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# Summary on raptors and owls ringing in Slovakia in the period 2005–2006

## Sumarizácia krúžkovania dravcov a sov na Slovensku v období 2005–2006

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**Slobodník V 2008: Summary on raptors and owls ringing in Slovakia in the period 2005–2006. Slovak Rapt J 2: 113–117.**

**Abstract:** This report provides a summary on raptors and owls ringing in Slovakia in 2005–2006. In 2005, from a total of 21 132 ringed birds, raptors and owls represented 964 ind. (4.5 %). There were 26 species of raptors and owls, which equates 15.5 % of all species recorded. In 2006, there were 29 075 ringed in Slovakia, from this number raptors and owls were represented by 703 ind. (2.4 %) and 23 species (14 %). This paper also contains a summary on the ringing recoveries including data on raptors and owls.

**Abstrakt**: Prekladaná správa predstavuje prehľad o krúžkovaní dravcov a sov na Slovensku za obdobie 2005–2006. V roku 2005 tvorili na Slovensku z okrúžkovaných 21 132 vtákov dravce a sovy 964 ex. (4,5 %). Dravce a sovy (26 druhov) tvorili 15,5 % druhového spektra. V roku 2006 tvorili z okrúžkovaných 29 075 vtákov dravce a sovy 703 ex. (2,4 %) a 23 druhmi tvorili 14 % druhového spektra. V príspevku sa uvádza aj prehľad spätných hlásení s údajmi o dravcoch a sovách.

**Key words**: raptors, ringing, recovery

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This report is a follow-up to the Summary on raptors and owls ringing in Slovakia during 2002–2004 (Slobodník 2007). In 2005, a total of 21 132 birds were ringed in Slovakia, of which 964 ind. (4.5 %) were raptors and owls. The species spectrum included 168 species, of which raptors and owls represented 15.5 % (26 species). A similar ratio was recorded with ringed chicks at the nest. In 2005, 733 chicks raptors and owls were ringed, which represented 17 % from the total number of 4 340 ringed birds.

In 2005, 26 raptor and owl species (17 raptor species and 9 owl species, Tab. 3) were ringed, out of the total of 964 ind. From which 733 individuals were chicks at the nest (76 %) and 4 species were in the top ten of all ringed non-passeriformes in Slovakia. These were *Falco tinnunculus*, *Buteo buteo*, *Asio otus* and *Aquila pomarina*.

In this year the quantity of ringed raptors considerably exceeded the number of ringed owls. 718 individual raptors and 246 individual owls were ringed, so owls were represented by 25.5 % of the study group of species. This was also confirmed by the differences in proportional shares of chicks. 88 % (634 ind.) of all ringed raptors were chicks at the nest whereas with owls it was only 40 % (99 ex.).

A total of 29 075 birds were ringed in Slovakia in 2006, of which 703 ind. were raptors and owls (2.4 %). The species spectrum of all ringed birds included 164 species, of which raptors and owls represented by 14 % (23 species). When comparing ringed raptor and owl chicks with all ringed chicks (3 659 chicks), the share of raptors and owls in 2006 was 15 % (551 chicks, Tab. 1).

In 2006, 23 raptor and owl species (16 raptor species and 7 owl species, Tab. 4) were ringed, out of the total of 703 ind. From this amount, 551 individuals (78 %) were chicks at the nest. In 2006, the same 4 species were listed in the top ten species of all ringed non-passeriformes in Slovakia, but in a different order to 2005 (*Buteo buteo*, *Falco tinnunculus*, *Aquila pomarina* and *Asio otus)*. Compared to the last year, the share of owls increased slightly whereas there was significant increase in the percentage of chicks. In total 556 raptors and 147 owls were ringed which was only 26.3 % from the study group of species. Chicks at the nest represented 81 % (452 ind.) of ringed raptors whereas with owls it was 67 % (99 ind.).

