

## Current distribution of *Procyon lotor* in north-western Bohemia, Czech Republic (Carnivora: Procyonidae)

K současnému výskytu mývala severního (*Procyon lotor*) v severozápadních Čechách (Carnivora: Procyonidae)

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**Abstract.** Summary of records of the northern raccoon in north-western Bohemia (Karlovy Vary region and adjacent part of the Ústí nad Labem region) obtained since the year 2000 is presented. According to the collected published and unpublished records and data from hunting reports, raccoon occurrence was confirmed in 16 squares of the KFME mapping grid. This represents an increase of 400 percent, compared to the situation described for a similar region before the year 2009. Number of records and their spatial distribution indicate that the Doupovské hory Mts. represent the core area of raccoon distribution and that the population in north-western Bohemia possibly originates from immigrants coming from Saxony across the Krušné hory (Ore) Mts.

**Key words.** Invasive species, non-native species, Doupovské hory Mts.

## INTRODUCTION

The northern raccoon *Procyon lotor* (Linnaeus, 1758) is a medium-sized omnivorous mammal species native and broadly distributed throughout Central and North America – from Panama to northern Canada (TIMM et al. 2008). Since the 1920s, raccoons were repeatedly introduced to Europe; some of the introductions were intentional with the aim to establish a new fur-bearing species population, while others were accidental escapes of farmed animals (ANDĚRA 2006, TIMM et al. 2008). In the area of the current Czech Republic, the northern raccoon was first recorded in the 1920s and 1930s; however, these records were related only to animals escaped from captivity. The first established population of the raccoon appeared in southern and central Moravia in the second half of the 1990s probably due to the expansion of raccoon population from Austria (ANDĚRA 2006). In the period 1991–2009, occurrence of the northern raccoon was documented in various regions, covering 11% of the area of the Czech Republic. Data collected in this period indicated not only the existence of the Moravian population and ongoing escapes of farmed individuals, but also immigration of individuals from Bavaria and Saxony (ANDĚRA

& ČERVENÝ 2009). Recent occurrence of the raccoon in north-western Bohemia and probable existence of its established population is still little known as only few records were published (BENDA & ŠUTERA 2007, ANDĚRA & ČERVENÝ 2009, MUSILOVÁ et al. 2011). The main aim of our study is to describe current distribution of the northern raccoon in north-western Bohemia and thus to document an ongoing invasion of the species.

## MATERIAL AND METHODS

Our study was limited to the area of the Karlovy Vary region (municipalities of Aš, Cheb, Karlovy Vary, Kraslice, Mariánské Lázně, Ostrov and Sokolov) and an adjacent part of the Ústí nad Labem region (municipalities of Kadaň and Podbořany). Data on the northern raccoon occurrence were obtained by several ways. First, observations of animals, including road kills, hunted individuals and records of footprints were collected mainly by the authors and their co-workers. Second, information from hunting reports was obtained from the above mentioned municipalities; however, these data were less accurate (see below). For a clear and comprehensive arrangement of our summary we also included all published data of the raccoon occurrence in this area since the year 2000.

Order of the localities in the list below follows the numeral code of 11.2×12 km squares of the Central-European KFME mapping grid (SLÁVÍK 1971). The following data are given for each locality: 1 – cadastral area/municipality name (in bold), 2 – more detailed description of the site (if available), 3 – approximate altitude, 4 – date, 5 – description of the record (observation details), 6 – name of observer(s) and/or reference (where appropriate).

Data from hunting reports were treated in a different way as occurrence of the raccoon is often reported from a relatively large area of hunting grounds that sometimes cover more than one square of the mapping grid (in this case we presumed occurrence in all pertinent squares – name of the hunting ground can be reported in more than one square). Moreover, not a precise date of kill but only the hunting season (lasting from 1 April to 31 March of the following year) is known. Regarding this, data from hunting statistics are given in the following form: 1 – numeral code of the square, 2 – name of the hunting ground, 3 – year (e.g. 2012 for the season from 1 April 2012 to 31 March 2013), and 4 – number of hunted individuals. Municipality names follow PRUNER & MÍKA (1996). Altitude values were obtained from the basic map of the Czech Republic 1:10 000 (ZABAGED®).

To assess seasonal activity of the species, all records, if possible, were summarized according to months. Observation or shooting of more individuals on the same date was treated as a single record.

