

Artificial cavities of Turkey

Updating the Map of Anthropogenic Cavities in the Mediterranean Basin

Cavità artificiali della Turchia

Aggiornamento della Carta delle Cavità Antropogeniche nel bacino del Mediterraneo

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Abstract

We present the first update of the inventory of artificial cavities of Turkey, fulfilled as part of the 2012 project “Map of the Rock-cut Sites of Mediterranean”, curated by the National Commission for Artificial Cavities of the Italian Speleological Society. It consists of a general map, a list of 232 geo-localized sites and a reference bibliography. The inventory is constantly upgraded.

Keywords: artificial/anthropogenic/rock-cut cavities inventory, Mediterranean Basin, map, Turkey.

Riassunto

Viene qui presentato il primo aggiornamento del repertorio delle cavità artificiali della Turchia, realizzato nell'ambito del progetto “Carta dei Siti Rupestri del Mediterraneo” del 2012, curato dalla Commissione Nazionale Cavità Artificiali della SSI. Consta di una mappa generale, di una lista dei siti sino ad ora georeferenziati e della bibliografia di riferimento. La documentazione è stata acquisita direttamente dai curatori (Yamaç e Bixio), grazie a decennali indagini condotte di persona sul territorio, o attraverso collaborazioni locali o fonti di ricercatori/viaggiatori del passato e moderni. Le cavità individuate sono attualmente 436, di cui 232 sono qui elencate: sono stati per ora esclusi i 204 siti della Cappadocia attualmente in fase di revisione. L'inventario è in continuo aggiornamento.

Parole chiave: inventario cavità artificiali/antropogeniche/rupestri, carta, bacino del Mediterraneo, Turchia.

The ambitious project to develop an inventory of artificial cavities¹ existing in the Mediterranean Basin was born in the 90s of the last century on the initiative of

two Italian researchers (Besana, Mainetti, 2000) that led them to achieve the first Map of the “Troglodytism in the Mediterranean Countries”. Subsequently, the project was shared and expanded together with the Commissione Nazionale Cavità Artificiali (National Commission for Artificial Cavities) of the Società Speleologica Italiana (Italian Speleological Society), by producing a new “Map of the Rock-cut Sites of Mediterranean” (Bixio *et al.*, 2012).

As the project progressed, on the one hand there was a growing awareness of the great amount of under-

¹ We consider artificial cavities, as opposed to natural cavities (caves), all structures made by the hand of man (anthropogenic), in particular those of historical or architectural interest, carved or built underground, or become hypogean due to the subsequent overlap produced by anthropogenic activities. The specific term “rock-cut site” refers, of course, exclusively to the cavities carved into the rock.

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Fig. 1 – Cliff Settlements in the doline of Çıralı Gölü, Konya province (photo A.E. Keskin).

Fig. 1 – *Insediamiento a parete nella dolina del Çıralı Gölü, provincia di Konya (foto A.E. Keskin).*

ground works actually existing in the different Mediterranean countries and, on the other hand, about the large dispersion of data, which were often not homogeneous or insufficient to form a meaningful overall picture. For this reason, the project, already several times revised (Polimeni *et al.*, 2019; Galeazzi *et al.*, 2021), is constantly evolving, even with partial updates on specific areas.

The whole of Turkey is taken into account in this contribution. The update was implemented by Ali Yamaç and Roberto Bixio, based upon three sources of data-collection: firstly, personal surveys on the ground of the two curators who, with their teams, are carrying out research on several Anatolian sites since decades; then, collection of information from local researchers on specific sites; and last but not least, acquisition of bibliographic sources from past and modern travellers/researchers and local public institutions.

The result, certainly not yet definitive, was, in some respects, surprising both for the quantity and the territorial extension of the sites identified. It must be remarked that in 2012 the sites listed were 193,

and almost all of them (171) were situated in the most studied historic area, known as Cappadocia, today identified by the provinces of Aksaray, Kayseri, Kırşehir, Nevşehir, Niğde and Yozgat; only 22 were located elsewhere. Currently, the number of rock-cut settlements included in the map published here (figs. 3 and 4) has increased to 436, with 204 of them in Cappadocia (central Turkey), and the other 232 distributed throughout the territory, between the European part of the country, to the west, to the extreme eastern border; they are present in at least 47 of the 81 provinces into which the Turkish territory is divided, but the works are in progress and new relevant areas will soon be added.

Of course, it should be noted that, for the time being, some rock-cut settlements are generically referred to as individual sites, waiting for more precise explorations, but we know that, actually, they consist of different clusters of cavities. For example, the site of Ani (Ks02), in the province of Kars (eastern Turkey), actually consists of at least 6 areas (fig. 5), divided into 30 sectors, for a total of 800 cavities (Bixio *et al.*, 2009). On the other hand, the sites of Cap-

padocia have now increased to about 200, but it is believed that they are even more: the only rock-cut churches are valued in at least a thousand (Ousterhout, 2017, p. 5). Further, also the entire area of the historic region of Phrygia, here already partially represented by numerous sites located in a large area around the so-called City of Midas (*Midas Şehri*, in the province of Eskişehir), will be the subject of a next update in order to record the actual number of anthropogenic (artificial) cavities which is definitely much more substantial. Thus, the current inventory can only be considered as a starting point for a next, more rich database.

In the following a list is provided (tab. 1) in which all sites up to now geo-localized are identified with alphanumeric abbreviations (Id marks) assigned to each province. We point out that the corresponding position markers on the map, being the scale too small, are approximate but, in any case, sufficient to provide a very significant overview of the density and distribution of rock-cut sites throughout Turkey. The exact location

of each site is easily traceable on large-scale maps by means of geographical coordinates and is generally specified in the relevant bibliography where the cavities are described.

It was considered appropriate to extend the range of types also to sites where the main rock-cut chamber tombs/cliff-necropolis (which were not included in the initial inventory) are present, for a total of 31 locations. They are highlighted in violet in the map and in the list.

For each site, at least one or more bibliographical references are reported (last right column), but not necessarily all those existing; the relating documentation is kept in archive (PDF, personal communications or other). The documents, listed in table 2, are not in alphabetical order by authors, but are listed in order of acquisition by the archive and catalogued with alphanumeric abbreviations in which the first two letters indicate the nation (in this case Tr = Turkey), and the numbers are, of course, progressive.

Note: Cappadocia inventory

Sites located in the area of Cappadocia (*Kapadokya* in Turkish), due to their density, are pointed out at the centre of the general map of Turkey (figs. 3 and 4) without identification marks, but only with their placeholders which provide, however, the plastic representation of their distribution. It should be noted that, for the time being, they have not been included in the inventory in table 1, because they are currently in a revision phase. They will be considered in a future update on the basis of recent acquisitions (see, for example, Yamaç *et al.*, 2014, 2015, 2021), to be added to a list of Turkish researchers (Yörükoğlu *et al.*, 1988), and to the results of investigations carried out in the 1990s (Bixio *et al.*, 2012). In the meantime, they can be easily located on maps and in lists available in some publications (Bixio, Traverso, 1995; Bixio *et al.*, 2002, 2012).



Fig. 2 – Rock-cut settlement of Eski Kale at Ahlat (Xlat, in Armenian), Bitlis Province (photo R. Bixio).

Fig. 2 – Insediamento rupestre di Eski Kale presso Ahlat (Xlat, in armeno), provincia di Bitlis (foto R. Bixio).



Fig. 3 – Map of the artificial (anthropogenic) cavities of Turkey, western sector (drawing R. Bixio, A. Yamaç).

Fig. 3 – Mappa delle cavità artificiali (antropogeniche) della Turchia, settore ovest (grafica R. Bixio, A. Yamaç).

