

TURKISH ITINERARIES: III

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Since Dr. P. H. Davis published his *Turkish Itineraries*, II (Notes Roy. Bot. Gard. Edinb., **22**, 583–586 (1958)), further expeditions have been to Turkey, of which two have been considered sufficiently extended to merit publication. The earlier was made by J. D. A. Stainton and D. M. Henderson, collecting principally in the north-east and south—only once crossing west of longitude 35° E., although Henderson collected a few cryptogams along main roads on his (somewhat devious) return from Trabzon at the end of the expedition. The second expedition, in 1962, was in two parts; T. R. Dudley collecting in May and June mainly in west, south and central Turkey, and P. H. Davis and M. Coode collecting in June, July and August in the north and north-west, only crossing longitude 35° E. at Sinop. Both expeditions were equipped with Land-Rovers.

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The material of the two expeditions (about 6,600 numbers) is being worked out systematically during the preparation of the "Flora of Turkey" edited by Dr. Davis and assisted by a grant from the Department of Scientific and Industrial Research. The cryptogams are being identified by Mr. D. M. Henderson of the Royal Botanic Garden, Edinburgh.

In the following account of the journeys, the numbers in brackets refer to numbering on the accompanying map.

1960

Stainton started on his own. His numbers: 8101–8484, from 30 March to 29 May. First set at Edinburgh.

March 30: Trabzon—Maçka—Trabzon. 31: Trabzon—along Rize road.
April 2: Trabzon—Maçka—Trabzon. 3: Trabzon—Sumelas Monastery (52). 5: Trabzon—Rize. 9 & 10: Trabzon. 11: Trabzon—Rize—Ikizdere. 12: Ikizdere—Rize—Hopa—Artvin. 16: Artvin—Borçka. 17: Murgul (53). 18: Borçka. 19: Artvin—Yusufeli—Erzurum—Bayburt. 20: Bayburt—Gümüşane. 21: Gümüşane—Zigana (54). 24: Trabzon—Maçka—

Zigana. 25: Trabzon—Rize—Pazar—Hemşin. 26: Hopa—Borçka—Artvin. 27: Artvin. 28: Artvin—Yusufeli—Artvin.

