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NEW RECORDS ON LEPIDOPTERA (INSECTA) OF NAKHODKIN YAR GULCH (LUHANSK REGION, UKRAINE)

Дем'яненко, С. О. Нові знахідки лускокрилих (Insecta: Lepidoptera) в балці Находкін Яр (Луганська область, Україна). *Вісті Харківського ентомологічного товариства*. 2022. Т. XXX, вип. 1–2. С. 18–24. DOI: 10.36016/KhESG-2022-30-1-2-4.

Наведено список нових знахідок лускокрилих у балці Находкін Яр. Список містить 211 нових для балки Находкін Яр видів, з яких два види (*Ypsolopha trichonella* (Mann, 1861) і *Heliothela wulfeniana* (Scopoli, 1763)) уперше вказані для території Луганської області. Загалом у балці Находкін Яр відмічено 364 види Lepidoptera. 2 рис., 2 таб., 14 назв.

Ключові слова: Lepidoptera, лускокрилі, фауна, степ, балка Находкін Яр, Луганська область.

Demyanenko, S. O. New records of Lepidoptera (Insecta) of Nakhodkin Yar gulch (Luhansk Region, Ukraine). *The Kharkov Entomological Society Gazette*. 2022. Vol. XXX, iss. 1–2. P. 18–24. DOI: 10.36016/KhESG-2022-30-1-2-4.

A list of new records of the butterflies and moths in Nakhodkin Yar gulch is provided. The list includes 211 species registered in Nakhodkin Yar gulch for the first time, of which two species (*Ypsolopha trichonella* (Mann, 1861) and *Heliothela wulfeniana* (Scopoli, 1763)) are firstly recorded for Luhansk Region. Totally, there are 364 species of Lepidoptera registered in Nakhodkin Yar gulch. 2 figs, 2 tabs, 14 refs.

Keywords: Lepidoptera, butterflies and moths, fauna, steppe, gulch Nakhodkin Yar, Luhansk Region.

Демьяненко, С. А. Новые находки чешуекрылых (Insecta: Lepidoptera) в балке Находкин Яр (Луганская область, Украина). *Известия Харьковского энтомологического общества*. 2022. Т. XXX, вып. 1–2. С. 18–24. DOI: DOI: 10.36016/KhESG-2022-30-1-2-4.

Приводится список новых находок чешуекрылых в балке Находкин Яр. Список включает в себя 211 новых для балки Находкин Яр видов, из которых два вида (*Ypsolopha trichonella* (Mann, 1861) и *Heliothela wulfeniana* (Scopoli, 1763)) впервые указаны для Луганской области. Всего в балке Находкин Яр отмечены 364 вида Lepidoptera. 2 рис., 2 таб., 14 назв.

Ключевые слова: Lepidoptera, чешуекрылые, фауна, степь, балка Находкин Яр, Луганская область.

Introduction. Nakhodkin Yar is a steppe gulch with chalk outcrops and ravine forest, located in SW surroundings of Novoaidar area of Luhansk Region (48.94 N, 38.93-98 E). The eastern part of the gulch is a local-rank nature landmark ‘Baranyachi Loby’ (Sheep’s Brows) (Kalinin and Gurskiy, 2011). Previously data on Lepidoptera of Nakhodkin Yar appeared in the publications shown in Table 1 (in some publications this place is indicated as ‘Novoaidar’). Totally, 153 species of Lepidoptera from Nakhodkin Yar were known prior to this work.

Table 1. Publications on Lepidoptera of Nakhodkin Yar gulch

Publications	Number of species by families												
	Coleophoridae	Tortricidae	Papilionidae	Hesperiidae	Pieridae	Lycaenidae	Riodinidae	Nymphalidae	Sphingidae	Geometridae	Notodontidae	Erebidae	Noctuidae
Demyanenko, Severov, Kostjuk, 2011	–	–	–	–	–	–	–	–	–	13	–	–	–
Geryak <i>et al.</i> , 2012	–	–	–	–	–	–	–	–	–	–	1	13	13
Demyanenko, 2012	–	–	–	–	–	–	–	–	2	–	–	–	–
Demyanenko, Geryak, 2012	–	–	4	10	10	23	1	24	–	–	–	–	–
Budashkin, Zhakov, 2013	7	–	–	–	–	–	–	–	–	–	–	–	–
Bidzilya <i>et al.</i> , 2014	–	1	–	–	–	–	–	–	–	–	–	–	–
Geryak <i>et al.</i> , 2015	–	–	–	–	–	–	–	–	–	–	1	4	7
Kavurka <i>et al.</i> , 2018	–	–	4	–	–	1	1	1	1	–	–	1	–
Kavurka, Demyanenko, Budashkin, 2021	–	19	–	–	–	–	–	–	–	–	–	–	–

