

# The Tabanidae (Diptera) Fauna of Çanakkale Province

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Received: 14.06.2000

**Abstract:** In this faunistic study carried out in the Anatolian part of Çanakkale province, 40 Tabanidae species distributed in the area were determined. Previous studies carried out in this province reported 31 species. Overall, 52 species belonging to Pangoninae, Chrysopsinae and Tabaninae subfamilies have been determined to date. Twenty-one of these species are first records for the province and *Silvius latifrons graecus* Chv., Mch., & Lyn., is a first record for Turkey as well.

**Key Words:** Diptera, Tabanidae, Fauna, Çanakkale, Turkey

## Çanakkale İli Tabanidae (Diptera) Faunası

**Özet:** Çanakkale ilinin Anadolu kısmında gerçekleştirilen faunistik çalışma ile bu alanda yayılış gösteren 40 Tabanidae (Diptera) türü tespit edilmiştir. Bu il'den daha önce yapılmış çalışmalarda da 31 tür bildirilmiştir. Böylece il sınırları içinde Pangoninae, Chrysopsinae ve Tabaninae altfamilyalarına ait 52 türün yayılış gösterdiği tespit edilmiştir. Bunlardan 21 tür il'den, *Silvius latifrons graecus* Chv., Mch., & Lyn., ise Türkiye'den ilk kez bildirilmektedir.

**Anahtar Sözcükler:** Diptera, Tabanidae, Fauna, Çanakkale, Türkiye

## Introduction

The family Tabanidae of Diptera is an important group in terms of health and economics. They are the mechanical transporter of many animal diseases as well as causing decreases in meat and milk in cattle raising due to the disturbance they cause during bloodsucking (1).

The studies carried out to determine the family Tabanidae in Turkey started in the mid 19th century. After that, studies have been carried out from time to time, and, so far, 156 species and 12 subspecies have been determined (2).

In terms of its geographical position and ecological features, Çanakkale has been an important passageway from Europe to Anatolia since geological times. Although a few studies about the fauna of the region have been reported (3-6), they do not provide much information, especially on the geographical distribution of the Tabanidae species in the province. Therefore, this study was carried out to obtain more information on the Tabanidae species and their distribution in the Anatolian

part of the province, and to make a contribution to the Tabanidae fauna of Turkey.

## Materials and Methods

Çanakkale province is located between longitudes 25° 35' and 27° 45' E and between latitudes 39° 30' and 40° 45' N. The province consists of land on both sides of the Dardanelles and is naturally bordered by Koru Mountain on the Gelibolu peninsula in the north, the Marmara Sea in the north-east, the Aegean Sea in the north-west and west, and Kaz Mountain and the Aegean Sea in the south (Figure 1).

The islands Gökçeada and Bozcaada, which are located inside the borders of the province, are not included in this study. Only one species reported from Gökçeada in a previous study is given here (5).

From different localities in August 1996 and in May, June, July and August of 1997, roughly 500 specimens were collected by using a Malaysian type trap (1). The

localities, collection dates and number of specimens caught of the identified species are given in list form. Some of the species given in the list are those determined in previous studies. The distribution of the species is marked on the maps (Figures 2-15).

The samples of the identified species are stored at the Collections of the Biology Department, Anadolu University.

**Abbreviations:** M: Mountain, R: Region, V: Village, T: Town, syn: Synonym

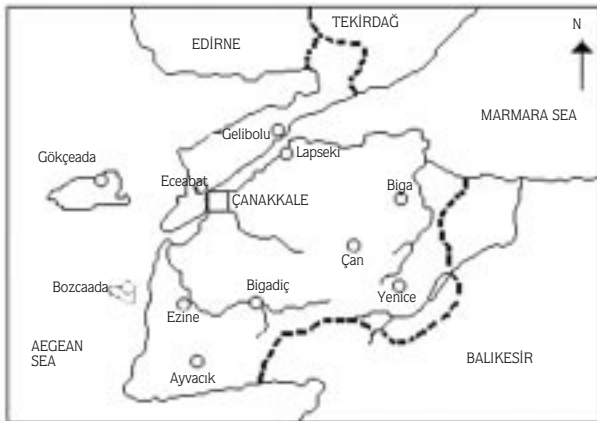


Figure 1. Çanakkale province

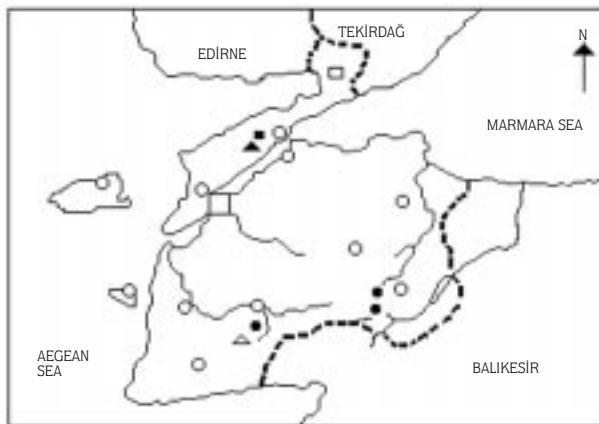


Figure 2. ■ *Pangonius haustellatus* ▲ *P. pyritosus*  
● *Silvius alpinus* △ *S. latifrons graecus*  
□ *S. inflaticornis*

## Results and Discussion

The first investigation about the fauna of Tabanidae in Çanakkale province was carried out by Austen and 17 species were determined (3). Much later, one species from the province by Leclercq (4), one species from Gökçeada by