## RESULTS

### Records

5544: **Přísečnice**, Přísečnice water reservoir, 735 m a. s. l., 1 May 2010, footprints, V. TEJROVSKÝ.

5641: **Rotava**, Rotava, 570 m a. s. l., March 2002, observation of 1 ind., municipality of Kraslice (ANDĚRA & ČERVENÝ 2009). – **Stříbrná**, Nancy valley, scout camp, 675 m a. s. l., 13 December 2005, observation of 1 ind., members of the Nancy hunting ground.

5642: **Vysoká Štola**, vicinity of cottage no. 11, ca. 60 m S of the Oldřichovský stream, 645 m a. s. l., November 2009 and September 2011, observation of 1 ind., S. WIESER.

5643: **Bystrice u Hroznětína**, Velký hlubocký pond, 425 m a. s. l., 22 June 2010, footprints, O. BUŠEK. – **Jáchymov**, Graubstein, forest stand no. 19C11, 670 m a. s. l., 17 September 2005, observation of 3 inds. and 1 ind. shot, members of the Klínovec hunting ground (ANDĚRA & ČERVENÝ 2009); – Seidlův pond, 980 m a. s. l., 13 April 2012, footprints and numerous remains of prey, *Rana temporaria*, J. MATĚJŮ, 14 May 2012, footprints, V. TEJROVSKÝ;

5644: **Boč**, road between Boč and Stráž nad Ohří, ca. 1.75 km from Boč, 320 m a. s. l., 14 October 2007 and 28 September 2011, road kills (MUSILOVÁ et al. 2011); 28 May 2010, road kill, V. TEJROVSKÝ; – road

between Boč and Stráž nad Ohří, ca. 1.4 km from Boč, 320 m a. s. l., 27 July 2009, road kill, and 29 August 2009, record from a camera trap (MUSILOVÁ et al. 2011); – road between Boč and Stráž nad Ohří, ca. 500 m from Boč, 315 m a. s. l., 13 October 2011, road kill, R. FIŠER; – road between Boč and Stráž nad Ohří, ca. 150 m from Boč, 315 m a. s. l., 17 August 2010, road kill (MUSILOVÁ et al. 2011); – Boč, valley of the Ohře river, 15 July 2007, road kill, V. TEJROVSKÝ (in BENDA & ŠUTERA 2007). – **Damice**, bank of the Ohře river under railway bridge, 320 m a. s. l., 14 December 2007, numerous footprints, O. BUŠEK (without details published by BENDA & ŠUTERA 2007, ANDĚRA & ČERVENÝ 2009). – **Doupov u Hradiště**, pond ca. 450 m SSE of the gamekeeper's lodge at Korunní Kyselka, 435 m a. s. l., 10 June 2009, footprints, J. MATĚJŮ; – ruins of stables ca. 350 m SSE of the gamekeeper's lodge at Korunní Kyselka, 430 m a. s. l., 24 & 30 July, 26 August, 1 September and 17 September 2009, 7–9 & 12 August 2010, repeated records of 1–3 inds. from a camera trap (MUSILOVÁ et al. 2011); – Korunní Kyselka, vicinity of gamekeeper's lodge, ca. 400 m a. s. l., August 2012, observation of 6 inds. (a female with juveniles), J. SEDLÁČEK; – Kotrův dvůr (Kottershof), ca. 700 m a. s. l., July 2012, 1 ind. shot, J. SEDLÁČEK; – Olešnice, turn-off to Petrov from the road between Jakubov and Toco, 560 m a. s. l., October 2011, 1 ind. shot, R. PALÁNEK; – road between Jakubov and Toco, close to an apiary, 540 m a. s. l., October 2012, observation of 1 ind., R. PALÁNEK. – **Krásný Les**, bank of the Hornohradský stream close to the castle, 435 m a. s. l., 10 August

