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WATER BEETLES (COLEOPTERA: GYRINIDAE, NOTERIDAE, DYTISCIDAE) OF THE FOREST-STEPPE OF KEMEROVO REGION

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Summary. An annotated list of 58 species of the family Dytiscidae, 2 species of Noteridae and 6 species of Gyrinidae from the forest-steppe of Kemerovo region in Russia is given. *Oreodytes natrix* (Sharp, 1884) is recorded for the territory of Siberia for the first time and three species, *Colymbetes dahuricus* Aube, 1837, *Nebrioporus airumulus* (Kolenati, 1845) and *Laccophilus poecilus* Klug, 1834, are new for Western Siberia.

Key words: Coleoptera, Adephaga, fauna, new records, Siberia, Russia.

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Резюме. Приводится аннотированный список 58 видов семейства Dytiscidae, 2 видов семейства Noteridae и 6 видов семейства Gyrinidae лесостепи Кемеровской области. *Oreodytes natrix* (Sharp, 1884) впервые указан для Сибири. *Colymbetes dahuricus* Aube, 1837, *Nebrioporus airumulus* (Kolenati, 1845), *Laccophilus poecilus* Klug, 1834) впервые приводятся для фауны Западной Сибири.

INTRODUCTION

The flat territory of the Kemerovo region is located in the forest-steppe zone, which is divided into 4 geobotanical areas: the Northern forest-steppe, the Tisul-Berchikul forest-steppe, the Insko-Tomsk forest-steppe and the Central forest-steppe region of the Kuznetsk depression. The forest-steppe of the Kemerovo region is divided by Kuznetsk Alatau Mountains into the Barzass taiga region and the Northern taiga region (Kuminova, 1949). The hydrographic network is formed by the Tom and Kiya rivers, as well as numerous small rivers, floodplain lakes and swamps. Such a diversity of reservoirs creates conditions for the variety of water beetles with different ecological requirements.

The suborder Adephaga is represented in Russia by four families and 346 species, namely Gyrinidae (20 species), Haliplidae (33), Noteridae (4), Dytiscidae (289 species) (Kirejtschuk & Gramma, 2001; Petrov, 2004; Sazhnev, 2010; Litovkin, 2014; Berlov, 2016). Studies of water beetles of the south of Western Siberia are sparse (Ilyushchenkov, 2006). There are data

for the Urals and Western Siberia as a whole, of which it is known that the Adephaga beetles includes there 182 species (Petrov, 2004). However the territory of Kemerovo region has been not investigated in this respect. Since Haliplidae beetles of Kemerovo region were recently treated (Budaev, 2016; Budaev *et al.*, 2018), we focus the current contribution on three remaining families.

MATERIAL AND METHODS

Beetles were collected in the forest-steppe of the Kemerovo region in the Kemerovo, Promyshlennovskiy, Leninsk-Kuznetsk, Krapivino, Topki, Tyazhin and Chebula municipal districts. Specimen sampling was done by using a water net in a different water column among aquatic vegetation, as well as on the surface of the water, underwater mowing and manual harvesting.

Specimen identification was done using available keys (Kirejtshuk, 2001; Ryndevich & Tsinkevich, 2004). Herein used taxonomy follows the Catalogue of Palearctic Coleoptera (Catalogue..., 2017). The distribution of species is given according to literary data (Kirejtshuk, 2001; Prokin *et al.*, 2002; Catalogue..., 2017).

Specimens were deposited in the collections of Papanin Institute for Biology of Inland Waters RAS (Borok, Russia), Institute of Systematics and Ecology of Animals SB RAS (Novosibirsk), Kemerovo State University (Kemerovo) and in private collections of D.A. Efimov and A.V. Korshunov (Kemerovo).

Some of the collecting localities are given in abbreviated form:

Azhendarovo – Kuznetzk depression, Krapivino district, 8 km SSW of Saltymakovo village, the «Azhendarovo research biological Station» of Kemerovo State University and its vicinity, 54°45' N, 87°01' E;

Shestakovo – Chebula district, Shestakovo village, 55°54'13" N, 87°57'15" E;

Krasnoye – Kemerovo City, Krasnoye Lake, 55°21'50" N, 86°08'55" E;

Gorodok – Kemerovo district, Starochervovo village, Eco-Museum Reserve «Tyulbersky gorodok», 55°06'29" N, 86°19'55" E;

Starochervovo – Kemerovo district, Starochervovo village, 55°10' N, 86°22' E;

Podgornoye – Leninsk-Kuznetzk district, 2 km from Podgornoye village, 54°28'10" N, 86°00'26" E;

Elykaevo – Kemerovo district, Elykaevo village, 55°18'25" N, 86°15'43" E;

Mozzhukha – Kemerovo district, Mozhukha village, 55°25' N, 85°56' E.