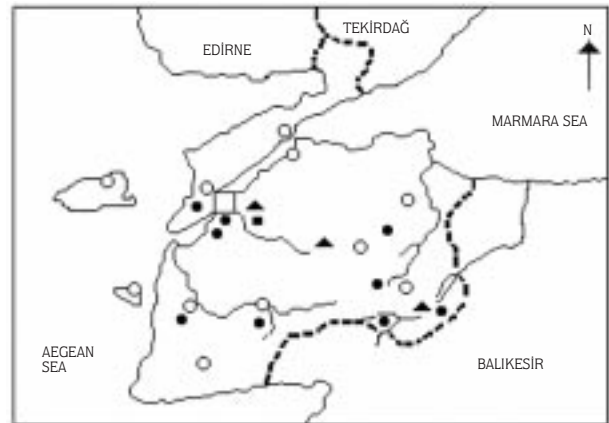


Figure 3. ● *Chrysops caecutiens* ■ *C. italicus* ▲ *C. flavipes*

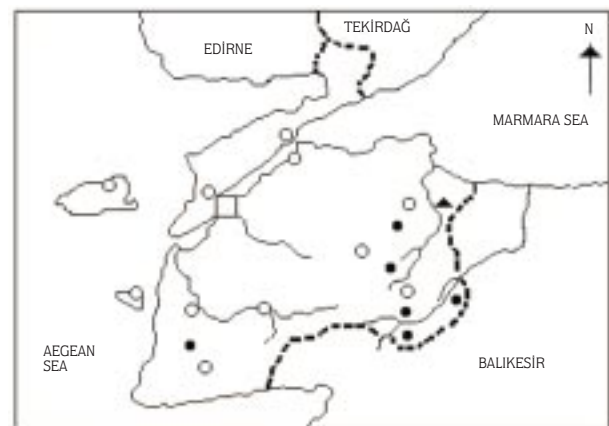


Figure 4. ▲ *Atylotus flavoguttatus* ● *A. loewianus*

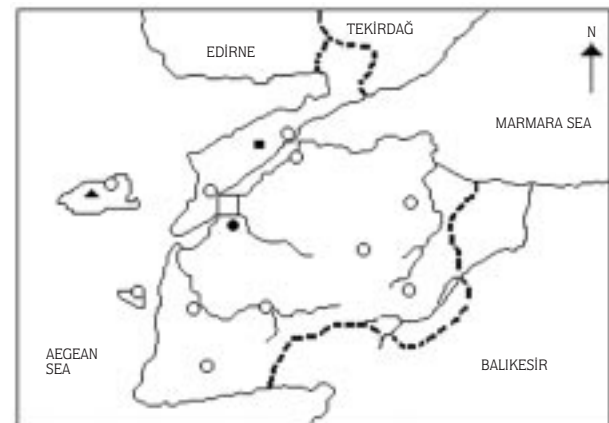


Figure 5. ■ *Hybomitra caucasica* ● *H. cureai* ▲ *H. expollicata*

Parvu and Giray (5), and 17 species from the Thrace part of the province (the European part) by Kılıç were reported (6). With these studies, the total number of species

