhazia | 43.315434 | 40.223249 |
| Pityus, Pitynte | Pitsunda | Abkhazia | 43.16 | 40.332 |
|  | Lidzava | Abkhazia | 43.166 | 40.369 |
| Anacopia, Tracheia | Novyj Afon, New Athos | Abkhazia | 43.0945 | 40.8083 |
|  | Gvandra | Abkhazia | 43.074 | 40.86 |
|  | Krasnyy Mayak | Abkhazia | 42.99 | 40.96 |
| Dioscurias, Sebastopolis | Sukhumi | Abkhazia | 42.996 | 41.018 |
| R Astelephus, Stelippon, Euripos | Monastery at Dranda, NE of the airport of Sukhumi | Abkhazia | 42.87415 | 41.1622 |
| R Hippus | R Kodori | Abkhazia | 42.812154 | 41.121505 |
| Guenos, Gyenos, Cygnus, Neapolis on R Cyaneus, Glaucus, Ciani, Tarsuras | North of Ochamchira | Abkhazia | 42.753 | 41.401 |
| R Cherobios, R Rhoas | Roman fort at Ilori, South of Ochamchira | Abkhazia |  |  |
| Siganeon, Zigane on R Singames (navigable) | Roman fort near Gali | Abkhazia | 42.6286 | 41.5013 |
| Pichori near R Chobus, Chorsos | R Enguri near Anaklia | Abkhazia | 42.427499 | 41.530916 |
|  | Ergeta | Georgia | 42.351 | 41.591 |
| R Charieis, Arios (navigable) | R Khobi near Kulevi | Georgia | 42.270014 | 41.617157 |
| Patara Poti, on R Phase (navigable) | Roman fort at Patara Poti, on R Rioni | Georgia | 42.1848 | 41.709 |
| Simagre, on R Phase (navigable) | on R Rioni | Georgia | 42.197 | 41.7645 |
| Phasis, on lake Paleostomi, Paliastomi | Poti | Georgia | 42.12 | 41.72 |
| R Mogrus (navigable) | R Supsa | Georgia | 42.01135 | 41.74261 |
| R Isis (navigable) | R Natenebi | Georgia | 41.90883 | 41.75631 |
| R Acinasis, Akinases | Pichvnari,near Kobuleti on R Kintrish | Georgia | 41.847 | 41.77 |
| Petra Pia Iustiniana | Roman fort at Tsikisdziri | Georgia | 41.7517 | 41.7337 |
| Bathys Limen on R Bathys, Portus Altus | Roman fort at Batumi | Georgia | 41.656123 | 41.650231 |
| R Acampsis (navigable) | R Chorokh | Georgia | 41.60455 | 41.565274 |
| Apsaros, Apsaruntos, Apsyrtus | Fort of Gonio, 10 km South of Batumi | Georgia | 41.57311 | 41.573741 |
| Kissa, on R Kissa | Hopa | Turkey | 41.392 | 41.409 |
| R Archabis | near Findikli | Turkey | 41.28253 | 41.148443 |
| R Prytanis | R Firtina at Ardesen | Turkey | 41.19452 | 40.971727 |
| Athenae, near R Zagatis | Pazar | Turkey | 41.184549 | 40.872667 |
| R Adienus | R Madenli near Cayeli | Turkey | 41.089391 | 40.709049 |
| R Ascurus | R Askoroz | Turkey | 41.048905 | 40.569334 |
| Rhizos, Rhizaion, Becheirikos, Port Bechirique, on R Rhizius | Rize | Turkey | 41.036149 | 40.534456 |
| R Calos | North of Eskipazar | Turkey | 40.990875 | 40.323847 |
| R Psychros | South of Eskipazar | Turkey | 40.972625 | 40.305805 |
| Ophius, on R Ophis | Of, on R Solakli | Turkey | 40.948389 | 40.259139 |
| Susarmia, Sousourmena | Sürmene | Turkey | 40.918188 | 40.112901 |
| Hyssus Portus on R Hyssus, Missy Portus, Susarmia, Psoron Limen, near Kaine Parenbole | Arakli, on R Karadere, near Canayer | Turkey | 40.94234 | 40.068253 |
| Trapezos, Trapezonte, Trapezunt | Trabzon | Turkey | 41.004909 | 39.739089 |
| Hermonassa, Platana, Pulathane | Akcaabat | Turkey | 41.021783 | 39.596558 |
| Chordule, Cordula, Kordyle | Akcakale | Turkey | 41.079233 | 39.509828 |
| Hieron Oros | Yoroz | Turkey | 41.104543 | 39.435566 |
| Kerasous | Kirazlik | Turkey | 41.0637 | 39.318 |
| Libiopolis | Yuvabolu, near Besikdüzü | Turkey | 41.0754 | 39.201 |
| Coralles, Koralla | on Görele Burnu | Turkey | 41.08 | 39.165 |