Additionally some frequently mentioned names of the collectors are abbreviated as follows: F.A. Budaev (FB), D.A. Efimov (DE), V.K. Zinchenko (VZ), A.V. Korshunov (AK).

LIST OF SPECIES

Family Gyrinidae Latreille, 1810

Subfamily Gyrinae Latreille, 1810

Gyrinus (Gyrinulus) minutus Fabricius, 1798

MATERIAL. Mozhukha, 23.VIII 2002, 2 ex. (AK); Krasnoye, 24.IX 2013, 2 ex. (FB); Starochervovo, 22.VI 2015, 2 ex. (FB); Kemerovo, 9.IX 2015, 10 ex. (FB); Leninsk-Kuznetzk distr., Inya River, 03.V 2016, 2 ex. (FB); Elykaevo, 21.V 2016, 1 ex. (FB); Kemerovo, 55°21'61" N, 87°13'66" E, 26.V 2016, 1 ex. (FB); Chebula distr., Kurakovo vill., lake, 55°46'57" N, 87°51'01" E, 5.VII 2016, 5 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia, the South of the Far East), Europe (excluding South), Transcaucasia, Kazakhstan, Central Asia, Mongolia, Northeast China, North America.

***Gyrinus (Gyrinus) marinus* Gyllenhal, 1808**

MATERIAL. Azhendarovo, 24.VII 2009, 1 ex. (AK), 28.V–3.VI 2014, 10 ex. (FB); Chelubula distr., Kurakovo vill., lake, 55°46'57"N 87°51'01"E, 5.VII 2016, 17.VII 2016, 7 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus, Siberia, Far East), Central Europe, middle of Eastern Europe, Central Asia, Mongolia.

***Gyrinus (Gyrinus) natator* (Linnaeus, 1758)**

MATERIAL. Mozhukha, 4.VII 2002, 2 ex. (AK); Kuznetzk depression, Shabanovo env., 30.VII 2009, 6 ex. (DE); Azhendarovo, 24.VII 2009, 20.VII 2010, 20–28.V 2012, 3 ex. (AK), 21.V 2012, 3 ex. (VZ), 2.V 2014, 28.V–3.VI 2014, 3 ex. (FB), 28.V 2014, 9 ex. (FB), 7.VII 2014, 2 ex. (FB), 5.VII 2015, 3 ex. (FB), 5.VII 2015, 21 ex. (FB); Kemerovo, 3.IX 2013, 6 ex. (FB); Krasnoye, 24.IX 2013, 1 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia), Northern and Middle Europe, China.

***Gyrinus (Gyrinus) opacus* C.R. Sahlberg, 1819**

MATERIAL. Azhendarovo, lake, 13.VII 2015, 9 ex. (FB).

DISTRIBUTION. Russia (the north of the European part, tundra of the Northern Urals and Siberia, the north of the Far East, Kamchatka, the northern Kuril Islands), North Europe, Mongolia, Greenland, North America.

***Gyrinus (Gyrinus) substriatus* Stephens, 1828**

MATERIAL. Elykaevo, 21.V 2016, 2 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus, southern Siberia), Europe, Kazakhstan, North Africa, Asia Minor.

***Orectochilus villosus villosus* (O.F. Müller, 1776)**

MATERIAL. Krapivino distr., 6 km from «Azhendarovo» station, estuary of Bugas River, 26.VII 2008, 2 ex. (DE, AK).

DISTRIBUTION. Russia (European part, Western and Eastern Siberia), Europe, Turkey, Iran, Kyrgyzstan.

Family Noteridae C.G. Thomson, 1860

Subfamily Noterinae C.G. Thomson, 1860

***Noterus clavicornis* (De Geer, 1774)**

MATERIAL. Elykaevo, 21.V 2016, 1 ex. (FB); Promyshlennoye distr., Krasninskoe vill., lake, 12.V 2015, 15.VIII 2017, 3 ex. (FB); Podgornoye, 10.VI 2017, 21.VII 2017, 17.VIII 2017, 15.X 2017, 186 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia), Europe, Asia Minor, Transcaucasia, Northeast China.