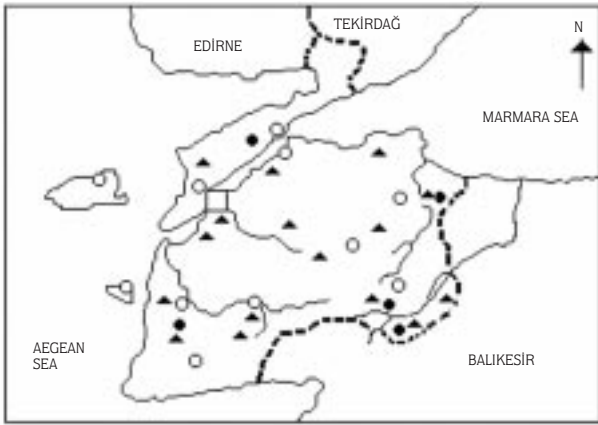


Figure 6. ● *Tabanus autumnalis* ▲ *T. bifarius*

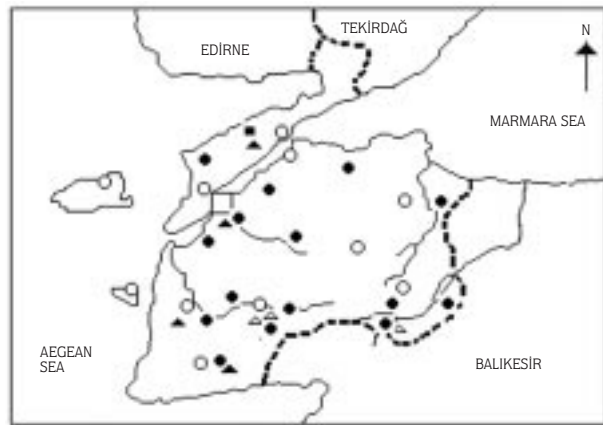


Figure 9. ▲ *T. indrae* ▲ *T. leleani*  
● *T. lunatus* ■ *T. maculicornis*

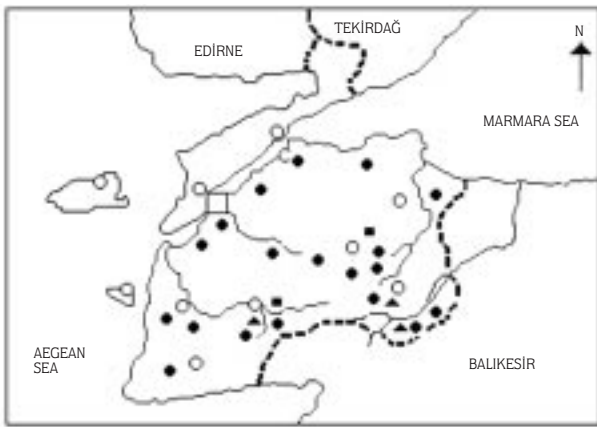


Figure 7. ▲ *T. briani* ● *T. bromius* ■ *T. cuculus*

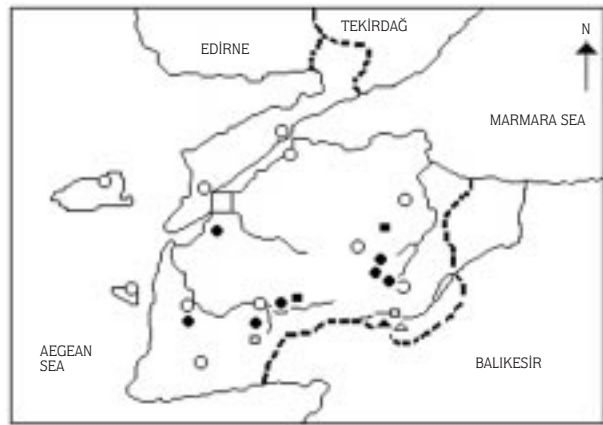


Figure 10. ● *T. miki* ▲ *T. obsolescens*  
■ *T. oppugnator* ▲ *T. paradoxus*  
□ *T. portschinskii*

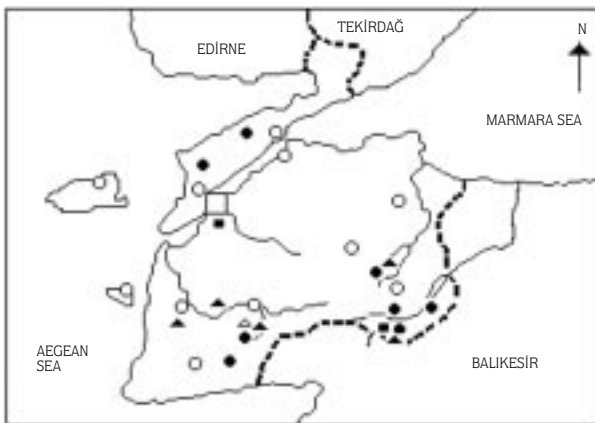


Figure 8. ▲ *T. eggeri* ▲ *T. exlusus* ● *T. fraseri* ■ *T. glaucopsis*

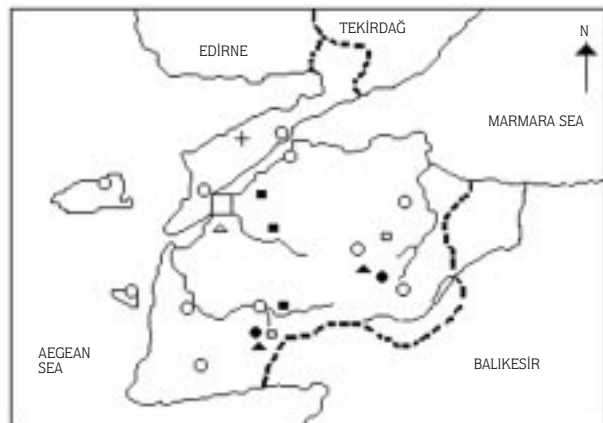


Figure 11. ● *T. prometheus* ▲ *T. regularis* ■ *T. quatuornotatus*  
▲ *T. rouselii* □ *T. rupium* + *T. shannonellus*

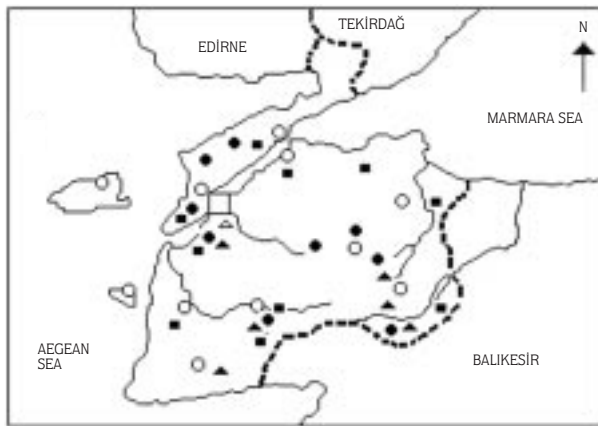


Figure 12. ● *T. spodopterus* ▲ *T. tinctus*  
■ *T. unifasciatus* △ *T. spectabilis*