Materials and methods. This paper is based on the material from the eastern part of Nakhodkin Yar gulch. The material was observed, photographed, and collected by netting during short daytime excursions (2009–2013, 2021), and also by attracting by light of 250 W mercury-vapor lamps on 13.07.2012 (by Demyanenko S. O., Zhakov O. V., and Mushinskiy V. G.) and 25.08.2012 (by Demyanenko S. O. and Glotov S. V.).

Identification of the material was carried out by the authors. Identification by photographs was made only for species with distinct differences in habitus. In difficult cases, identification was made by genitalia prepared by maceration in 8–12% NaOH solution. Identification of mines were made by Ellis (2022) and Lepiforum (2022). Plant names are given by ‘Plants of the World Online’ (POWO, 2022).

The material collected by O. Zhakov and V. Mushinskiy is stored in their research collections, Microlepidoptera are in the collection of the Institute for Evolutionary Ecology of the National Academy of Sciences of Ukraine (Kyiv).

Results. In Table 2 below, all species are new for Nakhodkin Yar, an asterisk (*) indicates a species new for Luhansk Region. The higher system of Lepidoptera follows Nieukerken *et al.* (2011).

Table 2. New species of Lepidoptera of Nakhodkin Yar gulch

Taxon	By light		Daytime data
	13.07.2012	25.07.2012	
Family HEPIALIDAE Stephens, 1829			
<i>Triodia sylvina</i> (Linnaeus, 1761)		common	
Family NEPTICULIDAE Stainton, 1854			
<i>Stigmella basiguttella</i> (Heinemann, 1862)			31.10.2021 — 3 mines on fallen leaves of <i>Quercus</i>
Family ADELIDAE Bruand, 1850			
<i>Nematopogon swammerdamella</i> (Linnaeus, 1758)			10.05.2013 — 1 sp.
Family TISCHERIIDAE Spuler, 1898			
<i>Tischeria ekebladella</i> (Bjerkander, 1795)			31.10.2021 — 1 mine on fallen leaves of <i>Quercus</i>
Family TINEIDAE Latreille, 1810			
<i>Neurothaumasia ankerella</i> (Mann, 1867)	1 sp.		
Family PLUTELLIDAE Guenée, 1845			
<i>Plutella xylostella</i> (Linnaeus, 1758)			31.05.2009, 10.05.2013, 06.06.2013 — 1–10 sp. per day
Family YPSOLOPHIDAE Guenée, 1845			
<i>Ypsolopha horridella</i> (Treitschke, 1835)	1 sp.		
* <i>Ypsolopha trichonella</i> (Mann, 1861) (Fig. 1)		2 sp.	
Family ALUCITIDAE Leach, 1815			
<i>Alucita grammodactyla</i> Zeller, 1841	1 sp.	1 sp.	
Family EPERMENIIDAE Spuler, 1910			
<i>Ochromolopis zagulajevi</i> Budashkin et Satchkov, 1991		1 sp.	
Family OECOPHORIDAE Bruand, 1850			
<i>Pleurota pyropella</i> ([Denis et Schiffermüller], 1775)			11.05.2013 — 1 sp.
<i>Holoscolia huebneri</i> Koçak, 1980			11.06.2009 — common
Family DEPRESSARIIDAE Meyrick, 1883			
<i>Ethmia candidella</i> (Alphéraky, 1908)		1 sp.	
<i>Ethmia bipunctella</i> (Fabricius, 1775)		4 sp.	
Family COSMOPTERIGIDAE Heinemann, 1876			
<i>Panalia leuwenhoekella</i> (Linnaeus, 1761)			14.06.2011 — 1 sp.
<i>Panalia nodosella</i> (Bruand, 1850)			11.05.2009 — 1 ♀
<i>Pyroderces argyrogrammos</i> (Zeller, 1847)		2 sp.	
<i>Eteobalea anonymella</i> (Riedl, 1965)	1 sp.		
Family GELECHIIDAE Stainton, 1854			
<i>Aristotelia subericinella</i> (Duponchel, [1843])		1 sp.	
<i>Dichomeris limosellus</i> (Schläger, 1849)	1 sp.		
Family LIMACODIDAE Duponchel, 1845			
<i>Apoda limacodes</i> (Hufnagel, 1766)	2 sp.		
Family ZYGAENIDAE Latreille, 1809			
<i>Zygaena ephialtes</i> (Linnaeus, 1767)			10.07.2011 — 1 sp., f. <i>trigonellae</i>
Family COSSIDAE Leach, 1815			
<i>Dyspessa salicicola</i> (Eversmann, 1848)			11.06.2009 — 7 sp., 14.06.2011 — 2 sp., all on stems of <i>Allium</i>
<i>Zeuzera pyrina</i> (Linnaeus, 1761)	1 sp.		
Family PYRALIDAE Latreille, 1809			
<i>Synaphe moldavica</i> (Esper, 1794)			14.06.2011 — common
<i>Pyralis regalis</i> ([Denis et Schiffermüller], 1775)	1 sp.	1 sp.	
<i>Aphomia sociella</i> (Linnaeus, 1758)	1 sp.		
<i>Galleria mellonella</i> (Linnaeus, 1758)	1 sp.		
<i>Elegia similella</i> (Zincken, 1818)	1 sp.		
<i>Selagia spadicella</i> (Hübner, 1796)			30.07.2011 — 1 sp.
<i>Etiella zinckenella</i> (Treitschke, 1832)	4 sp.		