***Noterus crassicornis* (O.F. Müller, 1776)**

MATERIAL. Tyazhin distr., left bank of Uryup River near the confluence to Chulym River, 1.VIII 2008, 2 ex. (N. Teplova); Kemerovo, 16.VIII 2009, 2 ex. (DE); Azhendarovo,

Lake, 20.V 2012, 1 ex. (DE), 23.V 2012, 1 ex. (VZ); Krasnoye, 24.IX 2013, 20.IV 2014, 28.V 2016, 15.VIII 2017, 13 ex. (FB); Starochervovo, lakes, 22.VI 2015, 7 ex. (FB); Elykaevo, 21.V 2016, 6 ex. (FB); Podgornoye, 10.VI 2017, 21.VII 2017, 17.VIII 2017, 19 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia), Europe, Kazakhstan, Kyrgyzstan.

Family Dytiscidae Leach, 1815

Subfamily Agabinae C.G. Thomson, 1867

Agabus (Acatodes) clypealis (C.G. Thomson, 1867)

MATERIAL. Gorodok, 15.VII 2016, 24 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia, South of the Far East), North and Middle Europe, North America.

Agabus (Acatodes) congener (Thunberg, 1794)

MATERIAL. Gorodok, 15.VII 2016, 1 ex. (FB); Azhendarovo, 24.VII 2009, 20.VI–20.VII 2010, 2 ex. (AK), 5.VII 2015, 3 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus, Siberia, Far East), Europe, Transcaucasia, Turkey, Kazakhstan, Mongolia, Japan.

Agabus (Acatodes) fuscipennis (Paykull, 1798)

MATERIAL. Azhendarovo, 24.VII 2009, 1 ex. (AK).

DISTRIBUTION. Russia (European part, Siberia, Far East), Europe, Kazakhstan.

Agabus (Acatodes) sturmii (Gyllenhal, 1808)

MATERIAL. Kemerovo distr., Podyakovo vill., at light, 3–10.VII 2007, 1 ex. (AK); Promyshlennoye distr., Krasninskoe vill., 12.V 2015, 2 ex. (FB); Kemerovo, 9.IX 2015, 35 ex. (FB); Kemerovo distr., Zhuravlevo vill., 21.V 2016, 9 ex. (FB); Azhendarovo, 5.VII 2016, 3 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia eastward to Baikal Lake), Europe, Turkey.

Agabus (s. str.) *labiatus* (Brahm, 1790)

MATERIAL. Promyshlennoye distr., Morozovo vill., 22.VI 2012, 2 ex. (DE).

DISTRIBUTION. Russia (European part, Siberia), Europe, Turkey, Kazakhstan.

Agabus (s. str.) *lineatus* (Gebler, 1848)

MATERIAL. Tyazhin district, Kamyshlovka, marsh, 10.VI 2015, 1 ex. (DE).

DISTRIBUTION. Russia (European part, Siberia), Moldova, Ukraine, Kazakhstan, Mongolia.

Agabus (Gaurodytes) affinis (Paykull, 1798)

MATERIAL. Krapivino distr., Bannovo env., 55°07'N 86°42'E, 14.V 2017, 1 ex. (DE).

DISTRIBUTION. Russia (European part, Siberia, Far East), Europe, Japan (Hokkaido).

Agabus (Gaurodytes) unguicularis (C.G. Thomson, 1867)

MATERIAL. Kemerovo distr., Elykaevo road, 55°18'43"N 086°15.76' E, 21.V 2016, 3 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia), Europe.

***Ilybius ater* (De Geer, 1774)**

MATERIAL. Leninsk-Kuznetzk distr., Demyanovka vill., 10–17.VII 2005, 1 ex.; Krapivino distr., 6 km from «Azhendarovo» station, estuary of Bugas River, 10-30.VII 2008, 1 ex. (AK); Azhendarovo, 3.VII 2015, 5.VII 2015, 13.VII 2015, 11 ex. (FB), 5.VII 2016, 3 ex. (FB); Shestakovo, 19.VII 2014, 2 ex. (FB); Gorodok, marsh, 15.VII 2016, 1 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus, Siberia), Europe, Transcaucasia.

***Ilybius balkei* Fery et Nilsson, 1993**

MATERIAL. Azhendarovo, pond, 5.VII 2015, 2 ex. (FB).

DISTRIBUTION. Russia (Western and Eastern Siberia, Far East).

***Ilybius crassus* C.G.Thomson, 1856**

MATERIAL. Azhendarovo, apiary, 21.V 2012, 1 ex. (VZ).

DISTRIBUTION. Russia (European part, Western Siberia), Europe.

***Ilybius erichsoni* (Gemminge et Harold, 1868)**

MATERIAL. Azhendarovo, 28.V.-03.VI 2014, 3.VII 2015, 5.VII 2015, 18 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia, Far East), Europe, Kazakhstan, Iran, Mongolia, Japan, North America.