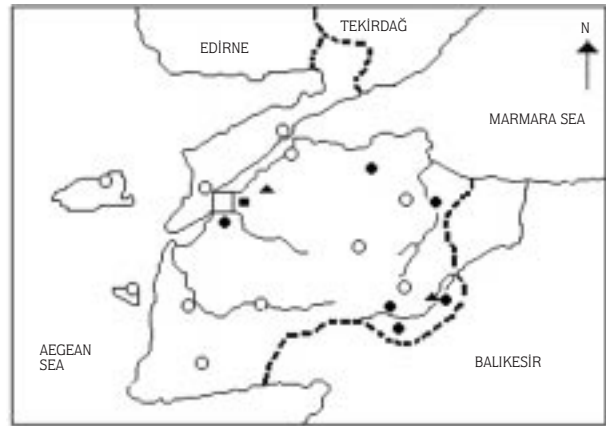


Figure 14. ● *H. ocelligera* ■ *H. latebricola* ▲ *H. longantennata*

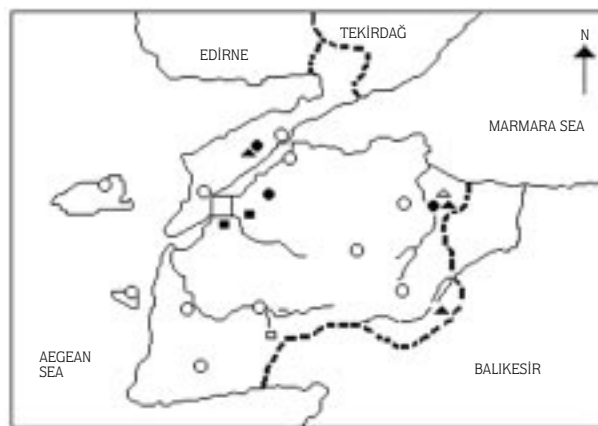


Figure 13. ● *Haematopota bigoti* ▲ *H. crassicornis*  
■ *H. grandis* △ *H. italica*

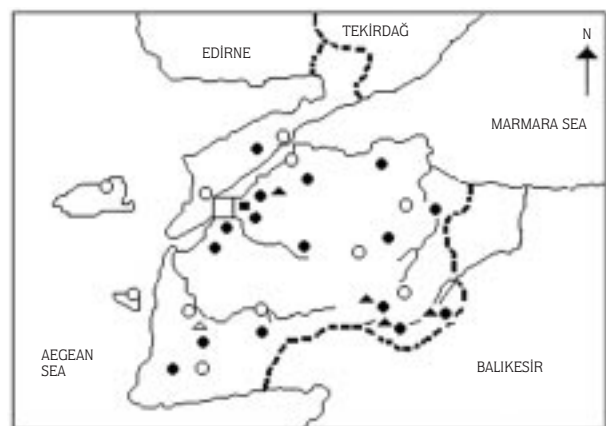


Figure 15. ● *Dasyrhamphis umbrinus* ■ *D. ater*  
▲ *Philipomyia aprica* △ *P. graeca*

reported from the province reached 31.

The present study, which was carried out in the Anatolian part of Çanakkale province in 1996 and 1997, reports 40 species. Twenty-one out of the 40 species are the first records for the province and *Silvius latifrons graecus* Chv., Mch., & Lyn., is the first record for Turkey.

Twelve previously reported species - *Pangonius haustellatus* (Fab.), *P. pyritosus* Lw., *Silvius inflaticornis* Austen, *Chrysops italicus* Meig., *Hybomitra caucasi* (Szi.), *H. expollicata* (Pand.), *Tabanus maculicornis* Zett., *T. rousseii* Macq., *T. shannonellus* Kröb., *T. spectabilis* Lw., *Haematopota latebricola* Austen, and *Dasyrhamphis ater* (Rossi) - were not observed in this study. With the contribution of this study, 52 species of which 2 are from Pangoninae, 6 from Chrysopsinae, and 44 from Tabaninae are identified for the province.

## List and Localities of Species

### SUBFAMILY: PANGONINAE

#### Tribe: Pangoniini

PANGONIUS LATREILLE, 1802

1. *Pangonius (Melanopangonius) haustellatus* (FABRICIUS, 1781)

syn. *marginata* (*Pangonius*) FABRICIUS, 1805  
Gelibolu (3).

2. *Pangonius (s. str.) pyritosus* LOEW, 1859

*P. pyritosus* LOEW var. *decipiens* (KRÖBER, 1921)  
Gelibolu (Kabatepe) (3).

### SUBFAMILY: CHRYSOPSINAE

#### Tribe: Chrysopsini

SILVIUS MEIGEN, 1820

3. *Silvius (s. str.) alpinus* (FABRICIUS, 1805)syn. *vituli* (*Silvius*) (SCOPOLI, 1763)

Bayramiç (Kazdağı M.-Ayazma): 500 m., 1 ♀, 22.7.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 1 ♀, 21.7.1997; Yenice (Kalkım T.): 250 m., 1 ♀, 21.7.1997.

4. *Silvius (s. str.) inflaticornis* Austen, 1925

Gelibolu (Anzak Cove) (3).

5. *Silvius latifrons graecus* CHV., MCH.& LYN., 1972

Bayramiç (Kazdağı M.-Ayazma): 450 m., 1 ♀, 09.6.1997.

*S. latifrons latifrons* Ols. was reported previously from the Caucasian region of Turkey without mention of its exact locality (7-9). This study reports *S. latifrons graecus* as a new subspecies for the fauna of Turkey. This subspecies was reported before from Greece, which is the only reported site in the Palaearctic region for it (7, 10). There was no substantial morphological difference between that subspecies described by Chvala et al. (1972) and this subspecies.

In *S. latifrons graecus*, frons distinctly broader than in the nominate form. Frontal callus very large and rectangular with less convex upper margin. In addition, not so pointed mesally (Figures 16, 17). Antennal

segment 1 about four times as long as deep and segment 2 distinctly longer than deep. But segment 1 three times as long as deep and segment 2 as long as deep in nominate form. Thorax, legs and abdomen as in the nominate form (7).