The focus of individual ringers to particular species of raptors and owls is shown in Tab. 2. In 2005–2006 approximately 150 ringing recoveries were collected. It is natural that most of them were from Hungary, Czech Republic and

**Tab. 1.** List of ringed raptors and owls in Slovakia in 2005–2006
**Tab. 1.** Prehľad krúžkovaných dravcov a sov na Slovensku v rokoch 2005–2006

| Species / Druh | 2005 | | | 2006 | | |
|---|---|---|---|---|---|---|
| | *pullus* | others / ostatné | ∑ | *pullus* | others / ostatné | ∑ |
| *Pernis apivorus* | 4 | 0 | **4** | 2 | 3 | **5** |
| *Milvus migrans* | 0 | 0 | **0** | 0 | 0 | **0** |
| *Milvus milvus* | 3 | 0 | **3** | 5 | 0 | **5** |
| *Circaetus gallicus* | 0 | 0 | **0** | 0 | 0 | **0** |
| *Circus aeruginosus* | 22 | 1 | **23** | 30 | 3 | **33** |
| *Circus cyaneus* | 0 | 23 | **23** | 0 | 1 | **1** |
| *Circus pygargus* | 16 | 0 | **16** | 6 | 0 | **6** |
| *Accipiter gentilis* | 39 | 4 | **43** | 23 | 4 | **27** |
| *Accipiter nisus* | 7 | 11 | **18** | 5 | 22 | **27** |
| *Buteo buteo* | 125 | 17 | **142** | 50 | 54 | **104** |
| *Buteo lagopus* | 0 | 0 | **0** | 0 | 0 | **0** |
| *Aquila pomarina* | 88 | 0 | **88** | 91 | 3 | **94** |
| *Aquila heliaca* | 33 | 0 | **33** | 51 | 0 | **51** |
| *Aquila chrysaetos* | 3 | 0 | **3** | 15 | 1 | **16** |
| *Haliaeetus albicilla* | 4 | 0 | **4** | 5 | 0 | **5** |
| *Falco tinnunculus* | 209 | 28 | **237** | 82 | 13 | **95** |
| *Falco vespertinus* | 4 | 0 | **4** | 0 | 0 | **0** |
| *Falco columbarius* | 0 | 0 | **0** | 0 | 0 | **0** |
| *Falco subbuteo* | 21 | 0 | **21** | 12 | 0 | **12** |
| *Falco cherrug* | 27 | 0 | **27** | 25 | 0 | **25** |
| *Falco peregrinus* | 29 | 0 | **29** | 50 | 0 | **50** |
| *Tyto alba* | 11 | 14 | **25** | 14 | 13 | **27** |
| *Otus scops* | 3 | 1 | **4** | 7 | 0 | **7** |
| *Bubo bubo* | 23 | 0 | **23** | 27 | 1 | **28** |
| *Glaucidium passerinum* | 0 | 0 | **0** | 0 | 0 | **0** |
| *Athene noctua* | 0 | 1 | **1** | 0 | 0 | **0** |
| *Strix aluco* | 19 | 8 | **27** | 9 | 1 | **10** |
| *Strix uralensis* | 7 | 1 | **8** | 16 | 0 | **16** |
| *Asio otus* | 36 | 89 | **125** | 26 | 31 | **57** |
| *Asio flammeus* | 0 | 32 | **32** | 0 | 0 | **0** |
| *Aegolius funereus* | 0 | 1 | **1** | 0 | 2 | **2** |
| **Σ** | **733** | **231** | **964** | **551** | **152** | **703** |
| **Number of species / Počet druhov** | | **26** | | | **23** | |

Poland. Data about swans and gulls (with ring readable using monocular) still prevails however data about several raptors and owls was also recorded. The most interesting records are shown in the following summary.

## Individuals ringed in foreign countries and registered in Slovakia

***Buteo buteo*** (Radolfzell JC 44916) ringed as an adult on August 5, 2004 in **Austria**, M. Fehler reported it to the Ringing Center Radolfzell in Germany; as a living, caught, and checked individual was released near Bratislava on April 1, 2005 (distance 25 km; 7 months and 27 days from the ringing date).

***Falco cherrug*** (Budapest 517363) ringed as a pullus on May 23, 1990 near by Miskolc in **Hungary**, J. Mihók checked it in Košice district on March 15, 2006 (distance 77 km; 15 years 11 months and 23 days from the ringing date).

***Tyto alba*** (Helgoland 4280962) ringed as a pullus on July 18, 2005 in **Germany**, A. Macková found it dead in

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**Tab. 2.** Specialization by ringers on particular species of some raptors and owls in Slovakia
**Tab. 2.** Špecializácia jednotlivých krúžkovateľov na vybrané druhy dravcov a sov na Slovensku