***Ilybius fenestratus* (Fabricius, 1781)**

MATERIAL. Promyshlennoye distr., Morozovo vill., 22.VI 2012, 1 ex. (DE); Azhendarovo, 28.V–3.VI 2014, 1 ex. (FB).

DISTRIBUTION. Russia (European part, Western and Eastern Siberia), Europe.

***Ilybius fuliginosus* (Fabricius, 1792)**

MATERIAL. Leninsk-Kuznetzk distr., Demyanovka vill., 10–17.VII 2005, 2 ex.; Moz-zhukha, 9.VI 2013, 1 ex. (DE); Azhendarovo, 24.VII 2009, 20–28.V 2012, 8 ex. (AK), apiary, 21.V 2012, 2 ex. (VZ), Tom river, 7.VII 2014, 5.VII 2015, 3 ex. (FB); Promyshlennoye distr., Krasninskoe vill., lake, 12.V 2015, 1 ex. (FB); Kemerovo, 9.IX 2015, 5 ex. (FB); Shestakovo, Kiya River, 19.VII 2014, 19–20.VII 2016, 18 ex. (FB); Chebula distr., Mikhaylovka vill., 55°54'44" N 87°56'34" E, 12.VII 2016, 1 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus, Western Siberia), Europe, North Africa, Turkey, Iran, Kazakhstan, Mongolia.

***Ilybius neglectus* (Erichson, 1837)**

MATERIAL. Gorodok, 15.VII 2016, 2 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia), Europe.

***Ilybius subaeneus* Erichson, 1837**

MATERIAL. Shestakovo, 19.VII 2014, 2 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus, Siberia), Europe, Transcaucasia, Kazakhstan, Mongolia, North America.

***Ilybius subtilis* (Erichson, 1837)**

MATERIAL. Azhendarovo, 23–26.VIII 2008, 1 ex. (N.Teplova), 24.VII 2009, 1 ex. (AK), 3.VII 2015, 2 ex. (FB); Kemerovo distr., Podyakovo vill., 9.VII 2015, 1 ex. (DE); Topki distr., Topki, 55°17'06" N 85°40'01" E, 28.V 2016, 2 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia, Far East), Europe.

***Platambus maculatus* (Linnaeus, 1758)**

MATERIAL. Kemerovo distr., env. of Podyakovo, 14.VII 1983, 17.VII 1984, 6.VII 1991, 5 ex. (S. Rusakov, N. Rytenkov), 9.VII 2015, 3 ex. (DE); Topki distr., Razdolye, 14.VIII 2007, 1 ex. (A. Teplov); Azhendarovo, 10–30.VII 2008, 1 ex. (AK).

DISTRIBUTION. Russia (European part, Western Siberia), Europe, Turkey, Iran, Mongolia.

Subfamily Colymbetinae Erichson, 1837

***Colymbetes dahuricus* Aube, 1837**

MATERIAL. Leninsk-Kuznetzk distr., Demyanovka, 10-17.VII 2005, 1 ex.

DISTRIBUTION. Russia (Eastern Siberia, Far East), Mongolia.

REMARK. This species is recorded from Western Siberia for the first time.

***Colymbetes dolabratus* (Paykull, 1798)**

MATERIAL. Azhendarovo, 3–5.VII 2015, 11 ex. (FB); Promyshlennoye distr., Krasninskoe vill., lake, 12.V 2015, 2 ex. (FB); Starochervovo, 7.IX 2015, 4 ex. (FB); Elykaevo, 21.V 2016, 1 ex. (FB); Podgornoye, 10.VI 2017, 21.VII 2017, 7.IX 2017, 12.X 2017, 6 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia, Far East), North Europe, North America.

***Colymbetes paykulli* Erichson, 1837**

MATERIAL. Kemerovo distr., env. of Podyakovo vill., at light, 3–10.VII 2007, 1 ex. (AK); Azhendarovo, 10–20.VIII 2010, 1 ex. (A.Kostyunin), 5.VII 2015, 13.VII 2015, 2 ex. (FB); Kemerovo, 30.V 2016, 1 ex. (FB); Kemerovo, 23.IV 2018, 1 ex. (FB); Topki district, Zarubino vill., 55°25'01" N 85°32'37" E, 6.VI 2018, 1 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia), Europe, Kazakhstan.

***Colymbetes striatus* (Linnaeus, 1758)**

MATERIAL. Kemerovo distr., env. of Podyakovo vill., at light, 3–10.VII 2007, 6 ex. (DE, AK), 8.VII 2007, 1 ex. (S.Golomzin).