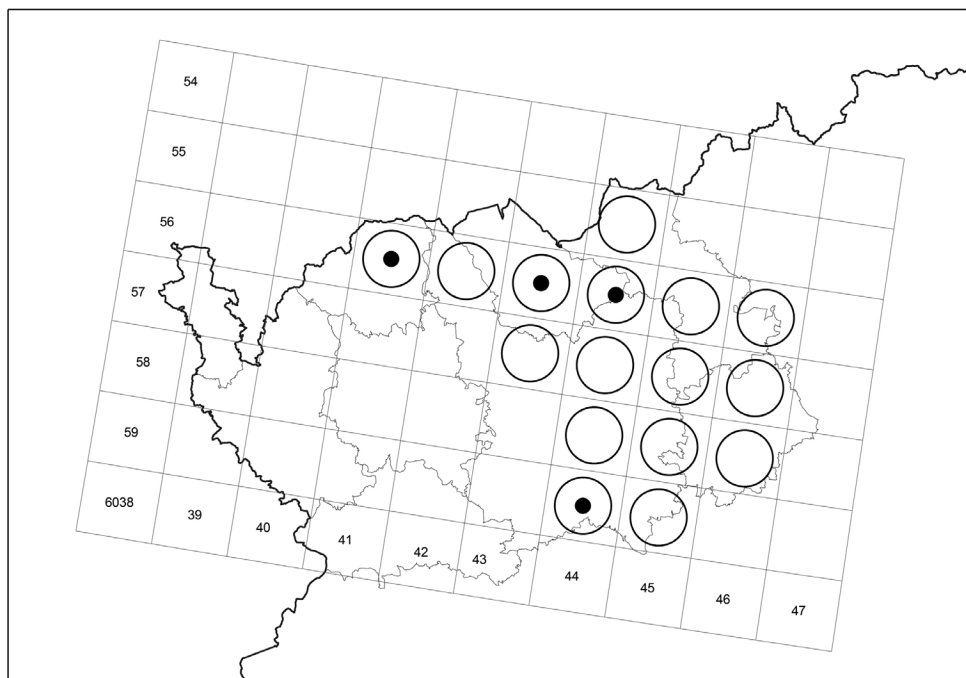


Fig. 1. Occurrence of *Procyon lotor* in north-western Bohemia since 2000 (open circles – present occurrence, black dots – occurrence till ca. 2009 according to ANDĚRA & ČERVENÝ (2009), gray line – border of the Czech Republic and territories of the studied municipalities).

Obr. 1. Výskyt mývala severního (*Procyon lotor*) v severozápadních Čechách po roce 2000 (prázdné kruhy – současný výskyt, černé tečky – výskyt přibližně do roku 2009 dle ANDĚRA & ČERVENÝ (2009), šedá čára – hranice ČR a studovaných správních obvodů).

2009, footprints, J. MATĚJŮ. – **Osvinov**, bank of the Pekelský stream close to a bridge on the road between Osvinov and Stráž nad Ohří, 385 m a. s. l., 26 August 2009, footprints, R. MUSILOVÁ; – Osvinov, vicinity of the house no. 149, 580 m a. s. l., 9 April 2011, observation of 1 ind. (MUSILOVÁ et al. 2011). – **Peklo**, road between Stráž nad Ohří and Boč, close to the turn-off to Býčí Louka, 334 m a. s. l., 12 September 2008, road kill, O. BUŠEK. – **Smilov nad Ohří**, road no. 13 ca. 100 E of the turn-off to Smilov and Malý Hrzín, 400 m a. s. l., 1 May 2008, road kill, V. TEJROVSKÝ; – road no. 13 ca. 400 m NNE of Boč, 360 m a. s. l., 8 June 2012, road kill, V. TEJROVSKÝ. – **Srní u Boče**, Srní, 730 m a. s. l., September 2005, 1 ind. shot, members of the Peklo hunting ground (ANDĚRA & ČERVENÝ 2009). – **Stráž nad Ohří**, bank of the Ohře river next to a football field, 320 m a. s. l., 26 & 28 August 2009, footprints, R. MUSILOVÁ. – **Vojkovice nad Ohří**, Ohře river, vicinity of the military bridge, 330 m a. s. l., 11 February 2012, footprints on ice (ca. -20 °C), O. BUŠEK. – **Žďár u Hradiště**, Havraň hill, ca. 100 m N of the peak, 720 m a. s. l., 26 March 2012, observation of 1 ind., V. TEJROVSKÝ; – Lesná hill, ca. 350 m N of the peak, 745 m a. s. l., 29 April 2010, observation of 1 ind., V. TEJROVSKÝ.