CHRYSOPS MEIGEN, 1803

6. *Chrysops (s. str.) caecutiens* (LINNAEUS, 1761)

Çanakkale (Kepez V.) (3); Eceabat (Behramlı V.) (6);

Biga (Katrancı V.): 100 m., 1 ♀, 6.6.1997; Bayramiç (Evciler T.): 400 m., 1 ♀, 22.7.1997; Çanakkale (Kumkale V.): 10 m., 2 ♀♀, 08.6.1997; Ezine: 100 m., 1 ♀, 10.6.1997; Yenice (Çınarcık V.): 350 m., 1 ♂, 23.7.1997; Yenice (Suuçtu V.): 300 m., 2 ♀♀, 18.05.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 1 ♀, 10.6.1997; 2 ♀♀, 21.7.1997.

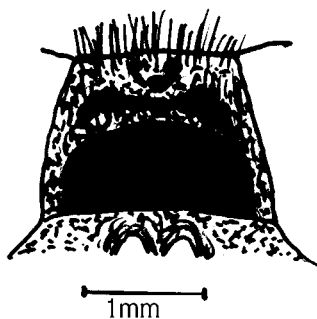
7. *Chrysops (s.str.) flavipes* MEIGEN, 1804

Çanakkale (Kocaçay River) (3);

Çan (Etili T.): 200 m., 3 ♀♀, 09.6.1997; Yenice (Suuçtu V.): 300 m., 1 ♀, 10.6.1997.

8. *Chrysops (Heterochrysops) italicus* MEIGEN, 1804Sin. *nigriventris* (*Chrysops*) LOEW, 1856as *italica* (*Chrysops*)

Çanakkale (2).

Figure 16. Frons of *S. latifrons latifrons* (♀) (From Chvala et al., 1972)Figure 17. Frons of *S. latifrons graecus* (♀)**SUBFAMILY: TABANINAE**

Tribe: Tabanini

ATYLOTUS OSTEN &amp; SACKEN, 1876

9. *Atylotus flavoguttatus* (SZILADY, 1915)

Biga (Hacıköy V.): 50 m., 8 ♀♀, 1 ♂, 6.6.1997.

10. *Atylotus loewianus* (VILLENEUE, 1920)

Ezine (Beyeli V.): 100 m., 1 ♀, 10.6.1997; Biga (Ovacık V.): 40 m., 1 ♀, 23.7.1997; Çan (Samateli V.): 180 m., 1 ♀, 23.7.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 1 ♀, 11.6.1997; Yenice (Kalkım T.): 250 m., 1 ♀, 11.6.1997; Yenice (Suuçtu V.): 300 m., 1 ♀, 11.6.1997.

HYBOMITRA ENDERLEIN, 1922

11. *Hybomitra caucasi* (SZILADY, 1923)

Gelibolu (Cevizli V.) (6).