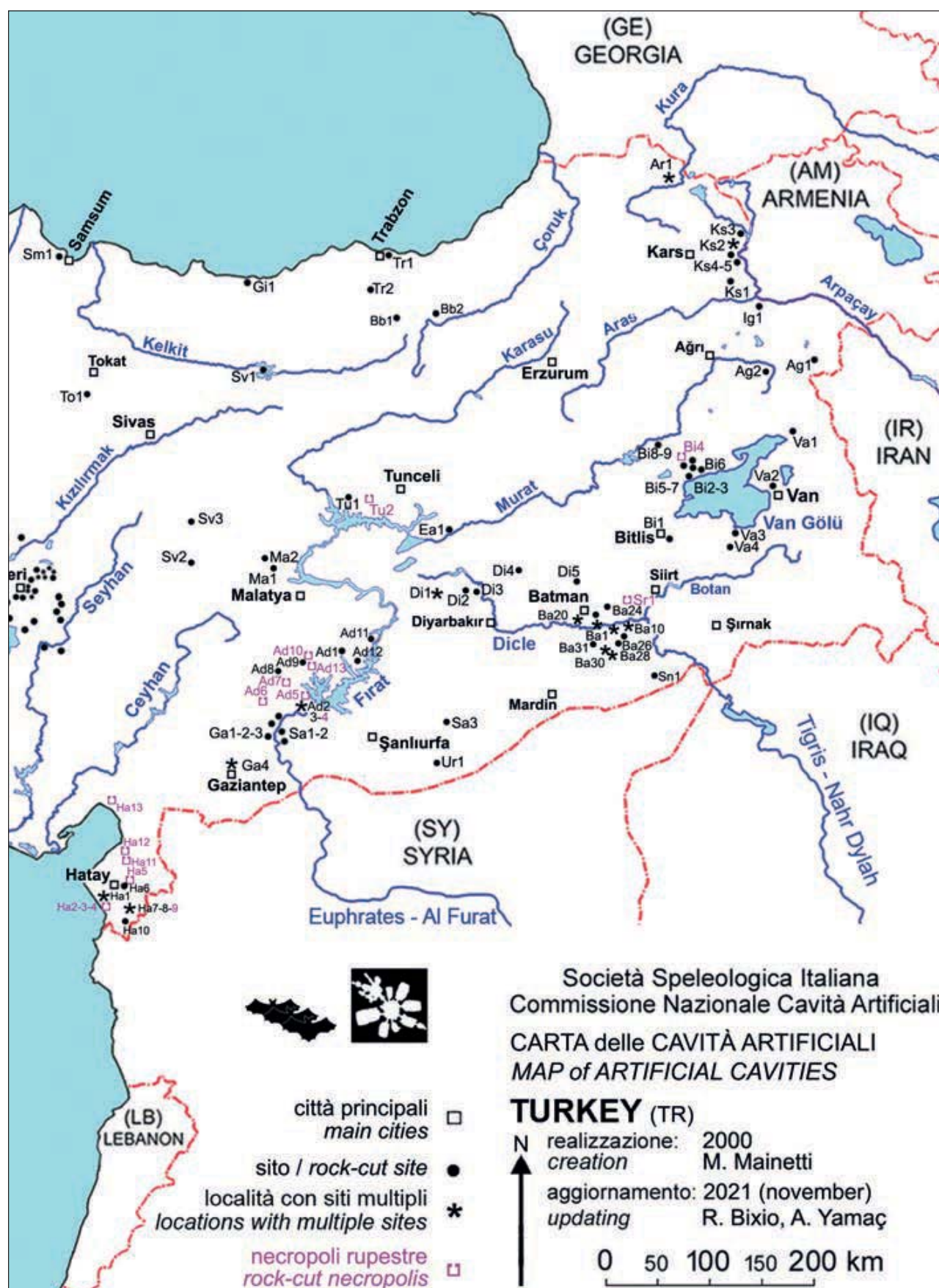


Fig. 4 – Map of the artificial (anthropogenic) cavities of Turkey, eastern sector (drawing R. Bixio, A. Yamaç).

Fig. 4 – Mappa delle cavità artificiali (antropogeniche) della Turchia, settore est (grafica R. Bixio, A Yamaç).

MAP of ARTIFICIAL CAVITIES**nation: TURKEY (TR)**

Società Speleologica Italiana - Commissione Nazionale Cavit  Artificiali

Italian Speleological Society - National Commission Artificial Cavities

creation: Mario Mainetti, 2000

updating: Roberto Bixio, Ali Yamaç, 2021

List of sites

(column 1) alphanumeric abbreviation (Id mark) to which the sites in the map refer = the first two letters refer to the administrative Provinces into which Turkey is divided.

(column 2) full names of Province (*historical names*).

(column 3) locality = inhabited centre (district/town/village) nearest to the listed site. When there are two names, the first is the District Capital. "Merkez" is pointed out when Province Capital and District Capital coincide (*historical names*).

(column 4) latitude of the listed site.

(column 5) longitude of the listed site.

(column 6) site name with presence of anthropogenic (artificial) cavities (if different from the locality) and any other information. *Main rock-cut chamber tombs / cliff necropolis are listed in violet.*

(column 7) type = rock-cut type/intended use = abbreviations (Id marks) in the "Tree of Types" of SSI-CNCA.

(column 8) source = Tr + number = bibliographic references (see specific table). Personal communication = pc.

TAB. 1

No	Province	locality	latitude	longitude	Name of the site/cavity and other information	type	source
Aa01	Ankara (<i>Ancyra</i>)	Yeşilöz	40°15'18.00"N	32°15'50.56"E	Yeşilöz	B1-C1	Tr011 Tr020
Aa02	Ankara	Mahkemeağcin	40°21'31.59"N	32°32'46.69"E	Mahkemeağcin (nearby there are other rock-cut sites mentioned: Egerli Başköy, Pazar, Kızılcaören, Hambarkaya, Çeltikçi)	B1-C1	Tr011- Tr020
Aa03	Ankara	Şereflikoçhisar Akin Köyü	39°07'21.99"N	33°15'30.66"E	Dedeler Mevkii Yeraltı Şehri (Underground shelter found during a road construction, 12 rooms and continues)	D7	Tr083
Aa04	Ankara	Haymana Culluk Köyü	39°25'32.71"N	32°41'17.01"E	Köyiçi Mevkii Yeraltı Şehri (Underground shelter with several rooms and millstone doors)	D7	Tr083
Aa05	Ankara	Bala Beynam Köyü	39°41'17.92"N	32°53'45.82"E	Kışla Mevkii Yeraltı Şehri (Underground shelter with several rooms and continues)	D7	Tr083
Aa06	Ankara	Nallıhan Kayabükü Köyü	40°05'02.50"N	31°49'46.65"E	Kayabükü Cliff Settlement (a small settlement, few dwellings)	B1	Tr095 Tr095 bis
Aa07	Ankara	Güdül	40°13'10.89"N	32°14'41.43"E	İnönü Caves (cliff settlement, several dwellings)	B1	pc Yamaç
Ad01	Adıyaman	Eski Kahta (<i>Arsameia</i>)	37°56'42.20"N	38°39'29.62"E	Eski Kale	A4-F2?	Tr020 Tr021 Tr022
Ad02	Adıyaman	Kızılın	37°25'43.40"N	38°07'32.70"E	Kızılın (Euphrates, north bank: rock village and 1 monastery / south bank dozens of rock houses and 1 monastery)	B1-C1	Tr035 Tr040
Ad03	Adıyaman	Gümüşkaya	37°25'22.53"N	38°10'20.87"E	Gümüşkaya (identified dozen of rock-cut dwellings on both banks)	B1	Tr035 Tr040
Ad04	Adıyaman	Gümüşkaya	37°26'42.09"N	38°09'51.60"E	Goksu deresi (dozen of - perhaps - Roman tombs)	C2	Tr040
Ad05	Adıyaman	Kuyulu Köyü	37°30'24.84"N	38°13'32.88"E	Turuş Rock-cut Tombs (25 rock-cut tombs)	C2	Tr105
Ad06	Adıyaman	Besni – Yukarı Söğütlü Köyü	37°30'59.67"N	37°46'09.92"E	Yukarı Söğütlü - Tatarin Necropolis (several rock-cut tombs)	C2	Tr105 Tr120
Ad07	Adıyaman	Besni Atmalı Köyü	37°42'36.05"N	37°59'51.97"E	Atmalı Rock-cut Tombs (several rock-cut tombs)	C2	Tr105
Ad08	Adıyaman	Tut Yaylımlı	37°46'20.28"N	37°58'15.60"E	Dokuz Mağara Rock Settlement (Several dwellings and tombs)	B1	Tr105
Ad09	Adıyaman	İndere Köyü	37°48'26.84"N	38°14'51.10"E	İndere Demirkale Rock Settlement (several dwellings in four different levels)	B1	Tr105