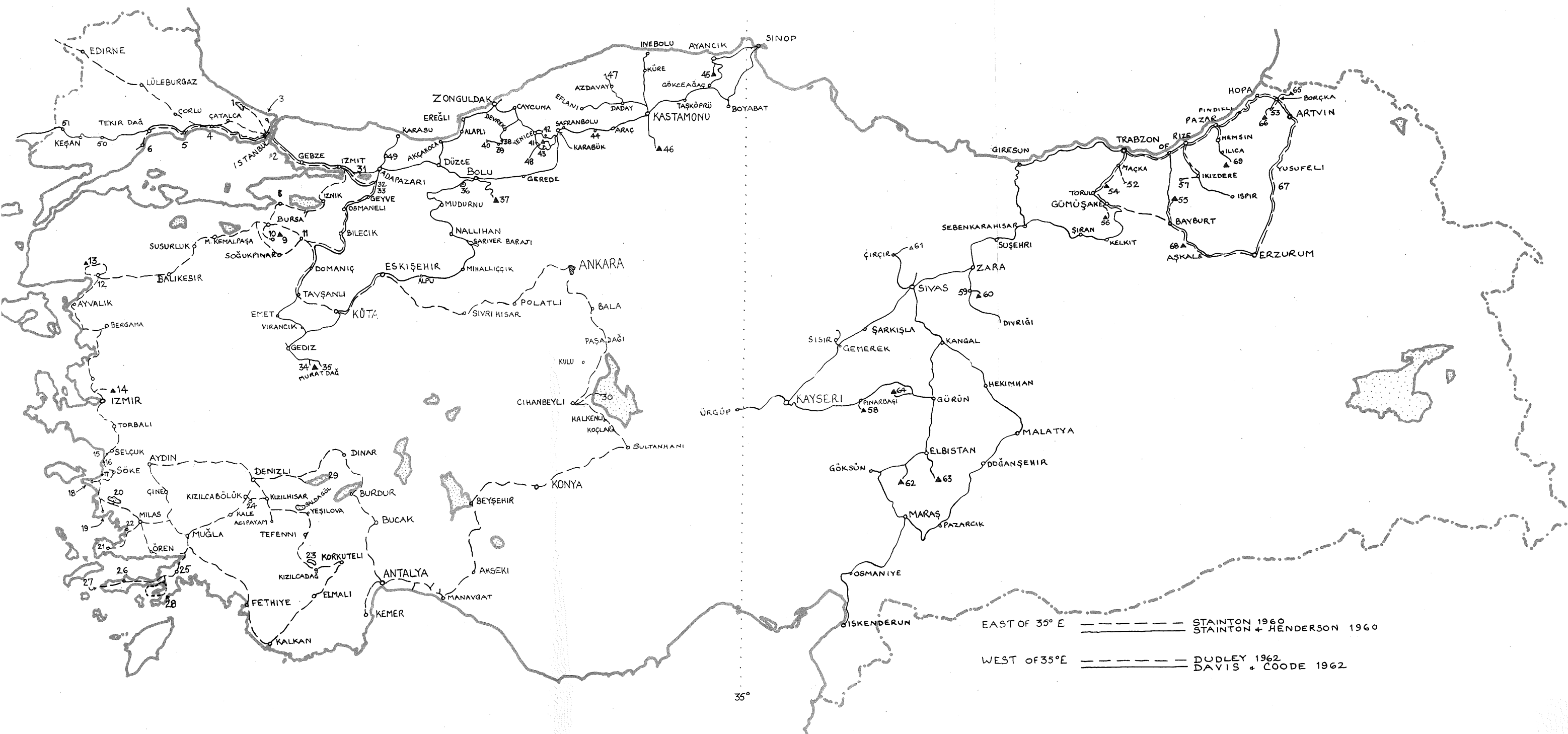
May 1: Rize. 2: Trabzon—Zigana pass. 3 & 4: Gümüşane. 5: Gümüşane—Bayburt. 6: Bayburt—Soğanlı Dağ (55)—Bayburt. 7: Bayburt—Gümüşane—Köse Dağ (56)—Gümüşane. 9 & 10: Gümüşane. 12: Trabzon—Ikizdere. 13: Ikizdere. 14: Çaykara (57).

At this point Stainton was joined by Henderson. The collections were partly numbered in the joint numbering ("Stainton & Henderson"), and partly by Stainton continuing his own numbering; Stainton finally stopped using his own series at Kangal, at 8484, on 29th May 1960. Meanwhile, Henderson had previously started using the joint numbering while collecting on his own from Istanbul to Trabzon. His collections begin at Belgrad Forest, north of Istanbul (3) on 12 May, 5001–5013, and at Samsun on 15 May, 5014–5022. The joint numbering continued at Trabzon on 16 May, at 5023, and Stainton and Henderson remained together until 22 July, when the numbering had reached 6311. Henderson continued to collect, but almost entirely cryptogams, numbered from 6312 to 6347, along main roads from Trabzon to Ankara, Antalya, Aydın, İzmir, Bursa and Istanbul.

May 16: Trabzon area. 17: Trabzon—Torul, collecting on Zigana pass, and at castle south of Torul. 18: Torul—Gümüşane—Kelkit—Şiran. 19: Şiran—Suşehri. 20: Suşehri—Sivas, collecting around lakes 20 miles north of Sivas. 21: Collecting on downs north of Sivas. 22: Sivas—Gemerek—Sisir. 23: Sisir—Kayseri. 24: Kayseri—Ürgüp—Göreme—Kayseri. 25: Kayseri—Pinarbaşı. 26: Collected on limestone hill south of Pinarbaşı (58). 27: Pinarbaşı—Gürün. 28: Collected around Gürün. 29: Gürün—Kangal—Sivas. 30: Collected in fields south of Sivas. 31: Sivas—Zara—Bolu (59).