**5645: Mikulovice u Vernéřova**, road no. 13, vicinity of the turn-off to Ciboušov and Jezerní Hora, 350 m a. s. l., 10 October 2010, road kill, V. TEJROVSKÝ. – **Radonice u Kadaně**, Mřetice, vicinity of the lake U šachty, 315 m a. s. l., May 2012, observation of 1 ind., M. JEŽEK. – **Rokle**, Krásný Dvoreček, ca. 600 m N of the village, ca. 360 m a. s. l., March 2012, observation of 2 inds., Z. REIF. – **Rokle**, Krásný Dvoreček, ca. 300 m N of village, ca. 365 m a. s. l., March 2012, 1 ind. shot, Z. REIF. – **Vilémov u Kadaně**, vicinity of railway crossing at the road between Vilémov and Topolanský Dvůr, 306 m a. s. l., October 2012, 1 ind. shot, M. JEŽEK. – **Vinaře u Kadaně**, Vinařský pond, 288 m a. s. l., 3 September 2006, observation of 1 ind., and 3 December 2009, footprints, V. TEJROVSKÝ; – Vinaře, from 500 to 800 m W of the village, ca. 335 m a. s. l., August and September 2012, 1 ind. shot, P. KOTLAN. – **Žďár u Hradiště**, Na Skalce hill (699 m a. s. l.), ca. 400 m E of the peak, 600 m a. s. l., 2012, observation of 1 ind., V. VELÍŠEK.

**5646: Libědice**, ca. 500 m NNE of the pond U Čejkovického mlýna, 270 m a. s. l., October 2012, observation of 1 ind., R. BABULÍK.

**5743: Mořichov**, stream valley, ca. 1 km S of the village, 435 m a. s. l., 19 June and 21 October 2012, 1 ind. shot (latter date – adult male), K. KOŠINÁR. – **Podlesí u Sadova**, Podlesí, kaolin quarry, ca. 430 m a. s. l., 17 June 2012, footprints, O. BUŠEK. – **Sedlečko u Karlových Var**, road between Sedlečko and U Mostu, crossing with power lines, 435 m a. s. l., 21 August 2009, observation of 1 ind., J. MATĚJŮ; – Sedlečko, vicinity of the Písečák pond, ca. 400 E of the village, ca. 465 m a. s. l., April 2011, 1 ind. shot (adult male), J. VALNOHA; – Sedlečko, stream bank, ca. 550 m SW of the village, 470 m a. s. l.; 29 March 2012, footprints, J. MATĚJŮ; – U Mostu, main road close to the bridge over the Ohře river, 360 m a. s. l., September 2010, observation of 1 ind., R. PALÁNEK. – **Šemnice**, Dubina, vicinity of house no. 26, 415 m a. s. l., 2009, 1 ind. shot, J. RITTICH.

**5744: Bražec u Hradiště**, Doupovské Mezilesí, crossing of roads from Mlýnská, Dlouhá and Mezi rybníky, 845 m a. s. l., April 2012, observation of 1 ind., L. NOVOTNÝ; – Horní Lomnice, road in a former village, September 2012, observation of 1 ind., P. PECHMAN; – Hradiště hill, ca. 1 km WNW of the peak, 830 m a. s. l., August 2011, observation of 1 ind., M. JEŽEK; – Lučiny, shooting range, 470 m a. s. l., 31 October 2012, observation of 1 ind., J. ČERVENÝ; – Lučiny, ca. 600 m E of the shooting range, 470 m a. s. l., 31 October 2012, observation of 1 ind., J. ČERVENÝ; – Mlýnská, vicinity of the lower bridge over the Pstružný stream, 515 m a. s. l., 2009, 1 ind. shot, P. RITTICH; – Ověčna and Tišina ponds, road culvert, 805 m a. s. l., 30 March 2012, footprints, J. MATĚJŮ; – Pílská louka, 705 m a. s. l., November 2011 and December 2012, 1 ind. shot, R. JAROŠ; – road from Kyselka to Doupov, ca. 450 SW of the U Střelnice peak, September 2012, observation of 1 ind., M. LEHEČKA; – Stará Ves, area of a former village, ca. 580 m a. s. l., August 2011, footprints, S. DVOŘÁK; – U Fialovny, first sharp bend from Fialovna on the road to Mlýnská, 625 m a. s. l., August 2010, observation of 1 ind., P. RITTICH; – U Fialovny, vicinity of the Pílská and Hrabčcí road crossing, 685 m a. s. l., December 2012, observation of 1 ind. R. JAROŠ; – Větrovec hill, ca. 570 m NNW of the peak, 770 m a. s. l., 20 July 2010, observation of 1 ind., S. DVOŘÁK; – Zakšov, road in a former village, December 2012, observation of 1 ind., P. PECHMAN. – **Doupov u Hradiště**, Na Hřebenu hill (602 m a. s. l.), ca. 300 m E of the peak, 535 m a. s. l., 10 August 2012, photo of 2 inds., A. MASOPUSTOVÁ; – Špičák hill (628 m a. s. l.), ca. 370 m NW of the peak, 575 m a. s. l., October 2012, 1 ind.