No	Province	locality	latitude	longitude	Name of the site/cavity and other information	type	source
Ad10	Adıyaman	Taşgedik Köyü	37°51'06.48"N	38°18'10.08"E	Haydaran Rock-cut Tombs (several rock-cut tombs, some with sarcophagus)	C2	Tr105
Ad11	Adıyaman	Gerger Köklüce Köyü	37°55'33.24"N	38°59'13.92"E	Köklüce Rock-cut Church (Partially collapsed, few frescoes)	C1	Tr105
Ad12	Adıyaman	Akıncılar	37°45'53.84"N	38°48'41.70"E	Akıncılar Rock Settlement (Several dwellings)	B1	Tr105
Ad13	Adıyaman	Perre	37°47'32.60"N	38°18'11.43"E	Perre Rock-cut Tombs (Several different tombs)	C2	Tr121
Af01	Afyon	Ayazini Köyü	39°00'46.54"N	30°34'08.96"E	Ayazini (Cave Church + Phrygian rock-cut dwellings?)	B1-C1	Tr004- Tr009 Tr070- Tr071
Af02	Afyon	Kemerkaya	38°55'07.34"N	31°04'47.20"E	Kemerkaya (underground shelter, 3 km north of the village)	D1	Tr014- Tr070
Af03	Afyon	Bayat	38°59'03.33"N	30°55'26.55"E	Bayat and İn pazarcık (rock-cut churches)	C1	Tr070
Af04	Afyon	Alanyurt	39°00'00.16"N	30°44'43.87"E	Alanyurt	C1	Tr070
Af05	Afyon	Karakaya	38°53'47.04"N	30°48'33.12"E	Karakaya (rock-cut village?)	B1	Tr071
Af06	Afyon	Ayazini	39°01'35.80"N	30°33'34.60"E	Avdalaz Kalesi (rock-cut village / shelter?)	B1 D7 ?	Tr071
Af07	Afyon	Bolvadin Kemerkaya	38°53'4.19"N	31° 5'27.00"E	Yedikapılar (Rock-cut Settlement and Underground Shelter, southeast of the village)	D7 B1	Tr118
Ag01	Ağrı	Doğubayazıt	39°31'14.43"N	44°07'33.51"E	Ishak Paşa Sarayı (cavities in the rock faces adjacent the palace)	?	Pc Bixio
Ag02	Ağrı	Diyaadin Günbuldu	39°29'10.53"N	43°33'39.78"E	Meya Caves (Small cliff settlement, few dwellings)	B1	Tr108
Ak	Aksaray				SEE CAPPADOCIA LIST		
An01	Antalya	Antalya	36°58'56.82"N	30°27'54.92"E	Termessos (necropolis = monumental chamber tombs excavated in the cliff)	C2	Tr045 Tr080
An02	Antalya	Demre (Myra)	36°13'35.59"N	29°57'08.50"E	Myra (necropolis = monumental chamber tombs excavated in the cliff)	C2	Tr046 Tr081
Ar01	Ardahan	Ardahan	41°06'46.62"N	42°42'08.21"E	Kura River Rock-cut Settlements (26 different settlements within and around the valley). Work in progress: project of investigation by the University of Ardahan (coordinates of the Ardahan centre)	B1-C1 C2	Tr109 Tr110
Ay01	Aydın	Bozdoğan Kemer	37°32'36.50"N	28°32'12.12"E	Arapapıştı Canyon (Rock-cut churches and tombs in the canyon)	C1 C2	Tr086
Ay02	Aydın	İncirliova Dereazğı Köyü	37°52'32.21"N	27°44'09.86"E	Balıkkaya Rock-cut Tombs (Three rock-cut tombs, one with frescoes)	C2	Tr096
Ba01	Batman	Merkez Kesmeköprü	37°43'0.08"N 37°43'0.72"N 37°43'0.73"N	41°24'58.46"E 41°24'57.15"E 41°25'35.28"E	Cliff Settlement (now submerged after the construction of the dam) Kure Rock-cut Church No 1 Kure Rock-cut Church No 2	B1 C1	Tr020 Tr132 Tr134
Ba02	Batman	Hasankeyf	37°42'33.84"N 37°42'37.01"N 37°42'38.84"N	41°24'37.84"E 41°24'46.91"E 41°24'43.58"E	Castle Lower Valley Cliff Settlement (several rock-cut dwellings-passages) Hasankeyf South Cliff Settlement (90 rock-cut dwellings) Dwellings and Rock-cut Tombs	B1-D1? F2 C2	Tr020 Tr132 Tr134
Ba03	Batman	Hasankeyf					
Ba03.1	"	"	37°42'25.5"N	41°25'22.74"E	Hasankeyf Southeast Cliff Settlement (45 rock-cut dwellings)	B1	Tr132 Tr134
Ba03.2	"	"	37°42'25.23"N	41°25'34.34"E	Gavur Valley Cliff Settlement (several rock-cut dwellings)	B1	Tr132 Tr134
Ba03.3	"	"	37°42'23.14"N	41°25'41.36"E	Tabya Hill Cliff Settlement (several rock-cut dwellings, barns, cisterns, channels)	B1-A4	Tr132 Tr134
Ba03.4	"	"	37°42'30.31"N	41°25'47.5"E	Zevruney Valley Rock-cut Church	C1	Tr132 Tr134
Ba03.5	"	"	37°42'23.74"N	41°25'51.09"E	Zevruney Valley Cliff Settlement (more than 50 rock-cut dwellings, barns, cisterns, water channels etc.)	B1 A4	Tr132 Tr134