12. *Hybomitra ciureai* (SEGUY, 1937)  
syn. *shineri* (*Hybomitra*) LYNEBORG, 1959  
Çanakkale (Dörtyol V.): 10 m., 4 ♀♀, 08.6.1997.
13. *Hybomitra expollicata* (PANDELLE, 1883)  
Çanakkale (Gökçeada Island) Parvu & Giray (1984).  
TABANUS LINNAEUS, 1758
14. *Tabanus autumnalis autumnalis* LINNAEUS 1761  
Gelibolu (Cevizli V.) (6);  
Biga (Hacıköy V.): 50 m., 5 ♀♀, 6.6.1997; Ezine (Beyeli V.): 100 m., 1 ♀, 10.6.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 1 ♀, 24.7.1997; Yenice (Kalkım T.): 250 m., 1 ♀, 24.7.1997.
15. *Tabanus bifarius* LOEW, 1858  
syn. *longicornis* (*Dasytabia*) (ENDERLEIN, 1932)  
syn. *tauricus* (*Dasytabia*) (ENDERLEIN, 1932)  
*Tabanus bifarius simovae* LECLERCQ, 1959  
Eceabat (Büyükanafartalar V.), Gelibolu (Cevizli V.) (6);  
Biga (Çelikkörü V.): 50 m., 1 ♂, 6.6.1997; Biga (Hacıköy V.): 50 m.: 22 ♀♀, 6.6.1997; Biga (Katrancı V.): 100 m., 18 ♀♀, 1 ♂, 6.6.1997; Lapseki (Umurbey T.): 50 m., 2 ♀♀, 6.6.1997; Çanakkale (Dörtyol V.): 10 m., 6 ♀♀, 08.6.1997; Çan (Etili T.): 200 m., 3 ♀♀, 09.6.1997; Çanakkale (Kirazlı V.): 400 m., 8 ♀♀, 09.6.1997; Çanakkale (Kumkale V.): 10 m., 2 ♀♀, 08.6.1997; Bayramiç (Kızılköy V.): 300 m., 21 ♀♀, 09.6.1997; Bayramiç (Kazdağı-Ayazma): 450 m., 7 ♀♀, 09.6.1997; Ezine (Beyeli V.): 100 m., 10 ♀♀, 10.6.1997; Ezine: 100 m., 2 ♀♀, 10.6.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 2 ♀♀, 11.6.1997; Yenice (Kalkım T.): 250 m., 2 ♀♀, 11.6.1997; Yenice (Suuçtu V.): 300 m., 3 ♀♀, 11.6.1997.
16. *Tabanus briani* LECLERCQ, 1962  
Bayramiç (Kızılköy V.): 300 m., 2 ♀♀, 09.6.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 1 ♀, 21.7.1997; Yenice (Kalkım T.): 250 m., 1 ♀, 21.7.1997.
17. *Tabanus bromius* LINNAEUS, 1761  
*Tabanus bromius bromius* LINNAEUS, 1761  
*Tabanus bromius flavofemoratus* STROBL 1909  
syn. *anthophilus* (*Tabanus*) LOEW, 1858  
Eceabat, Gelibolu (6);  
Ayvacık: 50 m., 2 ♀♀, 10.7.1997; Biga (Çelikkörü V.): 50 m. 2 ♀♀, 6.6.1997; Biga (Hacıköy V.) 50 m.: 3 ♀♀, 6.6.1997; Ezine: 100 m., 2 ♀♀, 10.7.1997; Ezine (Beyeli V.): 100 m., 1 ♀, 10.7.1997; Bayramiç (Kazdağı M.-Ayazma): 500 m., 3 ♀♀, 22.7.1997; Bayramiç (Evciler T.): 400 m., 2 ♀♀, 22.7.1997; Çan (Derenti V.): 180 m., 3 ♀♀, 23.7.1997; Çan (Etili T.): 200 m., 3 ♀♀, 23.7.1997; Çan (Samateli V.): 180 m., 2 ♀♀, 23.7.1997; Çanakkale (Dörtyol V.): 10 m., 2 ♀♀, 08.6.1997; Çanakkale (Kirazlı V.): 100 m., 2 ♀♀, 8.6.1997; Çanakkale (Kumkale V.): 10 m., 1 ♀, 08.6.1997; Lapseki: 20 m. 1 ♀, 6.6.1997; Lapseki (Umurbey T.): 50 m., 3 ♀♀, 6.6.1997; Yenice (Çınarcık V.): 350 m., 4 ♀♀, 23.7.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 3 ♀♀, 21.7.1997; 1 ♀, 27.8.1997; Yenice (Kalkım T.): 250 m., 2 ♀♀, 21.7.1997; 2 ♀♀, 27.8.1997; Yenice (Suuçtu V.): 300 m., 1 ♀, 21.7.1997; 1 ♀, 27.8.1997.
18. *Tabanus cuculus* SZILADY, 1923  
Gelibolu (6);  
Biga (Katrancı V.): 100 m., 1 ♀, 6.6.1997; Bayramiç (Evciler T.): 400 m., 1 ♀, 22.7.1997.
19. *Tabanus eggeri* SCHINERI, 1868  
Bayramiç (Kazdağı M.-Ayazma): 500 m., 1 ♀, 22.7.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 1 ♀, 27.8.1997.
20. *Tabanus exclusus* PANDELLE, 1883  
Eceabat (Büyükanafartalar V.), Gelibolu (Tayfur V.) (6);  
Ayvacık (Çalitepe V.): 400 m., 1 ♀, 22.7.1997; Bayramiç (Kazdağı M.-Ayazma): 500 m., 4 ♀♀, 22.7.1997; Yenice (Çınarcık V.): 350 m., 4 ♀♀, 23.7.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 2 ♀♀, 21.7.1997; 1 ♀, 27.8.1997; Yenice (Kalkım T.): 250 m., 1 ♀, 21.7.1997; Yenice (Suuçtu V.): 300 m., 1 ♀, 21.7.1997.
21. *Tabanus fraseri* AUSTEN, 1925  
Çanakkale (3);  
Yenice (Kazdağı M.-Hanlar R.): 350 m., 2 ♀♀, 21.7.1997.
22. *Tabanus glaucopis* MEIGEN, 1936  
syn. *ferrugineus* (*Tabanus*) MEIGEN, 1804

Bayramiç (Türkmeneli V.): 70 m., 1 ♀, 22.7.1997; Ezine: 100 m., 22.7.1997, 1 ♀, 22.7.1997; Bayramiç (Kazdağı M.-Ayazma): 500 m., 19 ♀♀, 22.7.1997; Bayramiç (Evciler T.): 400 m., 8 ♀♀, 22.7.1997; Yenice (Çınarcık V.): 350 m., 3 ♀♀, 23.7.1997; Yenice (Kalkım T.): 250 m., 1 ♀, 27.8.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 2 ♀♀, 21.7.1997; 1 ♀, 27.8.1997.

23. *Tabanus indrae* HAUSER, 1939

Bayramiç (Kazdağı M.-Ayazma): 500 m., 1 ♀, 22.7.1997; Bayramiç (Evciler T.): 400 m., 2 ♀♀, 22.7.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 2 ♀♀, 21.7.1997.

24. *Tabanus leleani* AUSTEN, 1920

Çanakkale (2); Gelibolu (Cevizli V.) (6);

Bayramiç (Türkmeneli V.): 70 m., 1 ♀, 22.7.1997; Ezine: 100 m., 1 ♀, 22.7.1997;

25. *Tabanus lunatus* FABRICIUS, 1794

Çanakkale (2); Eceabat (Büyükanaftalar V.) (6);

Çanakkale (Dört Yol V.): 10 m., 2 ♀♀, 08.6.1997; Çanakkale (Kirazlı V.): 400 m., 1 ♀, 09.6.1997; Çanakkale (Kumkale V.): 10 m., 2 ♀♀, 08.6.1997; Bayramiç (Kızılköy V.): 300 m., 3 ♀♀, 09.6.1997; Ezine (Beyeli V.): 100 m., 3 ♀♀, 10.6.1997; Ayvacık (Çalitepe V.): 400 m., 1 ♀, 22.7.1997; Bayramiç (Kazdağı M.-Ayazma): 500 m., 6 ♀♀, 22.7.1997; 2 ♀♀, 27.8.1997; Bayramiç (Evciler T.): 400 m., 27 ♀♀, 22.7.1997; Biga (Çelikköy V.): 50 m., 2 ♀♀, 6.6.1997; Biga (Hacıköy V.): 50 m., 50 m., 1 ♀, 6.6.1997; Lapseki (Umurbey): 20 m., 1 ♀, 6.6.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 2 ♀♀, 11.6.1997; Yenice (Kalkım T.): 250 m., 1 ♀, 11.6.1997; Yenice (Suuçtu V.): 300 m., 1 ♀, 9.8.1996; 1 ♀, 27.8.1997.