Continuation of Table 2

Taxon	By light		Daytime data
	13.07.2012	25.07.2012	
<i>Oncocera semirubella</i> (Scopoli, 1763)	3 sp.	10 sp.	
<i>Laodamia faecella</i> (Zeller, 1839)	1 sp.		
<i>Rhodophaea formosa</i> (Haworth, 1811)	1 sp.		
<i>Hypochoalcia ahenella</i> ([Denis et Schiffermüller], 1775)			30.05.2010 — 5 sp.
<i>Epischmia adultella</i> Zeller, 1848		1 sp.	
<i>Acrobasis tumidana</i> ([Denis et Schiffermüller], 1775)	1 sp.		
<i>Acrobasis advenella</i> (Zincken, 1818)	1 sp.		
<i>Eurhodope rosella</i> (Scopoli, 1763)	2 sp.		
<i>Pterothrixidia rufella</i> (Duponchel, 1836) s.l.		1 sp.	
<i>Isauria dilucidella</i> (Duponchel, 1836)		1 sp.	
<i>Phycitodes lacteella</i> (Rothschild, 1915)		3 sp.	
Family CRAMBIDAE Latreille, 1810			
* <i>Heliothela wulfeniana</i> (Scopoli, 1763) (Fig. 2)			31.05.2009 — 1 sp.
<i>Chilo phragmitella</i> (Hübner, [1810])	1 sp.		
<i>Euchromius ocella</i> (Haworth, 1811)	2 sp.	2 sp.	
<i>Agriphila tristella</i> ([Denis et Schiffermüller], 1775)		5 sp.	
<i>Agriphila inquinatella</i> ([Denis et Schiffermüller], 1775)		2 sp.	
<i>Xanthocrambus saxonellus</i> (Zincken, 1821)	1 sp.		
<i>Thisanotia chrysonuchella</i> (Scopoli, 1763)			16.05.2011 — common, 10.05.2013 — 5 sp.
<i>Pediasia luteella</i> ([Denis et Schiffermüller], 1775)			11.05.2013 — 1 sp.
<i>Acentria ephemerella</i> ([Denis et Schiffermüller], 1775)	3 sp.		
<i>Parapoynx stratiotata</i> (Linnaeus, 1758)		1 sp.	
<i>Cynaeda dentalis</i> ([Denis et Schiffermüller], 1775)		1 sp.	
<i>Atralata albofascialis</i> (Treitschke, 1829)			31.05.2009 — 1 sp.
<i>Evergestis limbata</i> (Linnaeus, 1767)	1 sp.		
<i>Evergestis politalis</i> ([Denis et Schiffermüller], 1775)	1 sp.	1 sp.	10.05.2013 — 1 sp.
<i>Udea languidalis</i> (Eversmann, 1842)	1 sp.		
<i>Patania ruralis</i> (Scopoli, 1763)		1 sp.	18.09.2011 — 5 sp.
<i>Mecyna trinalis</i> ([Denis et Schiffermüller], 1775)	3 sp.		
<i>Diasemia reticularis</i> (Linnaeus, 1761)	1 sp.	1 sp.	