shot, P. RITTICH; – Kamenný vrch hill (716 m a. s. l.), vicinity of the peak, 700 m a. s. l., September 2012, observation of 4 juveniles, P. PECHMAN; – Doupov, Nový mlýn (on the road), 510 m a. s. l., September 2012, observation of 1 ind., M. JEŽEK; – Doupov, on the road close to a former railway station, September 2012, observation of 1 ind., R. PALÁNEK. – **Radošov u Hradiště**, Doupov, road to Prachomety (ca. 100 W of the pond), 570 m a. s. l., 17 June 2012, observation of 1 ind., V. MELICHAR; – Doupov, former town square, turn-off to Prachomety, 560 m a. s. l., August 2011, observation of 1 ind., R. PALÁNEK. – **Velichov**, meadow ca. 450 m N of the graveyard, 335 m a. s. l., 10 May 2011, 1 ind. shot, K. KOŠINÁR; – road to Vojkovice, vicinity of the graveyard, 365 m a. s. l., September 2011, observation of 1 ind., R. PALÁNEK. – **Žďár u Hradiště**, Hrázský mlýn, ca. 200 m N of the confluence of the Liboc and Dolinský streams, 484 m a.s.l., 2012, observation of 1 ind., V. VELÍŠEK; – Oleška, turn-off to Oleška from the road between Doupov and Žďár, 490 m a. s. l., October 2010, observation of 1 ind., R. PALÁNEK.

5745: **Dobřeneč**, Dobřenecký pond, 450 m a. s. l., 28 April 2009, footprints, V. TEJROVSKÝ. – **Mašťov**, Stráž hill, ca. 200 m N of the peak, 410 m a. s. l., June 2010, 1 ind. shot, O. FUDALY; – Sedlec water reservoir, 420 m a. s. l., 3 August 2011, footprints, V. TEJROVSKÝ. – **Tureč u Hradiště**, Jedlová hill, ca. 100 m W of the peak, 695 m a. s. l., July 2012, observation of 1 ind., M. JEŽEK; – Mětikalov, ca. 200 m W of the crossroad “Zelený kříž”, 710 m a. s. l., June 2012, observation of 2 ind., Z. MACHÁČEK. – **Žďár u Hradiště**, Doupovské Strážišť hill, ca. 800 m NE of the peak, 555 m a. s. l., May 2012, observation of 1 ind., M. JEŽEK; – Žďár, unpaved road between former Žďár and Růžová villages, ca. 1.2 km E of Žďár, ca. 465 m a.s.l., 17 September 2010, footprints, J. MATĚJŮ.

5844: **Bražec u Hradiště**, Dlouhá, bridge over the Lomnický stream, 760 m a. s. l., August 2012, observation of 1 ind., L. NOVOTNÝ. – **Herstošice**, bank of the Ratibořský stream under the E48 road bridge, 600 m a. s. l., 20 June and 29 October 2009, footprints, J. MATĚJŮ; – Herstošice, E48 road close to a pond, 614 m a. s. l., 16 August 2009, road kill, L. HRBKOVÁ. – **Radošov u Hradiště**, area between Březina and