26. *Tabanus maculicornis* ZETTERSTEDT, 1842

Gelibolu (Tayfur V.) (6).

27. *Tabanus miki* BRAUER, 1880

Çanakkale (Kumkale V.): 30m., 1 ♀, 21.7.1997; Bayramiç (Kızılköy V.): 300 m., 1 ♀, 09.6.1997; Ezine: 100 m., 1 ♀, 10.7.1997; Bayramiç (Evciler T.): 400 m., 2 ♀♀, 22.7.1997; Çan (Samateli V.): 180 m., 1 ♀, 23.7.1997; Çan (Derenti V.): 180 m., 2 ♀♀, 23.7.1997; Yenice (Çınarcık V.): 350 m., 1 ♀, 23.7.1997; Yenice (Kalkım T.): 250 m., 1 ♀, 27.8.1997.

28. *Tabanus obsolescens* PANDELLE, 1883

Yenice (Kazdağı M.-Hanlar R.): 350 m., 2 ♀♀, 10.8.1996; 1 ♀, 27.8.1997.

29. *Tabanus oppugnator* AUSTEN, 1925

Çanakkale (3);

Biga (Katrancı V.): V.100 m., 1♀, 6.6.1997; Bayramiç (Kızılköy V.): 300 m., 3 ♀♀, 09.6.1997.

30. *Tabanus paradoxus* JAENNICKE, 1866

Bayramiç (Kazdağı-Ayazma): 450 m., 1 ♀, 09.6.1997.

31. *Tabanus portschinskii* OLSUFJEV, 1937

Bayramiç (Kazdağı M.-Ayazma): 500 m., 1 ♀, 22.7.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 2 ♀♀, 21.7.1997.

32. *Tabanus prometheus* SZILADY, 1923

syn. *eggeri prometheus* (*Tabanus*) SZILADY, 1923

syn. *tinctus prometheus* (*Tabanus*) SZILADY, 1923

Bayramiç (Kazdağı M.-Ayazma): 500 m., 1 ♀, 22.7.1997; Yenice (Çınarcık V.): 350 m., 1 ♀, 23.7.1997.

33. *Tabanus quatuornotatus* MEIGEN, 1820

syn. *labaumeanus* (*Dasytabia*) (ENDERLEIN, 1925)

Lapseki (Umurbey T.): 50 m., 1 ♀, 6.6.1997; Çanakkale (Kirazlı V.): 400 m., 1 ♀, 09.6.1997; Bayramiç (Kızılköy V.): 300 m., 1 ♀, 09.6.1997.

34. *Tabanus regularis* JAENNICKE, 1866

*Tabanus regularis regularis* JAENNICKE, 1866

*Tabanus regularis rufus* SZILADY 1923

Çanakkale (6).

Bayramiç (Kazdağı M.-Ayazma): 500 m., 1 ♀, 22.7.1997; Bayramiç (Evciler T.): 400 m., 1 ♀, 22.7.1997; Çan (Samateli V.): 180 m., 1 ♀, 23.7.1997; Çan (Derenti V.): 180 m., 1 ♀♀, 23.7.1997; Yenice (Suuçtu V.): 300 m., 1 ♀, 27.8.1997.

35. *Tabanus rousselii* MACQUART, 1838

Çanakkale (3).

36. *Tabanus rupium* BRAUER, 1880

Biga (Katrancı V.): 100 m., 2 ♀♀, 6.6.1997; Bayramiç (Kazdağı M.-Ayazma): 450 m., 2 ♀♀, 09.6.1997;

37. *Tabanus shannonellus* KRÖBER, 1936

Gelibolu (Tayfur V.) (6).

38. *Tabanus spectabilis* LOEW, 1858

Çanakkale (3).

39. *Tabanus spodopterus* MEIGEN, 1820

*Tabanus spodopterus ponticus* OLS., MCH., CHV., 1967

Eceabat (Behramlı V., Büyükanafartalar V.), Gelibolu (Tayfur V.) (6);

Çanakkale (Kumkale V.) 30 m., 1 ♀, 21.7.1997; Bayramiç (Evciler T.): 400 m., 1 ♀, 22.7.1997; Çan: 100 m., 1 ♀, 23.7.1997; Çan (Karakadılar V.): 150 m., 1 ♀, 23.7.1997; Çan (Samateli V.): 180 m., 1 ♀, 23.7.1997; Çan (Derenti V.): 180 m., 1 ♀, 23.7.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 2 ♀♀, 10.8.1996; 2 ♀♀, 27.8.1997.