<i>Nomophila noctuella</i> (Denis et Schiffermüller, 1775)			31.05.2009 — 1 sp., 16.05.2011 — 1 sp.
<i>Loxostege sticticalis</i> (Linnaeus, 1761)			30.07.2011, 13.08.2011 and 18.09.2011 — common, 10.05.2013 — 2 sp.
<i>Ecpyrrhorhoe rubiginalis</i> (Hübner, 1796)		1 sp.	
<i>Paracorsia repandalis</i> ([Denis et Schiffermüller], 1775)			13.08.2011 — 1 sp.
<i>Pyrausta sanguinalis</i> (Linnaeus, 1767)	1 sp.	1 sp.	30.05.2010 — 1 sp., 16.05.2011 — 4 sp., 10.05.2013 — 1 sp.
<i>Pyrausta despicata</i> (Scopoli, 1763)	1 sp.	1 sp.	16.05.2011 — 1 sp., 30.04.2012 — 5 sp.
<i>Pyrausta aurata</i> (Scopoli, 1763)			16.05.2011 — 1 sp., 13.08.2011 — 5 sp., 30.04.2012 — 5 sp., 10.05.2013 — 1 sp.
<i>Pyrausta rectefascialis</i> Toll, 1936	1 sp.		
<i>Sitochroa verticalis</i> (Linnaeus, 1758)			13.08.2011 — 2 sp.
<i>Anania verbascalis</i> ([Denis et Schiffermüller], 1775)	1 sp.		
<i>Anania coronata</i> (Hufnagel, 1767)	1 sp.		
Family DREPANIDAE Boisduval, 1828			
<i>Thyatira batis</i> (Linnaeus, 1758)	1 sp.		
<i>Watsonalla binaria</i> (Hufnagel, 1767)		1 sp.	
<i>Cilix glaucata</i> (Scopoli, 1763)		1 sp.	
Family GEOMETRIDAE Leach, 1815			
<i>Idaea ochrata</i> (Scopoli, 1763)	1 sp.		
<i>Idaea muricata</i> (Hufnagel, 1767)	1 sp.		
<i>Idaea rusticata</i> ([Denis et Schiffermüller], 1775)	1 sp.		
<i>Idaea aversata</i> (Linnaeus, 1758)	1 sp.		
<i>Idaea straminata</i> (Borkhausen, 1794)		1 sp.	
<i>Scopula immorata</i> (Linnaeus, 1758)	1 sp.		
<i>Scopula nigropunctata</i> (Hufnagel, 1767)	1 sp.		
<i>Scopula decorata</i> ([Denis et Schiffermüller], 1775)		3 sp.	
<i>Scopula rubiginata</i> (Hufnagel, 1767)	1 sp.	1 sp.	
<i>Scopula marginepunctata</i> (Goeze, 1781)	1 sp.		
<i>Scopula immistaria</i> (Herrich-Schäffer, [1852])	2 sp.		
<i>Rhodostrophia vibicaria</i> (Clerck, 1759)		1 sp.	
<i>Cyclophora albiocellaria</i> (Hübner, 1789)	1 sp.	1 sp.	
<i>Cyclophora annularia</i> (Fabricius, 1775)	1 sp.		