No	Province	locality	latitude	longitude	Name of the site/cavity and other information	type	source
Ba03.6	"	"	37°42'24.3"N	41°26'7.29"E	Gelyameviya Valley Cliff Settlement (25 rock-cut dwellings)	B1	Tr132 Tr134
Ba04	Batman	Hasankeyf	37°41'57.41"N	41°25'3.8"E	Gavur Castle Cliff Settlement (several rock-cut dwellings)	B1	Tr132 Tr134
Ba05	Batman	Hasankeyf Üçyol Köyü	37°42'14.44"N	41°28'2.32"E	Rock-cut Dwellings	B1	Tr132 Tr134
Ba06	Batman	Hasankeyf Saklı Köyü	37°42'13.64"N	41°32'21.58"E	Rock-cut Tombs	C2	Tr132 Tr134
Ba07	Batman	Hasankeyf Akalın Köyü	37°41'32.98"N	41° 34' 2.73"E	Rock-cut Dwellings	B1	Tr132 Tr134
Ba08	Batman	Hasankeyf İncirli Köyü	37°43'22.31"N	41°34'24.87"E	Rock-cut Dwellings and tombs	B1 C2	Tr132 Tr134
Ba09	Batman	Hasankeyf Öğütlü Köyü	37°42'25.96"N	41°36'13.63"E	Rock-cut Dwellings (31 rock-cut dwellings)	B1	Tr132 Tr134
Ba10	Batman	Hasankeyf Palamut Köyü	37°42'31.89"N	41°40'40.25"E	Few Rock-cut Dwellings	B1	Tr132 Tr134
Ba11	Batman	Hasankeyf Tepebaşı Köyü	37°41'53.27"N	41°22'37.21"E	Meşti Valley Cliff Settlement (52 rock-cut dwellings)	B1	Tr132 Tr134
Ba12	Batman	Hasankeyf Kumluca Köyü	37°43'55.98"N	41°15'52.9"E	Rock-cut Dwellings	B1	Tr132 Tr134
Ba13	Batman	Merkez Suçeken Köyü	37°44'07.69"N 37°44'10.12"N 37°44'11.73"N 37°44'16.36"N	41°18'12.28"E 41° 18' 9.33"E 41°18'06.07"E 41°18'01.91"E	Suçeken Rock-cut Dwelling No 1 (perhaps now submerged) Suçeken Rock-cut Dwelling No 2 (perhaps now submerged) Suçeken Rock-cut Dwelling No 3 (perhaps now submerged) Suçeken Rock-cut Dwelling No 4	B1	Tr020 Tr132 Tr134
Ba14	Batman	Merkez Suçeken Köyü	37°44'23.46"N	41°19'11.98"E	Karaka Caves Rock-cut Dwelling 1 Karaka Caves Rock-cut Dwelling 2 Karaka Caves Rock-cut Dwelling 3	B1	Tr132 Tr134
Ba15	Batman	Merkez Kumluca Köyü	37°44'30.14"N	41°14'42.20"E	Kadırğa Caves Rock-cut Dwelling 1 (perhaps now submerged) Kadırğa Caves Rock-cut Dwelling 2 Kadırğa Caves Rock-cut Dwelling 3 Kadırğa Caves Rock-cut Dwelling 4 Kadırğa Caves Rock-cut Dwelling 5 (nearby there are also several smaller rock-cut dwellings)	B1	Tr132 Tr134
Ba16	Batman	Merkez Çayüstü	37°45'04.37"N	41°10'32.87"E	Rock-cut Settlement	B1	Tr132 Tr134
Ba17	Batman	Merkez Salkımlı	37°45'38.22"N	41°8'48.11"E	Rock-cut Settlements (Several rock-cut dwellings)	B1	Tr132 Tr134
Ba18	Batman	Merkez					
Ba18.1	"	"	37°46'7.98"N	41°3'26.14"E	Harun Caves Rock-cut Dwelling No 1 (Tigris right bank, near Üniversitesi)	B1	Tr132 Tr134
Ba18.2	"	"	37°46'17.49"N	41°3'25.79"E	Harun Caves Rock-cut Dwelling No 2 Tigris left bank. (There are also five more small rock-cut dwellings around the vicinity)	B1	Tr132 Tr134
Ba19	Batman	Merkez Oymataş Köyü	37°47'5.31"N	41°2'22.04"E	Koska Caves Rock-cut Dwelling (There are also four more small rock-cut dwellings around the vicinity)	B1	Tr132 Tr134
Ba20	Batman	Merkez Oymataş Köyü					
Ba20.1	"	"	37°47'54.59"N	41°01'49.95"E	Rock-cut Dwelling No 1	B1	Tr132 Tr134
Ba20.2	"	"	37°48'3.14"N	41°1'18.15"E	Rock-cut Mosque	C1	Tr132 Tr134
Ba20.3	"	"	37°47'54.91"N 37°47'55.04"N 37°47'54.23"N 37°47'53.09"N	41°01'23.39"E 41°01'29.76"E 41°01'29.62"E 41°01'26.22"E	Rock-cut Church (nearby there are also more than 20 smaller rock-cut dwellings) Rock-cut Dwelling No 2 Rock-cut Dwelling No 3 Rock-cut Dwelling No 4	C1 B1	Tr132 Tr134

No	Province	locality	latitude	longitude	Name of the site/cavity and other information	type	source
Ba21	Batman	Merkez Recepler Köyü	37°48'52.89"N 37°48'53.02"N 37°48'54.66"N 37°48'53.46"N	41°11'01.77"E 41°11'01.38"E 41°10'58.25"E 41°11'00.29"E	Rock-cut Dwelling No 1 Rock-cut Dwelling No 2 Rock-cut Dwelling No 3 Rock-cut Dwelling No 4 (nearby there are several smaller rock-cut dwellings)	B1	Tr132 Tr134
Ba22	Batman	Merkez Yolveren Köyü	37°48'05.08"N 37°48'03.46"N	41°16'43.56"E 41°16'43.73"E	Rock-cut Church Rock-cut Dwelling (nearby there are several smaller rock-cut dwellings)	C1 B1	Tr132 Tr134
Ba23	Batman	Beşiri Yukarı Karha	37°44'16.31"N	41°29'37.22"E	Cliff Settlement (8 rock-cut dwellings)	B1	Tr132 Tr134
Ba24	Batman	Beşiri Yeşiloba	37°54'01.85"N	41°24'49.17"E	Holike Cliff Settlement	B1	Tr132 Tr134
Ba25	Batman	Gercüş Çalışkan	37°39'15.98"N	41°37'34.51"E	Rock-cut Dwelling (There are also few smaller rock-cut dwellings in the vicinity)	B1	Tr132 Tr134
Ba26	Batman	Gercüş Aydınca	37°37'38.79"N	41°37'17.08"E	Rock-cut Dwelling (There are also few smaller rock-cut dwellings in the vicinity)	B1	Tr132 Tr134
Ba27	Batman	Gercüş Yamanlar	37°32'53.32"N	41°29'40.47"E	Rock-cut Dwellings	B1	Tr132 Tr134
Ba28	Batman	Gercüş Arıca					
Ba28.1	"	"	37°31'07.53"N	41°26'15.43"E	Rock-cut Dwelling (There are also few smaller rock-cut dwellings in the vicinity)	B1	Tr132 Tr134
Ba28.2	"	"	37°30'46.28"N	41°26'28.63"E	Mor Barsuma Monastery	C1	Tr132 Tr134
Ba29	Batman	Gercüş Yolağzı	37°31'11.63"N	41°20'36.34"E	Rock-cut Dwelling (There are also few smaller rock-cut dwellings in the vicinity)	B1	Tr132 Tr134
Ba30	Batman	Gercüş Kırkat					
Ba30.1	"	"	37°33'46.49"N 37°33'44.81"N	41°17'14.84"E 41°17'11.36"E	Rock-cut Dwelling No 1 Rock-cut Dwelling No 2	B1	Tr132 Tr134
Ba30.2	"	"	37°33'28.74"N	41°17'53.57"E	Rock-cut Tombs (12 rock-cut tombs)	C2	Tr132 Tr134
Ba31	Batman	Gercüş Bağlıca					
Ba31.1	"	"	37°38'03.89"N	41°09'35.06"E	Rock-cut Dwelling (There are also few smaller rock-cut dwellings in the vicinity)	B1	Tr132 Tr134
Ba31.2	"	"	37°37'56.11"N	41°09'32.03"E	Rock-cut Church and Tombs (more than 10 rock-cut tombs)	C1-C2	Tr132 Tr134
Bb01	Bayburt	Kale Bukağı	40°23'03.71"N	39°41'59.75"E	Keçi Kalesi (Konas Kalesi)	D2	Tr022
Bb02	Bayburt	Aydintepe	40°23'18.74"N	40°09'02.86"E	Aydintepe (maybe it corresponds to Hankent ???)	D7	Tr002 Tr013 Tr020 Tr022 Tr064
Bi01	Bitlis	Bitlis	38°24'06.07"N	42°06'26.16"E	Bitlis Kalesi (in the city centre)	A4-F2	Tr013 Tr022
Bi02	Bitlis	Ahlat (X/lat)	38°45'12.11"N	42°27'02.95"E	Tahtısüleyman / Harabaşehir / Eski Kale / Bezirhane / Sultan Seyyid (several sites close each other)	A3-B1 C1	Tr005 Tr009 Tr033 Tr034
Bi03	Bitlis	Ahlat	38°46'15.40"N	42°27'49.04"E	Madavans / Kulaksiz (several sites close each other)	B1-B4 C1	Tr033 Tr034
Bi04	Bitlis	Ahlat	38°50'41.86"N	42°29'59.51"E	Şehit Mezdan	C2	Tr033 Tr034
Bi05	Bitlis	Ahlat	38°48'33.04"N	42°28'22.04"E	Bağdedik	B1-C1	Tr033 Tr034
Bi06	Bitlis	Ahlat	38°46'28.28"N	42°32'20.50"E	Uludere / Karakum / Malyemez (several sites close each other)	C1	Tr033 Tr034
Bi07	Bitlis	Ahlat	38°45'07.80"N	42°25'56.68"E	Kirkklar / Çatalağzı / Gicat Dere (several sites close each other)	B1	Tr033 Tr034