DISTRIBUTION. Russia (European part, Western and Eastern Siberia), Europe.

***Rhantus* (s. str.) *bistriatus* (Bergsträsser, 1777)**

MATERIAL. Shestakovo, 19.VII 2014, 15 ex. (FB); Promyshlennoye distr., Krasninskoe vill., lake, 12.V 2015, 4 ex. (FB); Azhendarovo, lake, 3.VII 2015, 1 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia), Europe, Turkmenistan.

***Rhantus exsoletus* (Forster, 1771)**

MATERIAL. Azhendarovo, 28.V–3.VI 2014, 1 ex. (FB), 23.V 2012, 1 ex. (VZ); Shestakovo, 14.VII 2016, 19-20.VII 2016, 14 ex. (FB); Starochervovo, 22.VI 2015, 2 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia), Europe, Turkmenistan.

***Rhantus frontalis* (Marsham, 1802)**

MATERIAL. Kemerovo distr., env. of Podyakovo vill., at light, 6–7.VII 2007, 3 ex. (DE), 7.VII 2007, 10.VII 2007, 2 ex. (S. Slinkina); Krapivinsky, 25.VII 2007, 1 ex. (T. Platonova); Topki distr., Razdolye, 14.VIII 2007, 1 ex. (N.Teplova); Azhendarovo, 21–23.V 2011, 3 ex. (AK), 28.V–3.VI 2014, 03.VII 2015, 6 ex. (FB); Shestakovo, 19.VI 2014, 4 ex. (FB); Promyshlennoye distr., Krasninskoe vill., lake, 12.V 2015, 62 ex. (FB); Elykaevo, 21.V 2016, 16 ex. (FB); Krasnoye, 28.V 2016, 1 ex. (FB); Shestakovo, 14.VII 2016, 2 ex. (FB); Gorodok, 15.VII 2016, 1 ex. (FB); Podgornoye, 10.VI 2017, 3 ex. (FB); Topki distr., Zarubino vill., 55°25'01" N 85°32'37" E, 6.VI 2018, 3 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus, Siberia eastward to Yenisey River), Europe, Turkey, Ciscaucasia, Kazakhstan, Mongolia.

***Rhantus latitans* Sharp, 1882**

MATERIAL. Leninsk-Kuznetzk distr., Mirny vill., 20.VII 2003, 1 ex. (L.Podgornova).

DISTRIBUTION. Russia (European part, Siberia), Europe, Kazakhstan.

***Rhantus suturalis* (W.S. Macleay, 1825)**

MATERIAL. Shestakovo, Kiya River, 19.VII 2014, 1 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus, Siberia, Far East), Europe, Transcaucasia, Kazakhstan, Central Asia, southern Asia, Australia, New Zealand, New Caledonia.

Subfamily Dytiscinae Leach, 1815

***Acilius* (s. str.) *canaliculatus* (Nicolai, 1822)**

MATERIAL. Leninsk-Kuznetzk distr., Chesnokovo vill., 24.VII 2000, 1 ex. (N. Pugina); Leninsk-Kuznetzk distr., Demyanovka vill., 10–17.VII 2005, 7 ex.; Azhendarovo, VIII 2009, 1 ex. (N. Teplova), 20–28.V 2012, 1 ex. (AK), 28.V 2014, 3.VII 2015, 5.VII 2015, 12 ex. (FB), apiary, 21.V 2012, 1 ex. (VZ); Krasnoye, 24.IX 2013, 1 ex. (FB); Starochervovo, 7.IX 2015, 2 ex. (FB); Elykaevo, 21.V 2016, 1 ex. (FB); Shestakovo, 20.VII 2016, 4 ex. (FB); Podgornoye, 21.VII 2017, 2 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia, Far East), Europe, Kazakhstan, North-east China.

***Acilius* (s. str.) *sulcatus* (Linnaeus, 1758)**

MATERIAL. Kemerovo distr., Burenichevo, 13.VII 1994, 1 ex. (A.Kuzminykh); Mozzhukha, 10–20.VI 2000, 1 ex. (AK); Leninsk-Kuznetzk distr., Demyanovka vill., 10–17.VII 2005, 4 ex.; Azhendarovo, 5.VII 2015, 6 ex. (FB); Gorodok, 15.VII 2016, 2 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus, Siberia, Far East), Europe, Asia Minor, Ciscaucasia, Kazakhstan.

***Graphoderus zonatus verrucifer* (C.R. Sahlberg, 1824)**

MATERIAL. Promyshlennoye distr., Morozovo vill., 22.VI 2012, 1 ex. (DE).