| Ringer / Krúžkovateľ | Specialization / Špecializácia |
|---|---|
| Danko Štefan | *Aquila heliaca*, *A. pomarina*, *Haliaeetus albicilla*, *Buteo buteo* |
| Dravecký Miroslav | *Aquila pomarina* |
| Chavko Jozef | *Falco cherrug*, *F. peregrinus*, *Aquila heliaca*, *Haliaeetus albicilla* |
| Kaňuch Pavol | *Aquila pomarina* |
| Kaňuščák Pavol | *Circus aeruginosus*, *C. pygargus* |
| Karaska Dušan | *Aquila pomarina*, *Strix uralensis* |
| Kerestúr Dušan | *Tyto alba* |
| Korňan Ján | *Aquila chrysaetos* |
| Krišovský Peter | *Falco tinnunculus* |
| Krištín Anton | *Otus scops* |
| Lengyel Jozef | *Circus cyaneus*, *C. aeruginosus*, *C. pygargus*, *Asio flammeus, A. otus* |
| Macek Metod | *Aquila chrysaetos*, *A. pomarina*, *Falco peregrinus* |
| Maderič Boris | *Milvus milvus*, *M. migrans*, *Aquila pomarina*, *Falco vespertinus* |
| Mihók Jozef | *Aquila pomarina*, *Haliaeetus albicilla*, *Accipiter gentilis*, *A. nisus*, *Pernis apivorus*, *Buteo buteo*, *Falco subbuteo*, *F. tinnunculus*, *Strix uralensis*, *Bubo bubo* |
| Sárossy Martin | *Tyto alba* |
| Slobodník Vladimír | *Strix aluco*, *Asio otus* |
| Šimák Ladislav | *Aquila chrysaetos* |
| Šiška Štefan | *Otus scops* |
| Šnírer Ladislav | *Aquila heliaca*, *Falco peregrinus*, *Haliaeetus albicilla*, *Bubo bubo* |
| Šotnár Karol | *Aquila pomarina*, *A. chrysaetos*, *Accipiter gentilis*, *Buteo buteo*, *Otus scops* |
| Trnka Alfréd | *Circus aeruginosus* |

Medzilaborce district on 19 October 2005 (distance 903 km; 93 days from the ringing date).

***Tyto alba*** (Brussels L 112906) ringed as a pullus on June 11, 2005 in **Belgium**, E. Kubica found it shot in Piešťany on January 9, 2006 (distance 971 km; 6 months and 28 days from the ringing date).

***Asio flammeus*** (Helsinki H 170658) ringed as a pullus on June 18, 2005 in **Finland**, J. Lengyel checked and released it on October 25, 2005 in Nové Zámky district (distance 1609 km; 4 months and 11 days from the ringing date).

**Individuals ringed in Slovakia and registered in foreign countries**

***Haliaeetus albicilla*** (Bratislava A 2149) ringed as a pullus by L. Šnírer on April 21, 2004 in Komárno district, the ring was read by binocular on December 29, 2005 in **Austria** (distance 110 km; 1 year, 8 months and 28 days from the ringing date).

***Aquila pomarina*** (Bratislava BL 211) ringed by P. Vrlík as a pullus on July 16, 2004 in Liptovský Mikuláš district, found shot on September 24, 2004 in Peloponnese in **Greece** (distance 1268 km; 70 days from the ringing date) (also in Danko 2008).

***Aquila heliaca*** (Bratislava A 931) ringed as a pullus by J. Mihók on June 26, 2004 in Košice district, found dead on May 18, 2005 in Vojvodin in **Serbia** (distance 347 km; 10 months and 22 days from the ringing date).

***Aquila heliaca*** (Bratislava A 925) ringed as a pullus by J. Mihók on June 17, 2003 Košice-okolie district, found injured and after recovery it was released on April 25, 2004 in **Greece** (distance 1278 km, 10 months and 8 days from the ringing date).

***Aquila chrysaetos*** (Bratislava A 376) ringed as a pullus by M. Macek on July 1, 2004 Ružomberok district, found dead in March 19, 2005 in Znojmo district in **Czech Republic** (distance 203 km, 8 months and 18 days from the ringing date).

***Asio flammeus*** (Bratislava E 1835) ringed by J. Lengyel on November 19,, 2005 near by Šurany, checked and released on April 20, 2006 in **Finland** (distance 1594 km, 4 months from the ringing date).