No	Province	locality	latitude	longitude	Name of the site/cavity and other information	type	source
Bi08	Bitlis	Otluyazi	38°54'15.00"N	42°25'24.88"E	Otluyazi 1	B1-B6	Tr033
Bi09	Bitlis	Otluyazi	38°53'34.98"N	42°26'19.36"E	Otluyazi 2	B1-B6	Tr033
Bo01	Bolu	Seben Alpagut Köyü	40°24'31.43"N	31°37'21.95"E	Muslar Caves (Cliff settlements, 100-150 dwellings. In Seben District. There are several more settlements also in Çeltikdere, Karca, Solaklar, Hoçaş and Kaşbiyıklar villages - see below)	B1	Tr102
Bo02	Bolu	Seben Solaklar	40°25'42.78"N	31°35'46.66"E	Solaklar (see Bo1 Muslar)	B1	Tr102
Bo03	Bolu	Seben Kaşbiyıklar	40°22'32.36"N	31°38'26.98"E	Kaşbiyıklar (see Bo1 Muslar)	B1	Tr102
Bo04	Bolu	Seben Hoçaş	40°20'30.53"N	31°38'23.19"E	Hoçaş (see Bo1 Muslar)	B1	Tr102
Bo05	Bolu	Seben Çeltikderesi	40°20'42.30"N	31°42'40.51"E	Çeltikdere (see Bo1 Muslar)	B1	Tr102
Bo06	Bolu	Seben Karca	40°32'4.59"N	31°30'47.50"E	Karca (see Bo1 Muslar)	B1	Tr102
Bu01	Burdur	Bucak Avdancık	37°21'29.40"N	30°32'49.31"E	Altıkapılı Cave Church	C1	Tr074
Bu02	Burdur	Bucak Taşyayla Köyü	37°31'01.07"N	30°39'29.47"E	Inarasi Cave (a sacred artificial cavity but, interestingly several Neolithic artifacts found)	C1	Tr088
Ca01	Çanakkale	Tevfikiye	39°57'26.29"N	26°14'13.44"E	Truva/Troy/Troia (<i>Wilusa/Ilio</i>), Hissarlık (tunnel-cistern Kaskal.Kur)	A3-A4	Tr012 Tr013 Tr020
Ck01	Çankırı	Çerkeş Yakuplar Köyü	40°43'52.31"N	32°52'04.20"E	Dereyayla Cliff Settlement (A rock-cut complex with six different levels and several rooms in each storey)	B1	Tr103
Ck02	Çankırı	Çerkeş Karamustafa K.	40°47'26.31"N	32°59'09.97"E	Çatalmağara & Kurtkuş Rock Shelters (Eight different small shelters (dwellings?), with barrel vault, in two separate regions with barrel vault)	D7 B1?	Tr103
Ck03	Çankırı	Çerkeş Saçak Köyü	40°46'53.74"N	33°00'39.67"E	Saçak Settlement (Few rock-cut dwellings)	B1	Tr103
Ck04	Çankırı	Atkaracalar Ilıpınar Köyü	40°47'47.96"N	33°06'56.90"E	Ilıpınar Settlement (five rock-cut dwellings)	B1	Tr103
Ck05	Çankırı	Orta Kalfat Köyü	40°41'24.07"N	33°05'18.84"E	Kalfat Underground Shelter (Three rooms, two millstone doors, one at the entrance. There are also several rock-cut tombs and settlements around)	D7	Tr103
Ck06	Çankırı	Orta Sakaeli Köyü	40°40'47.15"N	33°10'14.21"E	Sakaeli Rock Settlement (More than 130 artificial caves in and around the modern village, some still used)	B1	Tr103
Ck07	Çankırı	Orta Sakarcaören K.	40°37'07.88"N	33°08'57.26"E	Sakarcaören Rock Shelters (Two different small shelters (dwellings?) with barrel vault)	D7 B1?	Tr103
Ck08	Çankırı	Orta Ağaçın	40°35'31.11"N	33°04'24.12"E	Ağaçın Rock Settlement (Several rock-cut dwellings)	B1	Tr103
Ck09	Çankırı	Orta Hüyük Köyü	40°35'17.34"N	33°10'49.49"E	Hüyük Underground Shelter (Two different levels. A small church by the entrance)	D7 C1	Tr103 Tr104
Ck10	Çankırı	Kuşunlu Eskişehir Köyü	40°50'20.89"N	33°25'16.20"E	Eskişehir Underground Shelter (Seven/eight chambers, several tunnels blocked by debris)	D7	Tr103
Ck11	Çankırı	Kuşunlu Köprü Köyü	40°46'44.01"N	33°17'11.12"E	Yedikapılar Rock-cut Tombs (Several rock-cut tombs)	C2	Tr103
Ck12	Çankırı	Beşdüt Köyü	40°37'40.38"N	34°04'04.82"E	Beşdüt Rock-cut Tombs (two tombs, one with double pillars)	C2	Tr103
Ck13	Çankırı	İlgaz İnköy	40°54'02.12"N	33°39'08.88"E	Inkaya Rock-cut Church and Tombs	C1-C2	TR001
Co01	Çorum	Boğazkale	40°01'31.34"N	34°37'55.28"E	Yazılıkaya (<i>Hattusa</i>)	C1	Tr006
De01	Denizli	Pamukkale	37°55'06.02"N	29°06'38.98"E	Cave-monastery (Cave with remains of monastery and cistern upstream of the archaeological site of Hierapolis) - (coordinates of the village)	C1-A4	pc Bixio