DISTRIBUTION. Russia (European part, Caucasus, Siberia, Far East), North and Central Europe, Mongolia.

***Dytiscus circumcinctus* Ahrens, 1811**

MATERIAL. Kemerovo, at light, 1.VI 1998, 1 ex. (AK); Kemerovo distr., Podyakovo vill., at light, 3–10.VII 2007, 1 ex. (AK); Azhendarovo, 10–20.VII 2010, 1 ex. (A. Kostyunin); same locality, lake, 13.VII 2015, 1 ex. (FB); Shestakovo, 19.VII 2014, 14.VII 2016, 20.VII 2016, 9 ex. (FB); Kemerovo, 12.V 2015, 1 ex. (FB); Starochervovo, 7.IX 2015, 4 ex. (FB), 27.X 2018, 1 ex. (FB); Elykaevo, 21.V 2016, 1 ex. (FB); Krasnoye, 28.V 2016, 1 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus, Siberia, Far East), Europe, Ciscaucasia, North America.

***Dytiscus marginalis* Linnaeus, 1758**

MATERIAL. Azhendarovo, 10.VII 1997, 1 ex. (E.Serebrova)

DISTRIBUTION. Russia (European part, Siberia), Europe, Turkey, Kazakhstan.

***Hydaticus (Hydaticus) aruspex* Clark, 1864**

MATERIAL. Topki distr., Razdolye vill., 14.VIII 2007, 1 ex. (N. Teplova); Kemerovo distr., Tebenkovka vill., 26.VIII 2018, 2 ex. (A. Klyueva).

DISTRIBUTION. Russia (European part, Siberia, Far East), Europe, Japan, North America.

Subfamily Hydroporinae Aubé, 1836

***Hydroglyphus geminus* (Fabricius, 1792)**

MATERIAL. Azhendarovo, 10–30.VII 2008, 24.VII 2009, 2 ex. (AK), 28.V–3.VI 2014, 1 ex. (FB).

DISTRIBUTION. Widespread in Palaearctic.

***Nebrioporus airumilus* (Kolenati, 1845)**

MATERIAL. Leninsk-Kuznetzk distr., env. of Shabanovo, 25.VII 2014, 3 ex. (DE).

DISTRIBUTION. Russia (European part, Caucasus, Eastern Siberia), East Europe, Middle Asia, China.

REMARKS. This species is recorded from Western Siberia for the first time.

***Nebrioporus depressus* (Fabricius, 1775)**

MATERIAL. Vicinity of «Azhendarovo», estuary of Bugas, 10–30.VII 2008, 1 ex. (AK); Azhendarovo, 7.VII 2014, 1 ex. (FB); Chebula distr., Mikhaylovka vill., 55°54'44" N 87°56'34" E, 12.VII 2016, 11 ex. (FB); Shestakovo, 20.VII 2016, 5 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus, Siberia), Europe, Canada.

***Oreodytes natrix* (Sharp, 1884)**

MATERIAL. Yashkino distr., Pacha vill., beach of Tom River, 19.VII 2001, 1 ex. (DE); Kemerovo distr., Smolino vill., Tom River, 26.VII 2005, 1 ex. (AK); vicinity of «Azhendarovo», estuary of Bugas, 10–30.VII 2008, 1 ex. (AK); Kemerovo reg., Kuznetsk Alatau Nature Reserve, Verkhnyaya Ters' guarding point, 54°10' N 88°07' E, 12.VII 2009, 1 ex. (AK).

DISTRIBUTION. Russian Far East, North Korea, Japan.

REMARKS. This species previously was known in Russia from Primorskii krai only. Here it is recorded from Siberia for the first time.

***Hydroporus angustatus* Sturm, 1835**

MATERIAL. Krasnoye, 20.IV 2014, 1 ex. (FB); Azhendarovo, 28.V–3.VI 2014, 14 ex. (FB); Elykaevo, 21.V 2016, 1 ex. (FB); Krapivino distr., env. of Sarapki vill., Unga River, 55°04' N 86°24' E, 14.V 2017, 1 ex. (DE).

DISTRIBUTION. Russia (European part, Caucasus, Siberia), Europe, Kazakhstan.

***Hydroporus dorsalis* (Fabricius, 1787)**

MATERIAL. Azhendarovo, 28.V–3.VI 2014, 1 ex. (FB)

DISTRIBUTION. Russia (European part, Western Siberia), Europe.