Continuation of Table 2

Taxon	By light		Daytime data
	13.07.2012	25.07.2012	
<i>Timandra comae</i> Schmidt, 1931	1 sp.	1 sp.	13.08.2011 — 2 sp.
<i>Lythria purpuraria</i> (Linnaeus, 1758)		1 sp.	10.07.2011 — 1 sp.
<i>Cataclysmo riguata</i> (Hübner, [1813])			10.05.2013 — 5 sp.
<i>Costaconvexa polygrammata</i> (Borkhausen, 1794)	1 sp.	1 sp.	30.04.2012 — 5 sp., 10.05.2013 — 1 sp.
<i>Catarhoe rubidata</i> ([Denis et Schiffermüller], 1775)	1 sp.		
<i>Euphya biangulata</i> (Haworth, 1809)	1 sp.		
<i>Epirrhoe galiata</i> ([Denis et Schiffermüller], 1775)		2 sp.	
<i>Epirrhoe alternata</i> (Müller, 1764)		1 sp.	
<i>Philereme vetulata</i> ([Denis et Schiffermüller], 1775)			14.06.2011 — 2 sp.
<i>Perizoma bifaciata</i> (Haworth, 1809)		2 sp.	
<i>Eupithecia linariata</i> ([Denis et Schiffermüller], 1775)		1 sp.	
<i>Thalera fimbrialis</i> (Scopoli, 1763)	1 sp.		
<i>Microloxia herbaria</i> (Hübner, [1813])		1 sp.	
<i>Phaiogramma etruscaria</i> (Zeller, 1849)		1 sp.	
<i>Chlorissa viridata</i> (Linnaeus, 1758)			16.05.2011 — 5 sp.
<i>Thetidia smaragdaria</i> (Fabricius, 1787)		1 sp.	
<i>Ligdia adustata</i> ([Denis et Schiffermüller], 1775)		1 sp.	
<i>Ennomos autumnaria</i> (Werneburg, 1859)		1 ♀	
<i>Selenia lunularia</i> (Hubner, 1788)	1 sp.		
<i>Artiora evonymaria</i> ([Denis et Schiffermüller], 1775)		2 sp.	
<i>Crocallis elinguaris</i> (Linnaeus, 1758)	1 sp.	1 sp.	
<i>Eilicrinia cordiaria</i> (Hübner, [1790])	1 sp.		
<i>Eilicrinia trinotata</i> (Metzner, 1845)			30.04.2012 — 1 sp.
<i>Plagodis dolabraria</i> (Linnaeus, 1767)	1 sp.		
<i>Asovia maeoticaria</i> (Alphéraky, 1876)	2 sp.	1 sp.	
<i>Macaria alternata</i> ([Denis et Schiffermüller], 1775)	1 sp.		
<i>Isturgia arenacearia</i> ([Denis et Schiffermüller], 1775)	1 sp.	1 sp.	
<i>Synopsia sociaria</i> (Hübner, [1799])	1 sp.	2 sp.	
<i>Neognopharmia stevenaria</i> (Boisduval, 1840)	1 sp.		
<i>Odontognophos dumetata</i> (Treitschke, 1827)		4 sp.	
<i>Ematurga atomaria</i> (Linnaeus, 1758)	1 sp.		16.05.2011 — 1 ♀; 30.04.2012 — common
<i>Selidosema plumaria</i> ([Denis et Schiffermüller], 1775)		3 sp.	25.08.2012 — 1 sp.
<i>Hypomecis punctinalis</i> (Scopoli, 1763)	1 sp.		
<i>Ectropis crepuscularia</i> ([Denis et Schiffermüller], 1775)	1 sp.		
<i>Lycia hirtaria</i> (Clerck, 1759)			14.06.2011 — 1 larva
Family LASIOCAMPIDAE Harris, 1841			
<i>Eriogaster lanestris</i> (Linnaeus, 1758)			10.05.2013 — silk nest with larvae
<i>Gastropacha quercifolia</i> (Linnaeus, 1758)	5 sp.		
<i>Phylodesma tremulifolia</i> (Hübner, [1810])	3 sp.		
Family SPHINGIDAE Latreille, 1802			
<i>Sphinx ligustri</i> Linnaeus, 1758	1 sp.		
<i>Sphinx pinastri</i> Linnaeus, 1758	1 sp.		
<i>Smerintus ocellata</i> (Linnaeus, 1758)	1 sp.		
<i>Laothoe populi</i> (Linnaeus, 1758)	1 sp.		
<i>Hyles euphorbiae</i> (Linnaeus, 1758)	1 sp.	2 sp.	
<i>Hyles hippophaes</i> (Esper, [1789])	1 sp.		
<i>Hyles gallii</i> (Rottemburg, 1775)	1 sp.		
<i>Deilephila elpenor</i> (Linnaeus, 1758)	1 sp.		
Family NOTODONTIDAE Stephens, 1829			
<i>Pterostoma palpina</i> (Clerck, 1759)	1 sp.		
<i>Phalera bucephala</i> (Linnaeus, 1758)	1 sp.		
<i>Stauropus fagi</i> (Linnaeus, 1758)	1 sp.		
<i>Spatialia argentina</i> ([Denis et Schiffermüller], 1775)	1 sp.		
Family NOLIDAE Bruand, 1847			
<i>Pseudoips prasinana</i> (Linnaeus, 1758)	1 sp.		
Family EREBIDAE Leach, 1815			
<i>Rivula sericealis</i> (Scopoli, 1763)		1 sp.	
<i>Hypena rostralis</i> (Linnaeus, 1758)	4 sp.		
<i>Phragmatobia fuliginosa</i> (Linnaeus, 1758)	1 sp.		
<i>Arctia villica</i> (Linnaeus, 1758)			31.05.2009 — 1 sp., 05.06.2009 — 1 sp.
<i>Euplagia quadripunctaria</i> (Poda, 1761)			31.05.2009 — 1 larva, 30.07.2011 — 1 sp.
<i>Cybosia mesomella</i> (Linnaeus, 1758)			14.06.2011 — 1 sp.
<i>Eilema complanum</i> (Linnaeus, 1758)	1 sp.	1 sp.	