No	Province	locality	latitude	longitude	Name of the site/cavity and other information	type	source
De02	Denizli	Tavas	37°34'23.04"N	29°04'16.78"E	Tabae (Tabai) water works	A3-A4	pc Aydan see Tr7
De03	Denizli	Buldan Karaköy	38° 2'39.14"N	28°50'4.55"E	Karaköy Rock-cut Tomb (A single tomb with two klines)	C2	Tr111
De04	Denizli	Çal Bayıralan	37°58'29.04"N	29°22'21.00"E	Bayıralan Rock-cut Tombs (Three different tombs and a rock-cut altar)	C2	Tr111
De05	Denizli	Çal Develler	38°09'17.62"N	29°18'00.58"E	Kestaneboğazı Sacred Place (several rock-cut niches on the same rock)	C2	Tr111
Di01	Diyarbakır	Sesverenpınar	38°12'49.14"N	39°43'30.69"E	Hilar Mağaraları or Ergani Hilar Magaralari (Nearby there are other rock-cut structures)	D7	Tr031
Di02	Diyarbakır	Eğil	38°11'47.64"N	40°03'19.97"E	Eğil Castle (Tunnels and dwellings in the Tigris canyon)	B1	Tr087
Di03	Diyarbakır	Eğil Konak	38°11'13.14"N	40°08'09.90"E	Konak Köyü (Rock-cut dwellings and tombs around the village)	B1-C1	Tr087
Di04	Diyarbakır	Kocaköy	38°17'30.55"N	40°30'19.87"E	Kocaköy Caves (Especially around Karaz, Şaklat and Mendan villages rock-cut dwellings)	B1	Tr087
Di05	Diyarbakır	Silvan	38°08'11.74"N	41°05'28.18"E	Hassuni Caves (A huge cliff settlement with more than 300 rock-cut dwellings, water structures and churches)	B1-A4-C1	Tr087 Tr107
Ea01	Elazığ	Palu	38°41'51".94N	39°55'58.60"E	Palu (water works and tombs)	A3-C2	Tr023
Es01	Eskişehir	Çukurhisar	39°49'46.75"N	30°19'07.38"E	Site between İnönü and Çukurhisar (coordinates Çukurhisar centre)	B1	Tr008
Es02	Eskişehir	Yazılı	39°12'02.93"N	30°42'49.96"E	Midas Şehri - Yazılıkaya Nearby there are other rock-cut structures: Yapıldak, Delik Taş, İnli	C1-B1?	Tr004 Tr009 Tr013 Tr020
Es03	Eskişehir	Yapıldak (perhaps)	39°10'18.28"N	30°39'17.76"E	Achidere	B1	Tr007 Tr017
Es04	Eskişehir	Hanköy	39°09'35.10"N	30°51'36.49"E	Han (underground shelter / settlement)	D7	Tr014
Ga01	Gaziantep	Hromgla	37°16'19.90"N	37°50'18.90"E	Rumkale (rilevate decine di abitazioni rupestri e una chiesa)	B1-C1	Tr035 Tr040
Ga02	Gaziantep	Hisarköy	37°24'05.28"N	37°54'34.44"E	Hisar	?	Tr035
Ga03	Gaziantep	Ciftekoz	37°26'20.19"N	37°57'50.84"E	Ciftekoz (localized 28 rock-cut dwellings)	B1	Tr035 Tr040
Ga04	Gaziantep	Gaziantep	37°03'57.43"N	37°22'41.20"E	Gaziantep (46 water works and stone quarries scattered under the city)	A3-A4 A6-E1	Tr013 Tr036 Tr037 Tr038
Gi01	Giresun	Bulancak	40°55'04.34"N	38°12'56.14"E	Bulancak Cave Church	C1	Tr073
Ha01	Hatay (Antiochia)	Çevlik (Seleukeia Pieria)	36°07'26.10"N	35°55'15.19"E	Çevlik - Kapisuyu (tunnels used to divert the river)	A1	Tr013 Tr039
Ha02	Hatay	Çevlik (Seleukeia Pieria)	36°07'26.10"N	35°55'15.19"E	Beşikli Mağara (Several underground and wall tombs interconnected)	C2	Tr084
Ha03	Hatay	Samandağ Mağaracık	36°06'37.83"N	35°56'23.37"E	Mağaracık Rock-cut Tombs (Several different tombs)	C2	Tr125
Ha04	Hatay	Samandağ Kapisuyu Köyü	36°07'44.52"N	35°56'23.88"E	Kapisuyu Rock-cut Tombs (Several different tombs)	C2	Tr125
Ha05	Hatay	Antakya Narlıca	36°14'13.57"N	36°12'51.33"E	Narlıca Rock-cut Tombs (Several different tombs)	C2	Tr125
Ha06	Hatay	Hatay (Antiochia)	36°12'33.80"N	36°10'41.25"E	Aziz Petrus Kilisesi/Mağarasi (Cave / church of St Peter)	C1	Tr003
Ha07	Hatay	Altınözü Yunushanı	36° 3'45.56"N	36°13'19.05"E	Gelinler Mountain Cliff Settlement and Rock-cut Tombs (Dwellings, cisterns and several rock-cut tombs)	B1-A4 C2	Tr125
Ha08	Hatay	Antakya Şenköy	36°02'58.74"N	36°08'39.96"E	Nakışlı Cave (Church) and Ceni Rock-cut Tombs (Several different tombs and a rock-cut church near to those tombs)	C1	Tr125

No	Province	locality	latitude	longitude	Name of the site/cavity and other information	type	source
Ha09	Hatay	Antakya Şenköy	36°02'58.74"N	36°08'39.96"E	Ceni Rock-cut Tombs and Nakışlı Cave (Church) (Several different tombs and a rock-cut church near to those tombs)	C2	Tr125
Ha10	Hatay	Yayladağı Kışlak	35°58'05.88"N	36°10'14.99"E	Kışlak Rock-cut Chapel, Cisterns and Tombs (a chapel, two cisterns and two tombs)	C1-C2 A4	Tr125
Ha11	Hatay	Belen Çakallı	36°27'44.79"N	36°15'30.11"E	Çakallı Rock-cut Tombs (Several different tombs)	C2	Tr125
Ha12	Hatay	İskenderun Çırtıman Köyü	36°31'39.76"N	36°13'03.29"E	Çırtıman Rock-cut Tombs (Several different tombs)	C2	Tr125
Ha13	Hatay	Erzin Yeşiltepe Köyü	36°55'03.87"N	36°07'35.53"E	Yeşiltepe Rock-cut Tombs (Several different tombs)	C2	Tr125
Ic01	İçel (Mersin)	Kızkalesi	36°27'55.20"N	34°08'48.34"E	Kızkalesi	B1	Tr003
Ic02	İçel	Erdemli Ayaş	36°29'30.79"N	34°10'52.44"E	Elaiussa – Sebaste and Korykos Semi Underground Aqueduct System (coordinates Ayaş)	A3	Tr106
Ic03	İçel	Erdemli Kayacı Köyü	36°38'45.40"N	34°11'35.11"E	Sulucin Rock and Castle (artificial cavity dwelling or sacred place and numerous rock-cut structures in the castle)	B1 C2	Tr106
Ic04	İçel	Silifke Kızılgöçit	36°39'30.93"N	34°00'16.58"E	Kızılgöçit Caves (cliff dwellings, two with frescoes, church ?)	C1 C2	Tr101 Tr101bis
Ic05	İçel	Erdemli Koramşalı	36°43'50.36"N	34°10'52.81"E	Hisar Castle (several rock-cut structures in the castle)	B1	Tr106
Ic06	İçel	Mut Geçimli Köyü	36°47'27.96"N	33°21'04.83"E	Al Oda Church (Also several other religious structures, dwellings, graves in vicinity. Near to Alahan Monastery, coordinate Alahan)	C1	Tr106 Tr092 Tr126
Ic07	İçel	Aydıncık Duruhan Köyü	36°14'22.38"N	33°17'42.34"E	Duruhan Rock-cut Tombs (several rock-cut tombs)	C2	Tr106
Ig01	Iğdır	Tuzluca	40°02'06.35"N	43°40'12.27"E	Tuzluca (salt mine)	E3	Tr022
Is01	İstanbul	İhsaniye	41°15'15.57"N	28°21'34.65"E	İhsaniye	B1	Tr006
Is02	İstanbul	İnceğiz	41°11'08.00"N	28°24'13.07"E	Karasu deresi	B1-C1	Tr006 Tr018
Is03	İstanbul	İstanbul	41°00'30.60"N	28°58'40.69"E	İstanbul (several underground works in different quarters)	A8/A4 et al.	Tr016
Is04	İstanbul	Avcılar	41°00'55.25"N	28°43'53.26"E	Bathone/Küçükçekmece Gölü	A3-A4	Tr019
Ka	Kayseri				SEE CAPPADOCIA LIST		
Ki02	Kırşehir	Dulkadirli	39°30'47.58"N	34°09'48.17"E	Dulkadirli İnlimurat-Karşıyaka (2 enclosed courtyard underground settlements)	B1	Tr002 Tr077 Tr119
Ko01	Konya (Iconium)	Karahisar	37°39'49.14"N	31°51'21.25"E	Karahisar (rock-cut grape-treading facilities)	B3	Tr069
Ko02	Konya	Meram Gökyurt Köyü	37°40'06.51"N	32°12'17.92"E	Gökyurt - Kilistra Rock-cut Settlement (several churches, rock-cut tombs and graves in addition to settlements)	B1-C1 C2	Tr004 Tr114 Tr115 Tr116 Tr117 Tr128
Ko02.1	"	"	37°39'56.44"N	32°12'19.06"E	Kilistra Rock-cut Chapel No 1		
Ko02.2	"	"	37°39'57.27"N	32°12'54.34"E	Kilistra Rock-cut Chapel No 2		
Ko02.3	"	"	37°40'15.53"N	32°12'26.14"E	Kilistra Rock-cut Chapel No 3		
Ko02.4	"	"	37°39'37.21"N	32°12'17.43"E	Kilistra Rock-cut Chapel No 4		
Ko02.5	"	"	37°39'34.40"N	32°12'13.91"E	Kilistra Rock-cut Chapel No 5		
Ko02.6	"	"	37°39'53.83"N	32°12'21.47"E	Kilistra Rock-cut Chapel No 6		
Ko02.7	"	"	37°39'56.97"N	32°12'22.82"E	Kilistra Rock-cut Chapel No 7		
Ko02.8	"	"	37°40'16.01"N	32°12'10.49"E	Kilistra Rock-cut Chapel No 8		
Ko02.9	"	"	37°39'51.74"N	32°12'23.25"E	Kilistra Paulönü Rock-cut Church		
Ko02.10	"	"	37°39'57.02"N	32°12'50.70"E	Kilistra Cross Plan Rock-cut Church		