| Philokalea | Görele | Turkey | 41.044571 | 38.992223 |
| Argyre, at outlet of R Tripolis | Quarry at Halkavala, at outlet of R Harsit | Turkey | 41.013 | 38.869 |
| Tripolis | Tirebolu | Turkey | 41.008085 | 38.821436 |
| Port Zephyriose, Zephyrium | near Gülburnu | Turkey | 40.962812 | 38.654644 |
| Aretias insula, Aretide, Areonesos | Isle of Giresun Adasi | Turkey | 40.92895 | 38.43706 |
| Pharnacya, Pharnakeia, Pharnacee, Aretias, Kerasus, Cerasus, Cerasonte, Choerades | Giresun | Turkey | 40.926512 | 38.390134 |
| Ischopolis, at the outlet of R Pharmatenos | Bulancak, at outlet of R Pazarsuyu | Turkey | 40.947353 | 38.174747 |
| R Melanthius | R Melet near Ordu | Turkey | 40.990334 | 37.932806 |
| Kotyora, Cotyorum, near the outlet of R Genetes, Genetes, near Cape Genetaios | Ordu, near the outlet of R Akcaova | Turkey | 40.991364 | 37.884258 |
| Boona | Persembe in the bay of Vona | Turkey | 41.0603 | 37.784 |
| Kilikon Nesos insula, Isle of the Cilicians | Isle of Persembe Adasi | Turkey | 41.117387 | 37.728723 |
| Stamene, Ameneia? | near Yason Burnu, Jason's Cape | Turkey | 41.116 | 37.705 |
| Polemonium | near Fatsa | Turkey | 41.0243 | 37.531 |
| Phabda, Phadisane | Fatsa | Turkey | 41.038 | 37.499 |
| Ameletos, Camila | near Yüceler | Turkey | 41.10855 | 37.387574 |
| R Phigamunte | near Cevizdere | Turkey | 41.120359 | 37.332904 |
| Oenoe, Caena | Ünye | Turkey | 41.136934 | 37.29641 |
| R Thoaris | Ünye Ouest | Turkey | 41.149924 | 37.228018 |
| R Beris | R Arimdere, near Milic | Turkey | 41.189159 | 37.037293 |
| Cape of Amazones, Themiscyra, at the outlet of R Thermodon | R Terme Süyu | Turkey | 41.216698 | 36.976401 |
| Lamyron, Herakleion, Heracleum | near Gölyazi | Turkey | 41.245600 | 37.025800 |
| Ankon, Acone on R Iris | at the outlet of R Yesil | Turkey | 41.374 | 36.6315 |
| Chadisia on R Chadisia | near Kurtulus at the airport of Samsun | Turkey | 41.2924 | 36.5626 |
| Amisos, Amisus, Peiraieus | Baruthane, near Samsun | Turkey | 41.3149 | 36.339631 |
| Eupatoria | Karasamson | Turkey | 41.3249 | 36.3176 |
| Eusene | Incesukahvesi? | Turkey | 41.373 | 36.2314 |
| Conope | near Engiz? | Turkey | 41.501866 | 36.131482 |
| Naustathmus | near Gernek Gölü? | Turkey | 41.628518 | 36.122683 |
| R Halys | R Kizilirmak near Bafra | Turkey | 41.74762 | 35.959063 |
| Gadilon, Helega? on R Halys | Bafra | Turkey | 41.56985 | 35.882748 |
| Zaliches, Leontopolis on R Zaleco | Alacam | Turkey | 41.636 | 35.603 |
|  | Yakakent Liman | Turkey | 41.638876 | 35.501672 |
| Zagora | Cayagzi | Turkey | 41.686531 | 35.415002 |
| Garzoubanthon, Orgibate | Kurzuvet | Turkey | 41.752598 | 35.238398 |
| Karousa, Carusa, Caruse, Polichnion | Gerze | Turkey | 41.792039 | 35.201452 |
| Kyptasia | near Demirciköy | Turkey | 41.928869 | 35.090278 |
| Sinope | Sinop | Turkey | 42.020602 | 35.14885 |
| Scopelus | peninsula of Sinope | Turkey | 42.025972 | 35.178924 |
| R Ochosbanes, Ochthomanes | R Karasu Cayi | Turkey | 42.031935 | 35.074574 |
| Armene, Harmene, port of Sinop | Akliman | Turkey | 42.050028 | 35.05828 |
|  | Hamsilos | Turkey | 42.060269 | 35.04221 |
| Gerna | Inceburun | Turkey | 42.098035 | 34.955292 |
| Potamoi, Potamos | Tarakci | Turkey | 41.952813 | 34.772607 |
| Stephane | near Ayancik | Turkey | 41.95 | 34.56 |