June 1: Climbed Bey Dağ from north side (60). 2: Bey Dağ—Zara. 3: Zara—Sivas. 4: Sivas—Çirçir, by cart to Yıldız Dağ (61). 5: Climbed Yıldız Dağ to near summit (bad weather, and too early for plants). 6: Çirçir—Sivas. 7: Sivas—Hekimhan. 8: Hekimhan—Malatya—Doğanşehir. 9: Doğanşehir—near Maraş. 10: Maraş—Osmaniye—İskenderun. 11–13: İskenderun area. 14: İskenderun—Maraş—Göksün, by a very bad road even in good conditions. 15: Göksün—Elbistan. 16: Collected on Berit Dağ to about 2000 m. (62). 17: Climbed to summit of Nurhak Dağ (63). 18: Nurhak Dağ—Elbistan—Gürün on a very bad road, collected on Tahtali Dağ (64). 19: Gürün—Pinarbaşı. 20: Pinarbaşı—Kayseri—Sivas. 21 & 22: By rail to Divriği. 23: Sivas—Zara—Suşehri. 24: Suşehri—Şebinkarahisar—top of Giresun pass. 25: Pass—Giresun. 26: Giresun—Trabzon. 27: Collected west of Trabzon and on Zigana pass. 29: Trabzon—Pazar. 30: Pazar—Hopa—Borçka—Artvin.

July 1: Hills above Artvin. 2: Artvin—Murgul. 3: Murgul—Otingol (65). 4: Collected above Otingol—Murgul. 5: Murgul—Magara yayla (66). 6 & 7: Up to 3100 m. above yayla—Murgul (collecting restricted because of heavy rain). 8: Murgul—Artvin—near Yusufeli. 9: Yusufeli—Tortum Göl (67)—Erzurum. 10: Erzurum—Kop Dağ (68)—Bayburt—top of Bayburt—Of pass. 11: Of Pass—Trabzon. 14: Trabzon—Rize—Ikizdere. 15: Ikizdere—near Ispir, returning to the top of the pass. 16: Collected on mountains west of the pass. 17: Pass—Trabzon. 18: Trabzon



—Pazar—Ilica. 19: Collected around Ilica. 20: Ilica to Ilica yayla, east of the village. 21: Collected up to 3000 m., obviously misled by guide, and taken up a lower peak than, and to the east of, Kaçka Dağ; on map (69). 22: Ilica—Trabzon. Phanerogamic collecting largely ended here.

1962

T. R. Dudley, continuing Davis's numbering (D.34,500 to D.36,188), was on his own, except for a short period from 22 May until 5 June when he was accompanied by Dr. A. Huber-Morath, who made a separate collection. Dudley started collecting in the Edirne area on May 5th, and finished on 23rd June at Inegöl.

May 5: From the Bulgarian border at Edirne—Istanbul. 8: Istanbul—Çebreköy—Çeptok—Kisimandra—Terkos Gölü (1). 9: Istanbul, by ferry to Büyükkada (2). 10: Istanbul to Belgrad Forest (3). 11: Istanbul—Büyük Çekmece—Silivri (4) —Marmaraereğlisi (5) —Tekirdağ—Kumbağ (6) and back to Istanbul. 16: Istanbul—Izmit—Iznik and Iznik Göl. (7) —Gemlik (8) —Bursa. 17: Bursa—Uludağ (9) and Soğukpinar (10) —Bursa along road to M. Kemalpaşa—Keles—Inegöl (11) —Bursa (a very bad road from Keles to Inegöl). 18: Bursa—M. Kemalpaşa—Balıkesir. 19: Balıkesir—Edremit (12) —Kaz Dağ (13) spending the night in a Forestry Station. 20: Kaz Dağ. 21: Kaz Dağ—Edremit (12) —Bergama—Izmir. 22: Izmir area—Yamanlar Dağ (14). 23: Izmir—Selçuk—Ephesus (Efes) (15) —Kuşadası (16) —Söke. 24: Söke—Samsun Dağ (18) and towards Davutlar (17) —Priene—Söke. 25: Söke—Priene—Milet—Didyma (19) —Bafa Gölü (20) —Milâs. 26: Milâs—Güllük (22) —Bodrum (21) —Milâs—towards Muğla, returning to Milâs. 27: Milâs—Ören—Milâs—Muğla. 28: Muğla—towards Kale—Muğla. 29: Muğla—Fethiye. 30: Fethiye—Kalkan—Elmalı. 31: Elmalı—Korkuteli—Kizilcadağ and Söğüt Gölü (now drained and cultivated) (23) —Tefenni.