No	Province	locality	latitude	longitude	Name of the site/cavity and other information	type	source
Ko02.11	"	"	37°40'17.10"N	32°12'30.32"E	Kilistra Rock-cut Chapels A and B of Monastery No 1		
Ko03	Konya	Selçuklu Sille (<i>Sylata</i>)					
Ko03.1	"	"	37°55'30.38"N	32°24'55.98"E	Rock-cut (cliff) village and Koimesis Tes Panagias Church	B1-B6-C1	Tr011 Tr020 Tr128 Tr130 Tr131
Ko03.2	"	"	37°55'25.62"N	32°24'41.27"E	Kiriakon Church	C1	Tr128 Tr131
Ko03.3	"	"	37°55'18.32"N	32°24'07.71"E	Sille Rock-cut Chapel No 1	C1	Tr128
Ko04	Konya	Karapınar Yenikent	37°55'57.45"N	33°24'47.59"E	Çıralı Obruk (Gölu) (rock-cut village / shelter in a sinkhole)	B1-D7	Tr043 Tr044
Ko05	Konya	Fasillar	37°39'29.37"N	31°53'47.08"E	Fasillar (rock-cut grape-treading facilities)	B3	Tr069
Ko06	Konya	Karapınar Oymalı Köyü	37°44'49.54"N	33°49'38.82"E	Oymalı Underground Shelters (16 shelters in a village! Eight of them cleaned, a small church in Shelter 11)	D7-C1	Tr094
Ko07	Konya	Yunak	38°47'14.09"N	31°46'24.93"E	Yunak Underground Shelter	D7	Tr075
Ko08	Konya	İlgin	38°16'54.21"N	31°54'50.22"E	İnüstü Mount (Underground settlement or shelter-coordinates centre İlgin köy)	D7-B1(?)	Tr113
Ko09	Konya	Cihanbeyli Bulduk	38°59'44.13"N	32°43'32.68"E	Bulduk Rock-cut Church	C1	Tr128
Ko10	Konya	Meram Kızılören					
Ko10.1	"	"	37°52'30.97"N	32°05'36.13"E	Kızılören Rock-cut Church No 1	C1	Tr128
Ko10.2	"	"	37°51'28.77"N	32°05'30.87"E	Kızılören Rock-cut Church No 2	C1	Tr128
Ko11	Konya	Meram İnce	37°44'56.85"N	32°07'21.37"E	İnce Rock-cut Church	C1	Tr128
Ko12	Konya	Meram Kayadibi					
Ko12.1	"	"	37°34'33.56"N	32°17'48.03"E	Kayadibi Rock-cut Church No 1	C1	Tr128
Ko12.2	"	"	37°34'37.17"N	32°17'39.82"E	Kayadibi Rock-cut Church No 2	C1	Tr128
Ko13	Konya	Meram Botsa					
Ko13.1	"	"	37°37'23.44"N	32°14'36.15"E	Botsa deresi Rock-cut Church No 1	C1	Tr128
Ko13.2	"	"	37°37'24.84"N	32°14'48.22"E	Botsa deresi Rock-cut Church No 2	C1	Tr128
Ko13.3	"	"	37°37'42.54"N	32°14'09.25"E	Botsa deresi Rock-cut Church No 3	C1	Tr128
Ko13.4	"	"	37°38'17.01"N	32°12'42.25"E	Botsa deresi Rock-cut Church No 4	C1	Tr128
Ko13.5	"	"	37°38'16.94"N	32°13'06.02"E	Rock-cut Structure (Probably a religious structure with an unknown purpose)	C1 (?)	Tr128
Ko14	Konya	Selçuklu	37°54'37.51"N	32°25'57.35"E	Hagios Kharinton / St. Chariton Monastery (church and chapel) Other names: Ak Manastır - Eflatun (Plato) Manastır	C1	Tr011 Tr128
Ko15	Konya	Selçuklu Saray Köyü	37°50'49.49"N	32°39'48.30"E	Sarayköy Rock-cut Chapel No 1 (coordinates centre village)	C1	Tr128
Ko16	Konya	Selçuklu Küçük Muhsine	37°55'48.28"N	32°16'59.15"E	Küçük Muhsine Rock-cut Chapel No 1 and Chapel 2	C1	Tr128
Kr01	Karaman (<i>Laranda</i>)	Binbirkilise	37°26'13.93"N	33°08'16.90"E	Binbirkilise-Madendağ (near) may be Uçkuyu ? (rock-cut dwellings and a chapel in a caldera near Madendağ. In the environs, remains of 50 masonry churches)	B1-C1	Tr042 Tr126
Kr02	Karaman	Taşkale	37°08'31.87"N	33°36'31.52"E	Taşkale (rock wall with hundreds of cavities considered barns?)	B4	Tr041 Tr126
Kr03	Karaman	Taşkale	37°08'37.25"N	33°34'06.50"E	Manazan (rock-cut village along the stream Yeşil dere)	B1-C1 D7	Tr041 Tr126
Kr04	Karaman	Balkuşan	36°46'44.49"N	32°53'11.36"E	Balkuşan Dere	B1	Tr004