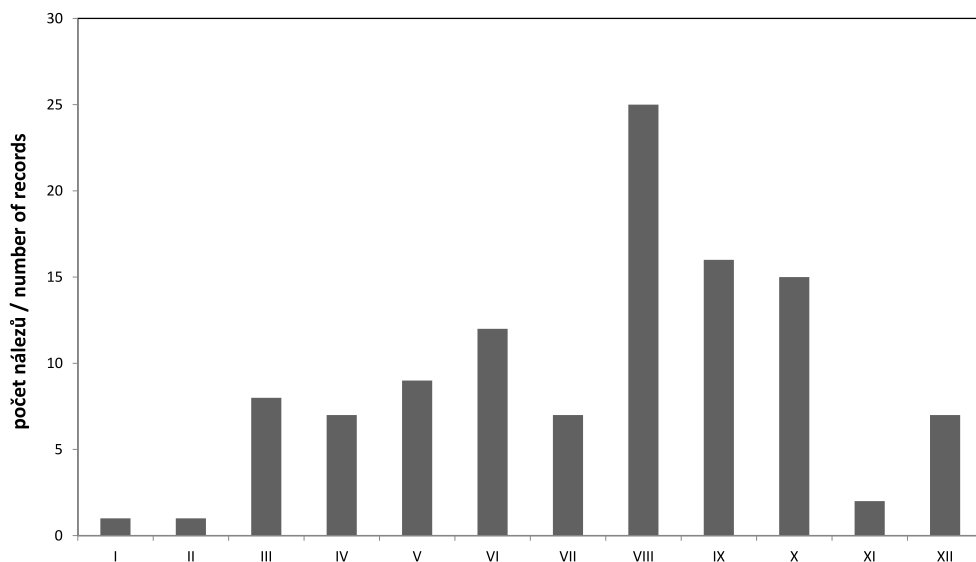


Fig. 2. Seasonal distribution of records of *Procyon lotor* in north-western Bohemia (Roman digits – months of a year).

Obr. 2. Sezónní rozložení záznamů mývala severního (*Procyon lotor*) v severozápadních Čechách (římské číslice – měsíce roku).





Fig. 3. Juveniles of *Procyon lotor* are less vigilant and can be easily approached (10 August 2012, Doupovské hory Mts. photo by A. MASOPUSTOVÁ).

Obr. 3. Mláďata mývala severního (*Procyon lotor*) nebývají příliš plachá a dá se k nim snadno přiblížit (Doupovské hory, 10. srpna 2012, foto A. MASOPUSTOVÁ).

Tis u Luk, 2009–2012, repeated shots, in total 12 inds., R. JAROŠ; – Březina, ca. 200 m N of the village ruins, 740 m a. s. l., December 2012, 1 ind. shot, R. JAROŠ; – Radošov, pond, 685 m a. s. l., March 2012, 1 ind. shot, R. JAROŠ; – Tis u Luk, crossroad close to the Březina shooting range, 700 m a. s. l., August 2010, 5 inds. shot (a female with juveniles), M. LEHEČKA.

5845: **Radošov u Hradiště**, Albeřické ponds, ca. 600 m a. s. l., 19 May 2006 and 19 June 2012, footprints, J. MATĚJŮ. – **Skřípová**, bank of the Luční stream under the E48 road bridge, 542 m a. s. l., 20 June 2009, footprints, J. MATĚJŮ. – **Týniště**, bank of the Velká Trasovka stream under the E48 road bridge, 540 m a. s. l., 20 June 2009, footprints, J. MATĚJŮ. – **Velký Hlavákov**, bank of the Luční stream, 605 m a. s. l., 12 April 2012, footprints, O. BUŠEK; – meadow between Velký Hlavákov and Bělá, ca. 850 m NW of Bělá, 650 m a. s. l., October 2011, 1 ind. shot, R. PALÁNEK. – **Žďárek u Chyší**, vicinity of the road no. 226, ca. 900 m E of the Chyše town, 470 m a. s. l., 15 January 2011, 1 ind. in felled tree, CERMÁN.

5846: **Vroutek**, Kryrský pond, 315 m a. s. l., 19 October 2012, numerous footprints, V. TEJROVSKÝ.

5944: **Borek u Štědré**, bank of the Borecký stream under a bridge ca. 100 m N of the Mlýnský pond, 510 m a. s. l.; 17 March 2012, footprints, V. MELICHAR. – **Semtěš u Žlutic**, somewhere close to the Borecký stream, 520 m a. s. l., 30 May 2005, observation of 1 ind., members of the Pšov hunting ground (ANDĚRA & ČERVENÝ 2009).