June 1: Tefenni—Yeşilova—Salda Gölü—Denizli. 2: Denizli towards Acipayam, back to Denizli—Kizilhisar—Tavas (24) —Kizilcabölük towards Denizli, but the road petered out and he had to return by the way he had come. 3: Denizli—Aydın. 5: Aydın—Çine—Muğla—Marmaris (25). 6: Marmaris (25) —Emeçik—Datça (26) —western tip of the Marmaris (Resadiye) peninsula (27) —Datça (26). 7: Datça—Emeçik—Marmaris. 8: Marmaris—Hisarönü (on the way to Emeçik) by Land-Rover; from Hisarönü—Turgut—Bozburun—Hisarönü (28) by boat; then back to Marmaris by road. 9: Marmaris—Muğla—Tavas (24). 10: Tavas—Denizli—Çardak—Aci Göl (29) —Dinar—Burdur. 11: Burdur—Bucak—Antalya. 12: Antalya towards Manavgat. 13: Antalya—Kemer—Antalya—Manavgat. 14: Manavgat—Akseki—Beyşehir. 15: Beyşehir—Konya. 17: Konya—Obruk—Sultanhanı—Koçlar—Halkanlı—Cihanbeyli. 18: Cihanbeyli towards the salt factory on W. shore of Tuz Gölü, and by rail to the furthest point into the salt pans (30), back to Cihanbeyli—Paşadağı—Bala—Ankara. 21: Ankara—Polatlı—Sivrihisar. 22: Sivrihisar—Eskişehir—Kütahya. 23: Kütahya—Tavşanlı—Inegöl—Bilecik where his collections finish.

At this point M. Coode arrived in Istanbul, and was joined by P. H. Davis a week later, when Dudley returned to Britain by air and Davis and Coode took over the Land-Rover. The collections start at D.36,200

on 30th June, and the joint collections finish in Greece at no. D.39,315 on 14th August. Davis continued alone in Greece and collected from D.39,316 to 39,328. Bulbs and bryophytes brought back unnumbered from both Turkey and Greece were subsequently numbered from D.39,330-39,381.

June 30: Istanbul—Gebze—Izmit—north side of Sapanca Gölü (31) — Adapazari.

July 1: Adapazari—Arifiye (32) —Doğançay (33) —Geyve—Osmaneli—Bilecik. 2: Bilecik—Pazaryeri—Tahtaköprü through beech forest to Domanıç—Tavşanlı. 3: Tavşanlı—Emet—Virancik—Gediz. 4: Gediz area. 5: Gediz—Murat Dağ (largely igneous rock) going up at Hamam (34) and further on at Kesik Söğüt (35) —Gediz. 7: Gediz—Kütahya—Eskişehir. 8: Eskişehir—Alpu—Mihaliçcik—Sarıyer Barajı—Nallihan. 9: Nallihan—Mudurnu—Abant Gölü (36) —Bolu. 11: Bolu—Abant Gölü (36) —Bolu. 12: Bolu—Ala Dağ (Kartal Kaya Tepe—igneous rock) (37). 14: Bolu—Düzce—Akçakoca—Alaplı—Ereğli.

At Ereğli the expedition was joined by Dr. Faik Yaltirik, of the Forestry Institute of the University of Istanbul.

15: Ereğli—Kozlu—Zonguldak, having returned to Alaplı for collecting. 16: Zonguldak area, especially on hard limestone sea-cliffs. 17: Zonguldak —Çaycuma—Tefen—Devrek, having visited Perşembe from Çaycuma. 18: Devrek—Dirgine (38) —Karadere (39) —Yedi Göl (40) —Devrek. 19: Devrek—Tefen—Yenice, along a very old, bad, road. 20: Yenice, along valley road towards Balıksık (42) (igneous rock, puddingstones etc.), back to Yenice—limestone gorge of Şimşirdere (41) —Sorgun yayla below western (?) cliffs of Kel Tepe (43) —Şimşirdere Forestry Bölge station. 21: As rain had made the road to Karabük via Sorgun yayla impassable, we returned to Yenice via Şimşirdere gorge. 22: With the Land-Rover, by rail to Karabük, stopping for collecting at Balıksık. From Karabük—Safranbolu—Iğdir (44) —Araç—Kastamonu. 23: Kastamonu area. 24: Kastamonu—Taşköprü—Gökceğaç—Boyabat—Sinop. 25: Sinop promontory, then to Ayancik. 26: Ayancik—Çangal Dağ Forest Station (first by road and finally by narrow gauge railway) (45). 27: Çangal Dağ—Gökceğaç—Taşköprü—Kastamonu. 28: Kastamonu—Ilgaz Dağ, by a forestry road to the east of the main road to Çankiri, to a valley ending below the northern cliffs (46). We reached an altitude of some 2,200 m., but did not reach the top of the cliffs. 30-31: Davis alone, Kastamonu—Küre—Inebolu—Kastamonu; Coode & Yaltirik, Kastamonu—Daday—Eflani—Daday—Azdavay—Kızılcaşu (47) —Azdavay—Kastamonu.