No	Province	locality	latitude	longitude	Name of the site/cavity and other information	type	source
Kr05	Karaman	Ayrancı Buğdaylı Köyü	37°15'12.68"N	33°45'21.07"E	Buğdaylı Settlement (Dwellings and churches on both walls of the valley)	B1 C1	Tr089
Kr06	Karaman	Divle Üçharman	37°17'07.56"N	33°48'51.80"E	Divle Settlement (Dwellings and churches in two different valleys)	B1 C1	Tr089 Tr090
Kr07	Karaman	Göldere	37°01'26.16"N	33°28'13.22"E	Gödet Settlements (A huge cliff settlement with hundreds of rock-cut dwellings)	B1	Tr089 Tr090 Tr091 Tr126
Kr08	Karaman	Ermenek Gökçeseki	36°37'03.74"N	33°01'20.78"E	Gökçeseki Rock-cut Tombs	C2	Tr099
Ks01	Kars	Digor	40°22'35.66"N	43°26'07.60"E	Digor 1 (not identified cavity)	C1	Tr022
Ks02	Kars	Ocaklı	40°30'42.35"N	43°34'19.14"E	Ani (archaeological site - promontory on the river Arpa/Axurian) Present at least 800 anthropogenic cavities of various types divided into different sectors	B1 C1 F2	Tr001 Tr009 Tr024 Tr025 Tr026 Tr027 Tr028 Tr029 Tr030
Ks03	Kars	Ocaklı	40°31'11.97"N	43°37'43.94"E	Horomos Manastırı (several cavities in the cliff on the bend of the river Arpa / Axurian in front of the remains of masonry monastery - 5 km northeast of Ani)	B1?	Tr028 and pc Bixio
Ks04	Kars	Ocaklı	40°29'46.10"N	43°33'46.20"E	Karakom (along the river Arpa/Axurian, south of Ani)	B1-B7 C2	Tr028
Ks05	Kars	Ocaklı	40°29'19.43"N	43°33'25.31"E	Değirmendere (along the river south of Ani)	B1-C1 C2	Tr027 Tr028
Ku01	Kütahya	Yenice Köyü	39°33'21.23"N	30°04'55.05"E	Porsuk 1 / Göksel Kaya (Porsuk Vadisi) (several rock-cut sites)	B1	Tr007
Ku02	Kütahya	Akpınar	39°33'46.32"N	30°05'49.96"E	Porsuk 2 (Pursuk Vadisi)	B1-C1?	Tr007
Ku03	Kütahya	Çavdarhisar	39°12'03.84"N	29°36'34.82"E	Aizanoi (Azan) / Meter Steuene	C1	Tr015
Ku04	Kütahya	İnlice	39°14'10.02"N	30°23'00.97"E	Ovacık (three rock-cut churches)	C1	Tr070
Ku05	Kütahya	Sökmen	39°30'12.29"N	30°11'27.78"E	Sökmen (Sökmen Vadisi) (a rock-cut chapel)	C1	Tr070
Ku06	Kütahya	İnli Köyü	39°28'34.99"N	30°12'59.79"E	İnli Köyü (two rock-cut chapels)	C1	Tr070
Ma01	Malatya (Melitene)	Yazıhan Buzluk	38°35'48.16"N	38°03'00.31"E	Ansır Caves (rock-cut/cliff settlement, several dwellings)	B1	Tr100 Tr129
Ma02	Malatya	Yazıhan Erecek	38°39'16.32"N	37°57'44.77"E	Erecek Valley Rock-cut Settlements	B1	Tr129
Mu01	Muğla	Dalyan	36°49'57.19"N	28°38'14.09"E	Kaunos (Cauno) (necropolis = monumental chamber tombs excavated in the cliff)	C2	Tr046 Tr079
Mu02	Muğla	Fethiye	36°39'33.29"N	29°07'34.85"E	Telmessos (necropolis = monumental chamber tombs excavated in the cliff)	C2	Tr010 Tr078
Ne	Nevşehir				SEE CAPPADOCIA LIST		
Ni	Niğde				SEE CAPPADOCIA LIST		
Sa01	Şanlıurfa (Edessa)	Halfeti	37°14'53.65"N	37°52'06.48"E	Halfeti (29 rock-cut dwellings)	B1	Tr035
Sa02	Şanlıurfa	Savaşan	37°17'39.57"N	37°52'02.15"E	Savaşan (localized 17 rock-cut dwellings and a church)	B1-C1	Tr035 Tr040
Sa03	Şanlıurfa	Viranşehir Akkese Köyü	37°10'51.96"N	39°34'17.65"E	Akkese rock-cut Complex (Claimed to be Monastery of Phesilthia, a church and few other structures and arcosolia)	C1 C2	Tr95
Sm01	Samsun	Samsun	41°16'25.32"N	36°21'39.46"E	Amisos (Amisus)	C1	Tr003
Sn01	Şırnak	İdil Oyalı Köyü	37°13'39.97"N	41°44'21.94"E	Havindi Rock-cut Dwellings (32 rock-cut dwellings, 4 cisterns and a mosque)	B1-C1 A4	Tr133
Sr01	Siirt	Kurtalan Konakpınar	37°55'23.95"N	41°37'57.82"E	Cemilo Çeto Mağarası (Several underground tombs and arcosolium)	C2	Tr085
Sv01	Sivas (Sebasteia)	Yeşilyayla Pırk (Nicomolis)	40°08'11.41"N	38°08'41.86"E	Zağapa (unnamed rock village, near submerged village of Zağapa - Suşehri/ Kılıçkaya Barajı)	B1	Tr072

No	Province	locality	latitude	longitude	Name of the site/cavity and other information	type	source
Sv02	Sivas	Gürün	38°43'16.86"N	37°16'16.20"E	Gürün Caves (wall settlement in the city center of Gürün)	B1	Tr097
Sv03	Sivas	Gürün Mağara Köyü	39°02'43.98"N	37°15'53.70"E	Mağara Köyü Caves (several rock cut dwellings)	B1	Tr098
To01	Tokat	Artova Boyunpınar	40°09'29.53"N	36°23'48.56"E	Rock-cut Settlement (500 m north of village, Özündürük Region, three storeys)	B1	Tr129
Tr01	Trabzon	Trabzon (Trapezounte)	41°00'09.71"N	39°43'00.35"E	Panayia Theoskepastos (coordinates Trabzon centre)	B1	Tr003
Tr02	Trabzon	Altındere	40°41'24.12"N	39°39'29.65"E	Sümela (Meryemana Manastırı) (cave with anthropic works and a masonry monastery built inside)	C1	Tr003 Tr022
Tu01	Tunceli	Çemişgezek	39°03'45.27"N	38°54'44.54"E	In Delikleri (20 articial caves on three different levels and all interconnected)	B1	Tr122 Tr123
Tu02	Tunceli	Hozat Kalecik	39°03'09.40"N	39°06'22.12"E	Kalecik Rock-cut Tombs (Several different tombs)	C2	Tr124
Ur01	Urfa	Harran Özkent	36°52'10.26"N	39°22'23.15"E	Şuayip Rock-cut Settlement	B1	Tr129
Va01	Van (Tuşpa)	Muradiye Begiri / Berkri	39°00'06.88"N	43°44'24.12"E	Argelanivank' (Ter Huskan ordi vank' - Surp Stephanos)	C1	Tr009 (p.328)
Va02	Van	Van Tuşpa	38°29'57.72"N	43°20'58.06"E	Toprakkale , or Kalesi Karşıda	B1	pc Bixio
Va03	Van	Yemişlik Narek - Nerik (near Göründü)	38°17'51.36"N	42°55'45.12"E	Narekavank - several rock-cut cavities on more floors as cells for monks, in a hill a few kilometres northeast of the masonry monastery (now destroyed), three hours walking. Note: Nicoletti (Tr009) call the site Norak	C1 (B1)	Tr005 (p.330) Tr005 bis- Tr009 (p.328)
Va04	Van	Bahçesaray	38°07'35.86"N	42°48'21.19"E	Dire Gela	C1	Tr009 (p.328)
Yo04	Yozgat	Yozgat	39°49'14.72"N	34°48'26.99"E	Akkale tunnel in the castle - coordinates Yozgat centre	D2 ?	Tr002 Tr077
Yo06	Yozgat	3 kms northeast of Yozgat centre	39°49'45.38"N	34°48'30.00"E	Çeşka Underground City (Two levels with several rooms and galleries, there are also rock-cut tombs around)	D7 C2	Tr112
Zo01	Zonguldak	Ereğli	41°17'28.90"N	31°24'37.29"E	Cehennemagzı Caves (Three cavities near to each other; church, refectory and a holy spring)	A4-C1	Tr076 Tr082



Fig. 5 – One of the rock-cut settlements of Ani, medieval capital of Armenia, today included in the eastern border of Turkey, Kars province (photo R. Bixio).

Fig. 5 – Uno degli insediamenti rupestri di Ani, capitale medievale dell'Armenia, oggi inclusa nel confine orientale della Turchia, in provincia di Kars (foto R. Bixio).



Fig. 6 – Rock-cut settlement of Kesmeköprü (Batman province), left bank of the Tigris in 2001, now submerged after the construction of the dam (photo M. Traverso).

Fig. 6 – Insediamento rupestre di Kesmeköprü (provincia di Batman), sulla riva sinistra del Tigri nel 2001, oggi sommerso dopo la costruzione della diga (foto M. Traverso).

MAP of ARTIFICIAL CAVITIES**nation: TURKEY (TR)**

Società Speleologica Italiana - Commissione Nazionale Cavit  Artificiali

Italian Speleological Society - National Commission Artificial Caves

creation: Mario Mainetti, 2000

updating: Roberto Bixio, Ali Yamaç, 2021

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(in order of acquisition)**TAB. 2**

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Tr079	2021	KAUNOS = https://www.google.com/search?source=univ&tbm=isch&q=Kaunos+necropolis&client=firefox-b-d&sa=X&ved=2ahUKEwJlqRiNbxAhWmhP0HHYyAbUQ7A16BAgFEA8&biw=1704&bih=955
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Fig. 7 – A five storey rock-cut monastery excavated in the cliffs of Euphrates River, Urfa province (photo A. Yamaç).

Fig. 7 – Monastero rupestre a cinque livelli scavato nelle falesie del fiume Eufrate, provincia di Urfa (foto A. Yamaç).



Fig. 8 – Rock-cut necropolis of Myra carved into a cliff near Demre, Antalya province (photo E.Tok).

Fig. 8 – Necropoli rupestre di Myra scavata in una falesia presso Demre, provincia di Antalya (foto E.Tok).

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