Note: All data about verification findings and observations of birds with readable rings is to be sent to the Ringing Center of the Slovak Ornithological Society/ BirdLife Slovakia on the specific form (Recovery form) which shall not only include the species and age but also

**Tab. 3.** Activities of ringers in ringing of raptors and owls during year 2005. n – number of all ringed individuals, pull – no. of ringed young

**Tab. 3.** Aktivita krúžkovateľov dravcov a sov v roku 2005. n – počet všetkých okrúžkovaných jedincov, pull – počet krúžkovaných mláďat z celkového počtu

| Species / Druh | n | pullus | Ringers / Kružkovatelia * |
|---|---|---|---|
| *Pernis apivorus* | 4 | 4 | Mihók (4 pull) |
| *Milvus milvus* | 3 | 3 | Maderič (3 pull) |
| *Haliaeetus albicilla* | 7 | 7 | Šnírer (5 pull), Danko (2 pull) |
| *Circus aeruginosus* | 23 | 22 | Trnka (7 pull), Lengyel (6 pull), Mihók (5 pull), Kaňuščák (4 pull), Murín (1) |
| *Circus cyaneus* | 23 | | Lengyel (22), Šnírer (1) |
| *Circus pygargus* | 16 | 16 | Kaňuščák (8pull), Lengyel (8pull) |
| *Accipiter gentilis* | 43 | 39 | Mihók (17 pull), Šotnár (16 pull), Slobodník V. (3 pull + 2), Matis (3 pull), Vrlík (2) |
| *Accipiter nisus* | 18 | 7 | Mihók (7 pull), Slobodník V. (5), Olekšák (2), Fábry, Kaňuščák, Karaska, Pavelčík (1 each) |
| *Buteo buteo* | 142 | 125 | Šotnár (75 pull), Mihók (44 pull), Slobodník V. (6), Vrlík (5 pull), Olekšák (4), Murín (3), Matis (2), Kaňuščák (1pull), Lengyel (1), Pavelčík (1) |
| *Aquila pomarina* | 88 | 88 | Kaňuch Pa. (26 pull), Dravecký (15 pull), Šotnár (15 pull), Mihók (12 pull), Karaska (8 pull), Maderič (7 pull), Vrlík (4 pull), Slobodník V. (1 pull), |
| *Aquila heliaca* | 33 | 33 | Chavko (14 pull), Danko (13 pull), Šnírer (6 pull) |
| *Aquila chrysaetos* | 13 | 13 | Korňan (5 pull), Šimák (5 pull), Mihók (1 pull), Šotnár (1 pull), Vrlík (1 pull) |
| *Falco tinnunculus* | 238 | 210 | Mihók (197 pull + 1), Slobodník V. (6 pull + 2), Lengyel (7), Kočí (7), Krišovský (7 pull), Krištín (5), Šrank (6) |
| *Falco vespertinus* | 4 | 4 | Maderič (4 pull), |
| *Falco subbuteo* | 21 | 21 | Mihók (16 pull), Polanský (5 pull) |
| *Falco cherrug* | 27 | 27 | Chavko (27 pull) |
| *Falco peregrinus* | 29 | 29 | Chavko (12 pull), Šnírer (9 pull), Hošek (3 pull), Vrlík (3 pull), Matis (2 pull), |
| *Tyto alba* | 25 | 11 | Sárossy (11 pull + 3), Šrank (10), Lengyel (1) |
| *Athene noctua* | 1 | | Pjenčák (1) |
| *Aegolius funereus* | 1 | | Murín (1) |
| *Otus scops* | 4 | 3 | Šotnár (3 pull + 1) |
| *Bubo bubo* | 23 | 23 | Mihók (13 pull), Šnírer (4 pull), Matis (2 pull), Vrlík (2 pull), Kubica (2 pull) |
| *Strix aluco* | 27 | 19 | Slobodník V. (8 pull + 1), Slobodník R. (4 pull + 1), Šotnár (4 pull), Šrank (3), Baláž (2 pull), Olekšák (2), Mihók (1 pull), Trnka (1) |
| *Strix uralensis* | 8 | 7 | Mihók (6 pull), Karaska (1 pull), Olekšák (1) |
| *Asio otus* | 126 | 35 | Mihók (29 pull), Pjenčák, Pavelčík (25 each), Lengyel (21), Krišovský (5 pull), Dravecký, Olekšák (5 each), Šrank (4), Hrdlovič (2), Kaňuščák (1 pull), Hošek, Murín, Trnka (1 each) |
| *Asio flammeus* | 32 | | Lengyel (23), Pavelčík (7), Pjenčák, Šnírer (1 each) |

*In parentheses numbers of ringed individuals / v zátvorke počet okrúžkovaných jedincov

sex, date, the closest village, district and in the case of a verification, circumstances or any notes relating to the finding. This enables recoveries to be completed much quickier than if incomplete information are sent by e-mail or phone.