Continuation of Table 2

Taxon	By light		Daytime data
	13.07.2012	25.07.2012	
<i>Paracolax tristalis</i> (Fabricius, 1794)	5 sp.		
<i>Pechipogo strigilata</i> (Linnaeus, 1758)			11.06.2009 — 1 sp.
<i>Zanclognatha lunalis</i> (Scopoli, 1763)	10 sp.		27.06.2009 — common in fallen leaves
<i>Lygephila cracca</i> ([Denis et Schiffermüller], 1775)		2 sp.	
<i>Phytometra viridaria</i> (Clerck, 1759)	1 sp.		
<i>Laspeyria flexula</i> ([Denis et Schiffermüller], 1775)		3 sp.	
<i>Drasteria caucasica</i> (Kolenati, 1846)	2 sp.	10 sp.	
<i>Catocala nupta</i> (Linnaeus, 1767)	1 sp.		
<i>Euclidia glyphica</i> (Linnaeus, 1758)			31.05.2009, 05.06.2009, 30.05.2010, 16.05.2011, 25.05.2011, 10.07.2011, 13.08.2011, 30.04.2012, 14.07.2012, 10.05.2013, 11.05.2013 — 1–20 sp. per day
Family NOCTUIDAE Latreille, 1809			
<i>Abrostola tripartita</i> (Hufnagel, 1766)	5 sp.		
<i>Abrostola asclepiadis</i> ([Denis et Schiffermüller], 1775)	5 sp.		
<i>Abrostola triplasia</i> (Linnaeus, 1758)	3 sp.		
<i>Macdunnoughia confusa</i> (Stephens, 1850)	1 sp.	1 sp.	18.09.2011 — 1 sp.
<i>Diachrysis stenochrysis</i> (Warren, 1913)	1 sp.	1 sp.	
<i>Autographa gamma</i> (Linnaeus, 1758)	1 sp.		31.05.2009, 05.06.2009, 30.05.2010, 10.07.2011, 30.07.2011, 13.08.2011, 18.09.2011, 30.04.2012 — 1–10 sp. per day
<i>Deltote bankiana</i> (Fabricius, 1775)	1 sp.		
<i>Acontia lucida</i> (Hufnagel, 1766)	1 sp.		
<i>Acontia trabealis</i> (Scopoli, 1763)			31.05.2009, 05.06.2009, 27.06.2009 — 1–10 sp. per day
<i>Acronicta rumicis</i> (Linnaeus, 1758)	5 sp.		
<i>Acronicta aceris</i> (Linnaeus, 1758)	20 sp.		
<i>Oxicesta geographica</i> (Fabricius, 1787)	4 sp.	3 sp.	
<i>Craniophora ligustri</i> ([Denis et Schiffermüller], 1775)	1 sp.		
<i>Aegle kaekeritziana</i> (Hübner, [1799])	2 sp.		
<i>Tyta luctuosa</i> ([Denis et Schiffermüller], 1775)	2 sp.		31.05.2009, 05.06.2009, 25.05.2011, 10.05.2013 — 1–3 sp. per day
<i>Calophasia lunula</i> (Hufnagel, 1766)	1 sp.		16.05.2011 — 1 sp.
<i>Amphipyra pyramidea</i> (Linnaeus, 1758)		1 sp.	
<i>Pyrrhia umbra</i> (Hufnagel, 1766)	1 sp.		
<i>Protoschinia scutosa</i> ([Denis et Schiffermüller], 1775)			27.06.2009 — 1 sp.
<i>Heliothis viriplaca</i> (Hufnagel, 1766)	1 sp.		
<i>Helicoverpa armigera</i> (Hübner, [1808])	1 sp.	30 sp.	
<i>Elaphria venustula</i> (Hübner, 1790)	1 sp.		
<i>Caradrina terrea</i> Freyer, [1839]		10 sp.	
<i>Hoplodrina ambigua</i> ([Denis et Schiffermüller], 1775)	1 sp.		
<i>Hoplodrina superstes</i> (Ochsenheimer, 1816)		1 sp.	
<i>Athetis furvula</i> (Hübner, [1808])	1 sp.		
<i>Dypterygia scabriuscula</i> (Linnaeus, 1758)	2 sp.		
<i>Trachea atriplicis</i> (Linnaeus, 1758)	1 sp.		
<i>Cosmia diffinis</i> (Linnaeus, 1767)	1 sp.		
<i>Cosmia trapezina</i> (Linnaeus, 1758)	1 sp.		
<i>Cosmia pyralina</i> ([Denis et Schiffermüller], 1775)		1 sp.	
<i>Eupsilia transversa</i> (Hufnagel, 1766)		1 sp.	
<i>Hydraecia micacea</i> (Esper, 1789)	1 sp.		
<i>Amphipoea fucosa</i> (Freyer, 1830)	1 sp.		
<i>Nonagria typhae</i> (Thunberg, 1784)	1 sp.	1 sp.	
<i>Globia sparganii</i> (Esper, [1790])	2 sp.		
<i>Anarta trifolii</i> (Hufnagel, 1766)	2 sp.	10 sp.	
<i>Lacanobia w-latinum</i> (Hufnagel, 1766)	2 sp.		
<i>Lacanobia oleracea</i> (Linnaeus, 1758)	1 sp.		
<i>Melanchra persicariae</i> (Linnaeus, 1761)	1 sp.		
<i>Hada plebeja</i> (Linnaeus, 1761)	2 sp.		
<i>Sideridis reticulata</i> (Goeze, 1781)	1 sp.		
<i>Hecatera dysodea</i> ([Denis et Schiffermüller], 1775)		1 sp.	
<i>Hecatera cappa</i> (Hübner, [1809])		2 sp.	13.08.2011 — 1 sp. on trunk of <i>Pyrus</i>
<i>Hadena capsincola</i> ([Denis et Schiffermüller], 1775)	1 sp.		
<i>Mythimna conigera</i> ([Denis et Schiffermüller], 1775)	1 sp.		
<i>Mythimna pallens</i> (Linnaeus, 1758)		1 sp.	
<i>Mythimna albipuncta</i> ([Denis et Schiffermüller], 1775)	2 sp.	10 sp.	27.06.2009 — 1 sp.