## Hunting Statistics Data

5643: **Bor**, 2010: 1 ind., 2011: 2 inds. – **Hroznětín**, 2009: 1 ind. – **Plavno**, 2008: 1 ind. – 5644: **Peklo**, 2006: 1 ind. – **Plavno**, 2008: 1 ind. – 5645: **Radonice**, 2010: 3 inds., 2011: 1 ind. – 5646: **Radonice**, 2010: 3 inds., 2011: 1 ind. – 5743: **Bor**, 2010: 1 ind., 2011: 2 inds. – **Hroznětín**, 2009: 1 ind. – 5744: **Bor**, 2010: 1 ind., 2011: 2 inds. – 5745: **Nepomyšl-Brody**, 2010: 1 ind. – **Radonice**, 2010: 3 inds., 2011: 1 ind. – 5746: **Kryry-Očihov**, 2011: 3 inds. – **Nepomyšl-Brody**, 2010: 1 ind. – **Radonice**, 2010: 3 inds.,

2011: 1 ind. – 5844: **Ratiboř**, 2011: 5 inds. – 5845: **Lubenec**, 2010: 6 inds., 2011: 3 inds. – 5846: **Kryry-Očihov**, 2011: 3 inds. – **Lubenec**, 2010: 6 inds., 2011: 3 inds. – 5944: **Pšov**, 2005: 1 ind. – **Ratiboř**, 2011: 5 inds. – 5945: **Pšov**, 2005: 1 ind.

Hunting reports on the northern racoon occurrence were negative for the municipalities of Aš, Cheb, Kraslice, Mariánské Lázně and Sokolov.

## DISCUSSION

Results of our study confirmed occurrence of the northern racoon in 16 squares of the mapping grid (Fig. 1) in north-western Bohemia since the year 2000. Occurrence in 11 squares is based on both reports from hunting statistics and direct observations, in 3 squares on direct observations and in 2 squares only on reports from hunting statistics. The present number of squares where occurrence of the northern racoon was confirmed represents an increase of 400 percent compared to the situation described for a similar area by ANDĚRA & ČERVENÝ (2009; 4 squares), i.e. in only 3–4 years!

Regarding the number of records and their date we can suppose that the area of the Doupovské hory Mts. (especially squares nos. 5644 and 5744) represents the core area of racoon distribution in the studied region. Moreover, spatial distribution of the records (Fig. 1) indicates that the species population in north-western Bohemia is possibly connected with the population in Saxony and may originate from immigrants coming over the Krušné hory Mts. (see HAUER et al. 2009). By contrast, the westernmost parts of the studied region seem to be spared from the racoon invasion so far, even though recent racoon occurrence documented in Saxony is in close vicinity of the Aš region, for instance (HAUER et al. 2009).

Most of the records of the northern racoon occurrence were made in late summer and early autumn (Fig. 2), which well corresponds with the time when the young become independent from their mothers (LOTZE & ANDERSON 1979, ZEVELOFF 2002). It is possible that young animals are less vigilant and may be easily observed or killed by car or hunters (Fig. 3). Generally less observations in winter months (except December, Fig. 2) in our study is congruent with the species biology. The racoon is not a hibernating species but it restricts its activity during severe winter weather (ZEVELOFF 2002). In this respect, the finding of racoon tracks on ice in mid February, when the night temperatures were around minus 20 °C for a long time, is remarkable. Altitudes of the records vary from 270 m in the Žatec basin to 980 m at the ridge of the Krušné hory Mts.

To conclude, the area of distribution of the northern racoon in north-western Bohemia has been expanding rapidly and the species is now a common part of the local fauna.

## SOUHRN

V práci podáváme přehled údajů o výskytu mývala severního (*Procyon lotor*) na území Karlovarského a přilehlé části Ústeckého kraje po roce 2000. Do přehledu jsme kromě vlastních dat zařadili i informace získané z mysliveckých výkazů o úlovcích a dříve publikovaná data. Celkem se nám podařilo prokázat výskyt mývala severního v 16 čtvercích síťového mapování, což představuje 400% nárůst oproti stavu zjištěnému v témž území do roku 2009. Z geografického rozložení nálezů a jejich četnosti lze soudit, že jádrovým územím výskytu mývala v SZ Čechách je oblast Doupovských hor a že zdrojem zdejší populace byli migrující jedinci ze sousedního Saska, kteří se na naše území dostali přes hřeben Krušných hor. V rámci sezóny byl mýval severní nejčastěji zaznamenáván na konci léta a v začátku podzimu naopak v lednu a únoru byl počet záznamů nejmenší.

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