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**Tab. 4.** Activities of ringers in ringing of raptors and owls during year 2006. n – number of all ringed individuals, pull – no. of ringed young

**Tab. 4.** Aktivita krúžkovateľov dravcov a sov v roku 2006. n – počet všetkých okrúžkovaných jedincov, pull – z toho počet krúžkovaných mláďat

| Species / Druh | n | pullus | Ringers / Kružkovatelia * |
|---|---|---|---|
| *Pernis apivorus* | 5 | 2 | Danko (3), Šotnár (2 pull) |
| *Milvus milvus* | 5 | 5 | Maderič (5 pull) |
| *Haliaeetus albicilla* | 5 | 5 | Mihók (3 pull), Chavko, Šnírer (1 pull each) |
| *Circus aeruginosus* | 33 | 30 | Kaňuščák (21 pull), Slobodník V. (4 pull), Kerestúr (3 pull + 1), Slobodník R. (2 pull), Hapl, Macek (1 each) |
| *Circus cyaneus* | 1 | | Lengyel (1) |
| *Circus pygargus* | 6 | 6 | Kaňuščák (6 pull) |
| *Accipiter gentilis* | 27 | 23 | Šotnár (13 pull), Mihók (6 pull), Kaňuščák (4 pull), Fulín, Karaska, Macek, Olekšák (1 each) |
| *Accipiter nisus* | 27 | 5 | Olekšák (6), Šotnár (5 pull), Fábry (5), Kaňuščák (3), Matis (2), Krišovský, Mikšík, Pavlík, Polanský, Szentandrássy, Vrábel (1 each) |
| *Buteo buteo* | 104 | 50 | Mihók (25 pull + 3), Šotnár (24 pull), Danko (16), Kaňuščák (1 pull), Olekšák (10), Matis, Slobodník V. (7 each), Pjenčák, Slobodník R. (4 each), Šrank, Hošek, Fulín (1 each) |
| *Aquila pomarina* | 94 | 91 | Dravecký (23 pull), Kaňuch Pa. (18 pull), Šotnár (13 pull), Karaska (10 pull), Maderič (11 pull + 1), Mihók (6 pull), Danko (2 pull + 2), Macek (4 pull), Krištín (3 pull), Slobodník V. (1 pull) |
| *Aquila heliaca* | 51 | 51 | Danko (23 pull), Chavko (15 pull), Šnírer (13 pull) |
| *Aquila chrysaetos* | 16 | 15 | Korňan (6 pull), Šimák, Šotnár (3 pull each), Matis, Mihók, Šnírer (1 pull each), Macek (1) |
| *Falco tinnunculus* | 95 | 82 | Mihók (59 pull + 3), Krišovský (12 pull), Slobodník V. (5 pull + 1), Krištín (5 pull), Šrank (4), Danko, Olekšák (2 each), Kerestúr (1 pull.), Fábry (1) |
| *Falco subbuteo* | 12 | 12 | Mihók (12 pull) |
| *Falco cherrug* | 25 | 25 | Chavko (25 pull) |
| *Falco peregrinus* | 50 | 50 | Chavko (28 pull), Šnírer (12 pull), Krištín (4 pull), Šotnár (3 pull), Matis (2 pull), Olekšák (1 pull) |
| *Tyto alba* | 27 | 14 | Šrank (12), Kerestúr, Matis (4 pull each), Hapl (3 pull.), Kubica (3 pull. + 1) |
| *Otus scops* | 7 | 7 | Šiška (4 pull), Šotnár (3 pull) |
| *Bubo bubo* | 28 | 27 | Mihók (12 pull), Kaňuščák (6 pull), Šnírer (4 pull), Matis (3 pull), Demko (2 pull), Macek (1) |
| *Strix aluco* | 10 | 9 | Šotnár (5 pull), Karaska, Slobodník V. (2 pull each), Olekšák (1) |
| *Strix uralensis* | 16 | 16 | Mihók (15 pull), Kerestúr (1 pull) |
| *Asio otus* | 58 | 27 | Lengyel (11), Slobodník V. (8 pull), Pjenčák (8), Vrábel (7 pull), Olekšák (1 pull. + 6), Mihók (6 pull), Danko (4 pull), Matis (2), Krištín (1 pull), Fulín, Krišovský, Slobodník R., Sviečka (1 each) |
| *Aegolius funereus* | 2 | | Olekšák (2) |

*In parentheses numbers of ringed individuals / v zátvorke počet okrúžkovaných jedincov