| Koloussa | Güllüsu Liman, West of Türkeli | Turkey | 41.945262 | 34.279437 |
| Kinolis and Antikinolis | Ginoglu Liman, near Kaslica | Turkey | 41.967 | 34.166 |
| Aeginetes | Haciveli | Turkey | 41.981 | 34.045 |
| Abonuteichos, Abonutichus, Abonus, Ionopolis | Inebolu | Turkey | 41.981333 | 33.758788 |
| Garium, Gario | Özlüce? | Turkey | 41.99 | 33.601 |
| Zephyrium | Doganyurt | Turkey | 42.009959 | 33.466118 |
| Marsylla, Kallistratia? | Marcula Plaji | Turkey | 42.0126 | 33.398 |
| Karambis | Ilyasbey on Cape Kerempe | Turkey | 42.021193 | 33.362693 |
| Timolaion, Timolaium | Güble, near Cayyaka | Turkey | 42.0095 | 33.3075 |
| Thyne, Thymena, Teuthrania? | Timne, near Ugurlu | Turkey | 41.978167 | 33.203928 |
| Klimax, Climace | Sakalli | Turkey | 41.9414 | 33.0856 |
| Aegialus | Cide | Turkey | 41.901342 | 32.984664 |
| Kytoros, Cytorus, Cytore | Gideros, near Kumluca | Turkey | 41.859419 | 32.858033 |
| Kromna, Cromna | Tekkeönü | Turkey | 41.830868 | 32.66982 |
| Erythrinoi, Erythines | near Senyurt | Turkey | 41.784254 | 32.481548 |
| Amastris, Sesamos, Sesamus | Amasra | Turkey | 41.754893 | 32.386015 |
| R Parthenius | Poseidon temple at outlet of R Bartin | Turkey | 41.686554 | 32.215629 |
| Mokata? on R Psillide | Muda, formerly Mukata | Turkey | 41.611 | 32.15 |
| R Billaeus | R Filyos near Sazköy | Turkey | 41.583552 | 32.045434 |
| port of Tieion, Tieum, Tius | Filyos, with a submerged breakwater connected to the promontory | Turkey | 41.571794 | 32.0247 |
| Psylla | Isikveren | Turkey | 41.5258 | 31.9 |
| Krenides | near Kilimli | Turkey | 41.488533 | 31.827473 |
| Sandaraca, Sandarake | Zonguldak | Turkey | 41.459393 | 31.78667 |
| Oxinas on R Oxinem, | Iliksu Köyü, near Esenköy | Turkey | 41.412321 | 31.68226 |
| Nymphae | cavusagzi | Turkey | 41.378872 | 31.604219 |
| Tyndarides | Kireclik | Turkey | 41.374739 | 31.588112 |
| Posidium | Alacaagzi | Turkey | 41.36536 | 31.542509 |
| Metroum, Metroon, Aulia | Köseagzi near Bali | Turkey | 41.331225 | 31.464391 |
| Cape Acherousias, Akonai | vers Kemer Köyü | Turkey | 41.31701 | 31.417137 |
| Herakleia Pontica, Heraclee | Eregli | Turkey | 41.2821 | 31.413 |
| R Lycus | R Gülüc South of the port of Eregli | Turkey | 41.245359 | 31.391451 |
|  | Kilisecik near Göktepe | Turkey | 41.216755 | 31.406413 |
| Cales on R Calete | Alapli | Turkey | 41.182038 | 31.375819 |
| Elaios on R Elaeus | near Kocaman | Turkey | 41.119224 | 31.300354 |
| Kalesa, Kelesa | near Cayagzi | Turkey | 41.1 | 31.215 |
| Lilius, Lilaios | East of Akcakoca | Turkey | 41.0967 | 31.186 |
| Dia, Diaspolis, Diospolis | Akcakoca | Turkey | 41.0924 | 31.1233 |
| R Hypius | R Melen near Melenagzi | Turkey | 41.079158 | 30.967863 |
| R Sangarius | R Sakarya near Ihsaniye | Turkey | 41.130681 | 30.649346 |
| Chalai, Cheles | Dikili Sahili | Turkey | 41.195 | 30.337 |
| Isle of Thynias, Isle of Apollonia | Kefken Adasi | Turkey | 41.214126 | 30.260447 |
| Rhoe on R Rhoes | Kefken | Turkey | 41.1704 | 30.224412 |
| Calpas, Calpe, Kalpe | Kerpe | Turkey | 41.156349 | 30.194158 |
| Tenba | near Bagirganli | Turkey | 41.140762 | 30.019743 |
| Psillion on R Psillis | Yesilcay on R Agva | Turkey | 41.143723 | 29.847963 |
| Artanes and Chelaita on R Artanes | Sile | Turkey | 41.178163 | 29.60646 |
| Rhebas on R Rhebas | Riva near Cayagzi | Turkey | 41.226963 | 29.210147 |