August 2: Together, Kastamonu—Safranbolu—Karabük. (At this point Yaltirik returned to Istanbul.) 3: Karabük—Eğrioğlu Forestry Station—Keltepe Forestry Station—by forest track to the top of Keltepe (48) (limestone) —Eğrioğlu. 4: Eğrioğlu—Sorgun yayla (43) —Karabük. 5: Excursion to Safranbolu. 6: Karabük—Gerde—Bolu—Düzce—Hendek—Adapazari. 7: Adapazari—Söğüt (49) —Karasu—Adapazari. 8: Adapazari—Sapanca on south side of Sapanca Gölü—Izmit—Gebze—Istanbul. 12: Istanbul—Büyük Çekmece—Silivri (4) —Marmaraereğlisi (5) —Tekir Dağ—Inecik—Malkara (50) —Keşan—Ipsala (51) to Greece.

In Greece a few collections were made, the details of which follow, but the localities are not mapped:

August 12: Greek frontier—Alexandroupolis. 13: Alexandroupolis—Porto Lago—Kavala—Amfipolis—Saloniki—Larissa, by the new toll road. 14: Larissa—Trikkala—Kalabaka across the Pindus through Korydalos—Metsovon—Ioannina to Igoumenitsa, where joint collections finish. Davis continued for a short time in Greece, collecting on Parnes, Hymettus and Parnassus.

LOCALITIES NUMBERED ON MAP

Abant Gölü (36)	Kizilcasu (47)
Aci Göl (29)	Kop Dağ (68)
Ala Dağ (37)	Köse Dağ (56)
Arifiye (32)	Kumbağ (6)
Bafa Gölü (20)	Kuşadasi (16)
Balikisik (42)	Magara yayla (66)
Belgrad Forest (3)	Malkara (50)
Berit Dağ (62)	Marmaraereğlesi (5)
Bey Dağ (60)	Marmaris (25)
Bodrum (21)	Marmaris Peninsula (27)
Bolucan (59)	Murgul (53)
Büyükada (2)	Nurhak Dağ (63)
Çangal Dağ (45)	Otingol (65)
Çaykara (57)	Pinarbaşı (58)
Datça (26)	Resadiye (27)
Davutlar (17)	Samsun Dağ (18)
Didyma (19)	Sapanca Gölü (31)
Dirgine (38)	Silivri (4)
Doğançay (33)	Şimşirdere (41)
Edremit (12)	Soğanlı Dağ (55)
Efes (15)	Soğukpınar (10)
Gemlik (8)	Söğüt Gölü (23)
Güllük (22)	Söğütlü (49)
Hamam (34)	Sorgun yayla (43)
Hisarönü (28)	Sumelas Monastery (52)
Iğdır (44)	Tahtalı Dağ (64)
İlgaz Dağ (46)	Tavas (24)
Inegöl (11)	Terkos Gölü (1)
Ipsala (51)	Tortum Gölü (67)
Iznik Gölü (7)	Tuz Gölü (30)
Kaçka Dağ (69)	Uludağ (9)
Karadere (39)	Yamanlar Dağ (14)
Kartal Kaya Tepe (37)	Yedi Göl (40)
Kaz Dağ (13)	Yıldız Dağ (61)
Keltepe (48)	Zigana (54)
Kesik Söğüt (35)	