Continuation of Table 2

Taxon	By light		Daytime data
	13.07.2012	25.07.2012	
<i>Mythimna ferrago</i> (Fabricius, 1787)	1 sp.	6 sp.	
<i>Mythimna l-album</i> (Linnaeus, 1767)		15 sp.	
<i>Agrotis exclamationis</i> (Linnaeus, 1758)	1 sp.	1 sp.	31.06.2009 — 1 sp.
<i>Agrotis segetum</i> ([Denis et Schiffermüller], 1775)	1 sp.		
<i>Agrotis ipsilon</i> (Hufnagel, 1766)		2 sp.	
<i>Noctua fimbriata</i> (Schreber, 1759)		1 sp.	27.06.2009 — 1 sp., 13.08.2011 — 1 sp.
<i>Noctua interposita</i> (Hübner, 1790)		1 sp.	27.06.2009 — common in fallen leaves and roots
<i>Xestia c-nigrum</i> (Linnaeus, 1758)		2 sp.	



Figs. 1–2. Species of Lepidoptera new for Nakhodkin Yar gulch and Luhansk Region: 1 — *Ypsolopha trichonella*, 25.07.2012; 2 — *Heliothela wulfeniana*, 31.05.2009.

Conclusions. According to the results of our research and the literature data, 364 species of Lepidoptera are found in Nakhodkin Yar gulch, 211 of which are given for the first time, and two of which are new for Luhansk Region. Regular attracting by light will definitely increase the number of species at this location.

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