***Hydroporus figuratus* (Gyllenhal, 1826)**

MATERIAL. Azhendarovo, 24.VII 2009, 1 ex. (AK)

DISTRIBUTION. Russia (European part, Siberia), Europe.

***Hydroporus fuscipennis* Schaum, 1867**

MATERIAL. Kemerovo distr., Elykaevo road, 55°18'43' N 86°15.76' E, 21.V 2016, 1 ex. (FB); Kemerovo, 09.IX 2015, 1 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia, Far East), Europe, Japan, North America.

***Hydroporus memnonius* Nicolai, 1822**

MATERIAL. Shestakovo, 19.VII 2014, 2 ex. (FB)

DISTRIBUTION. Russia (European part, Siberia, Far East), Europe, North Africa, Caucasus, Ciscaucasia.

***Hydroporus palustris* (Linnaeus, 1760)**

MATERIAL. Mozhukha, 9.VI 2013, 2 ex. (DE); Azhendarovo, 24.VII 2009, 1 ex. (AK), 28.V–3.VI 2014, 5.VII 2015, 28 ex. (FB); Kemerovo distr., Podyakovo vill., 9.VII 2015, 1 ex. (DE); Kemerovo distr., Zhuravlevo vill., 55°08.1' N 086°20.1' E, 21.V 2016, 4 ex. (FB); Shestakovo, 14.VII 2016, 2 ex. (FB)

DISTRIBUTION. Russia (European part, Siberia), Europe, Turkey, Caucasus, Ciscaucasia, Iran.

***Hydroporus striola* (Gyllenhal, 1826)**

MATERIAL. Azhendarovo, 24.VII 2009, 1 ex. (AK); Krasnoye, 21.V 2017, 1 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia), Europe, Canada.

***Hydroporus tristis* (Paykull, 1798)**

MATERIAL. Azhendarovo, Tom River, 24.VII 2009, 1 ex. (AK); Kemerovo, 16.VIII 2009, 1 ex. (DE).

DISTRIBUTION. Russia (European part, Siberia), Europe, Japan, North America.

***Porhydrus lineatus* (Fabricius, 1775)**

MATERIAL. Azhendarovo, 7.VII 2014, 3 ex. (FB); Shestakovo, 16.VII 2015, 1 ex. (FB); Starochervovo, lake, 7.IX 2015, 9 ex. (FB)

DISTRIBUTION. Russia (European part, Western Siberia), Europe, Caucasus, North Iran.

***Hygrotus (Coelambus) enneagrammus* (Ahrens, 1833)**

MATERIAL. Kemerovo, at light, 1.VI 1998, 1 ex. (AK); Kemerovo distr., Elykaevo road, 55°18.43' N 86°15.76' E, 21.V 2016, 2 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus, Siberia), Europe, Western Kazakhstan, Central Asia.

***Hygrotus (Coelambus) impressopunctatus* (Schaller, 1783)**

MATERIAL. Kemerovo, at light, 1.VI 1998, 1 ex. (AK); Kemerovo distr., Podyakovo vill., forest, at lamp, 3–10.VII 2007, 1 ex. (AK); Leninsk-Kuznetzk distr., env. of Shabanovo, 25.VII 2014, 1 ex. (DE); Shestakovo, 19.VII 2014, 20.VII 2016, 6 ex. (FB); Azhendarovo, 28.V 2014, 3–5.VII 2015, 5 ex. (FB), 23.V 2012, 1 ex. (VZ), 24.VII 2009, 1 ex. (AK); Kemerovo, 14.V 2015, 5 ex. (FB); Promyshlennoye distr., Krasninskoe vill., lake, 12.V 2015, 3 ex. (FB); Elykaevo, 21.V 2016, 2 ex. (FB); Gorodok, 15.VII 2016, 1 ex. (FB); Krasnoye, 28.V 2016, 25.VII 2017, 2 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus Siberia, Far East), Europe, Kazakhstan, Mongolia, China, Korea, Japan, North America.

Hygrotus (Coelambus) flaviventris (Motschulsky, 1859)

MATERIAL. Elykaevo, 21.V 2016, 2 ex. (FB).

DISTRIBUTION. Russia (South of European part, Western Siberia), North Kazakhstan.

Hygrotus (Coelambus) parallellogrammus (Ahrens, 1812)

MATERIAL. Promyshlennaya distr., 3 km S of Pushkino vill., 30.VII 2009, 1 ex. (DE).

DISTRIBUTION. Russia (European part, Siberia), Europe, North Africa, Caucasus, Kazakhstan.

Hygrotus (s. str.) decoratus (Gyllenhal, 1810)

MATERIAL. Kemerovo distr., Elykaevo road, 55°18.43' N 86°15.7' E, 21.V 2016, 1 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia, Far East), Europe.