40. *Tabanus tinctus* WALKER, 1850

syn. *mixtus* (*Tabanus*) SZILADY, 1914;

Çanakkale (Truva Ruin) (4);

Ayvacık (Çalırtepe V.): 400 m., 2 ♀♀, 22.7.1997; Bayramiç (Evciler T.): 400 m., 4 ♀♀, 22.7.1997; Yenice (Çınarcık V.): 350 m., 1 ♀, 23.7.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 2 ♀♀, 21.7.1997; Yenice (Kalkım T.): 350 m., 1 ♀, 21.7.1997;

41. *Tabanus unifasciatus* LOEW, 1858

syn. *albescens* (*Tabanus*) KRÖBER, 1928

Eceabat (Behramlı V.), Gelibolu (Cevizli V.) (6);

Çanakkale (İntepe V.): 30 m., 1 ♀, 7.6.1997; Bayramiç (Kızılköy V.): 300 m., 1 ♀, 09.6.1997; Bayramiç (Kazdağı M.-Ayazma): 450 m., 1 ♀, 09.6.1997; Biga (Balıklıçeşme V.): 10m., 1 ♀, 6.6.1997; Biga (Hacıköy V.): 50m., 1 ♀, 6.6.1997; Ezine (Çınarköy V.): 50 m., 1 ♀, 9.6.1997; Lapseki: 20 m., 1 ♀, 6.6.1997; Yenice (Suuçtu V.): 300 m., 1 ♀, 18.5.1997.

Tribe: Haematopotini

HAEMATOPOTA MEIGEN, 1803

42. *Haematopota bigoti* GOBERT, 1881

Gelibolu (Cevizli V.) (6);

Biga (Hacıköy V.): 50 m., 1 ♀, 6.6.1997; Lapseki (Umurbey T.): 50 m., 1 ♀, 6.6.1997.

43. *Haematopota crassicornis* WAHLBERG, 1848

Gelibolu (Cevizli V.) (6);

Biga (Hacıpehlivanlı V.): 50 m., 1 ♂, 23.7.1997; Yenice (Suuçtu V.): 300 m., 1 ♀, 18.5.1997.

44. *Haematopota grandis* MACQUART, 1834

syn. *fraseri* (*Haematopota*) AUSTEN, 1925

Çanakkale (Kepez V.) (3);

Çanakkale (Dörttyol V.): 10 m., 1 ♀, 08.6.1997;

45. *Haematopota italica* MEIGEN, 1804

syn. *gallica* (*Haematopota*) SZILADY, 1923

Biga (Hacıpehlivanlı V.): 50 m., 1 ♀, 23.7.1997;

46. *Haematopota latebricola* AUSTEN, 1925

Çanakkale (3).

47. *Haematopota longeantennata* OLSUFJEV, 1937

Lapseki (Umurbey T.): 50 m., 1 ♀, 6.6.1997; Yenice (Suuçtu V.): 300 m., 1 ♀, 18.5.1997.

48. *Haematopota ocelligera* KRÖBER, 1922

syn. *belligera* (*Haematopota*) AUSTEN, 1925

syn. *hispanica* (*Haematopota*) SZILADY, 1923

Çanakkale (3);

Biga (Çelikgörü V.): 50 m., 1 ♀, 6.6.1997; Biga (Hacıpehlivanlı V.): 50 m., 1 ♀, 23.7.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 1 ♀, 10.6.1997; Yenice (Kalkım T.): 250 m., 1 ♀, 10.6.1997; Yenice (Suuçtu V.): 300 m., 1 ♀, 18.5.1997.

Tribe: Diachlorini

DASYRHAMPHIS ENDERLEIN, 1922

49. *Dasyrhamphis ater* (ROSSI), 1970

syn. *ater* (*Tabanus*) (AUSTEN, 1925)

Çanakkale (3).

50. *Dasyrhamphis umbrinus* (MEIGEN, 1820)

syn. *umbrinus* (*Tabanus*) MEIGEN, 1820

syn. *umbrinus* (*Efflatounanus*) MEIGEN, 1820

Çanakkale (3); Lapseki (5); Gelibolu (Cevizli V.) (6);

Ayvacık (B.Kestanelik V.): 50 m., 3 ♀♀, 9.6.1997; Biga (Çelikgörü V.): 10 m., 1 ♀, 6.6.1997; Biga (Hacıköy V.): 50 m., 50 ♀♀, 6.6.1997; Biga (Katrancı V.): 100 m., 9 ♀♀, 1 ♂, 6.6.1997; Lapseki (Umurbey B.): 50



m., 8 ♀♀, 6.6.1997; Çanakkale (Dört Yol V.): 10 m., 26 ♀♀, 08.6.1997; Çanakkale (İntepe V.) 30 m., 1 ♀, 7.6.1997; Çan (Etili B.): 200 m., 11 ♀♀, 09.6.1997; Bayramiç (Kızılköy V.): 300 m., 6 ♀♀, 09.6.1997; Ezine (Beyeli V.): 100 m., 4 ♀♀, 10.6.1997; Lapseki (Şahinler V.): 50 m., 1 ♀, 6.6.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 2 ♀♀, 11.6.1997; Yenice (Kalkım T.): 250 m., 3 ♀♀, 12.6.1997; Yenice (Suuçtu V.): 300 m., 2 ♀♀, 11.6.1997.

PHILIPOMYIA OLSUFJEV, 1964

51. *Philipomyia aprica* (MEIGEN, 1820)

syn. *graecus apricus* (*Tabanus*) MEIGEN, 1820

syn. *graecus graecus* (*Tabanus*) FABRICIUS, 1794

Lapseki (Umurbey B.): 50 m., 1 ♀, 6.6.1997; Yenice (Kazdağı M.-Hanlar R.): 350 m., 1 ♀, 11.6.1997; Yenice (Kalkım T.): 250 m., 1 ♀, 11.6.1997; Yenice (Suuçtu V.): 300 m., 1 ♀, 11.6.1997.

52. *Philipomyia graeca* (FABRICIUS, 1794)

Ezine (Beyeli V.): 100 m., 2 ♀♀, 10.6.1997.

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