Hygrotus (s. str.) inaequalis (Fabricius, 1777)

MATERIAL. Kemerovo, at light, 1.VI 1998, 1 ex. (AK); Promyshlennaya distr., env. of Zhuravlevo, lake, 23.VII 2008, 1 ex. (N. Teplova); Promyshlennaya distr., 3 km S of Pushkino vill., 30.VII 2009, 2 ex. (DE); Azhendarovo, 28.V–3.VI 2014, 3.VII 2015, 5.VII 2015, 3 ex. (FB); Leninsk-Kuznetzk distr., env. of Shabanovo, 25.VII 2014, 1 ex. (DE); Shestakovo, 16.VII 2015, 2 ex. (FB); Starochervovo, 07.IX 2015, 1 ex. (FB); Krasnoye, 28.V 2016, 1 ex. (FB); Gorodok, 15.VII 2016, 1 ex. (FB); Podgornoye, 15.VIII 2017, 4 ex. (FB).

DISTRIBUTION. Widespread in Palaearctic.

Hygrotus (s. str.) quinquelineatus (Zetterstedt, 1828)

MATERIAL. Chebula distr., Mikhaylovka, 12.VII 2016, 25 ex. (FB); Gorodok, 15.VII 2016, 1 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia, Far East), Europe, Kazakhstan, Tajikistan, Mongolia, Northeast China.

Hygrotus (s. str.) versicolor (Schaller, 1783)

MATERIAL. Azhendarovo, 7.VII 2014, 5 ex. (FB); Gorodok, 15.VII 2016, 1 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus, Western Siberia), Europe, Transcaucasia, Iran.

Hyphydrus ovatus (Linnaeus, 1760)

MATERIAL. Starochervovo, 19.IV 2014, 22.VI 2015, 12 ex. (FB); Azhendarovo, 13.VII 2015, 5 ex. (FB); Shestakovo, 14.VII 2016, 2 ex. (FB); Chebula distr., Kurakovo vill., 55°46'57" N 87°51'01" E, 17.VII 2016, 8 ex. (FB); Krasnoye, 25.VII 2017, 15.VIII 2017, 13 ex. (FB).

DISTRIBUTION. Russia (European part, Caucasus, Siberia), Europe, Turkey, Kazakhstan.

Subfamily Laccophilinae Gistel, 1848

Laccophilus hyalinus (De Geer, 1774)

MATERIAL. Azhendarovo, 24.VII 2009, 1 ex. (AK); Krapivino distr., Taradanovo vill., river, 54°45'N 86°40'E, 13.VIII 2017, 1 ex. (DE).

DISTRIBUTION. Russia (European part, Siberia), Europe, North Africa, Middle East, Turkey, Iran.

***Laccophilus minutus* (Linnaeus, 1758)**

MATERIAL. Krasnoye, 24.IX 2013, 20.IV 2014, 15.VIII 2016, 7 ex. (FB); Azhendarovo, 28.V–3.VI 2014, 4 ex. (FB), 23.V 2012, 1 ex. (VZ); Shestakovo, 19.VII 2014, 9 ex. (FB); Promyshlennaya distr., Krasninskoye vill., 12.V 2015, 2 ex. (FB); Starochervovo, 22.VI 2015, 7.IX 2015, 7 ex. (FB); Elykaevo, 21.V 2016, 1 ex. (FB); Gorodok, 1.VII 2016, 1 ex. (FB); Podgornoye, 17.VIII 2017, 2 ex. (FB); Kemerovo distr., Marutchak, 16.VI 2018, 11 ex. (FB).

DISTRIBUTION. Russia (European part, Siberia, Far East), Europe, Transcaucasia, Kazakhstan, Central Asia, partly enters the Oriental region.

***Laccophilus poecilus* Klug, 1834**

MATERIAL. Azhendarovo, 28.V–3.VI 2014, 1 ex. (FB).

DISTRIBUTION. Widespread in Palaearctic.

REMARKS. This species is recorded for Western Siberia for the first time.

CONCLUSION

Thus, two species of the family Noteridae, six species of the family Gyrinidae and 58 species of the family Dytiscidae are recorded from the forest-steppe of the Kemerovo region. *Oreodytes natrix* (Sharp, 1884) is recorded for the territory of Siberia for the first time and three species (*Colymbetes dahuricus* Aube, 1837, *Nebrioporus airumilus* (Kolenati, 1845) and *Laccophilus poecilus* Klug, 1834) are new for Western Siberia.

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