14 Status of the breeding population of Great Cormorants in Latvia in 2012

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To be cited as:

National summary
In 2012, Latvia had an estimated 3,106 nests of Great Cormorants (Phalacrocorax carbo sinensis) in nine colonies. A total of 2,634 nests were counted, with the total coverage of all breeders estimated at 80%. This is an increase of approximately 600 nests compared to 2011. It is possible that some unknown colonies exist, especially in the eastern and south-eastern parts of the country. These areas contain a large number of water bodies and are rarely visited by ornithologists. Additionally, very little cormorant research has been carried out in Latvia before 2009. During research in 2012 some potential breeding areas were visited, but no signs of breeding were found. Further research will continue in the 2013 breeding season.

Distribution
The breeding colonies were found across the country, at both inland and coastal sites. The largest colony was located on an island in a coastal lake named Kanieris, 6 km from the south-western coast of the Riga Gulf (Fig. 14.1). The majority of cormorants (71%, 1,861 nests) were breeding in the Kurzeme region located in western Latvia, bordering the Baltic Sea (Fig. 14.2). The Latgale region in the east, which borders Belarus and Russia, contained 29% of breeders (765 nests), while a small number (8 nests, 0.3%) were found in the central Zemgale region. One colony (Lubans Lake) was located on the border between two regions (Vidzeme and Latgale), but was assigned to the Latgale region for ease of analysis and presentation.

In Latvia in 2012, cormorants built their nests both on the ground and in trees. 11% were found nesting on the ground on small islets at Engure Lake, while the remaining breeders nested in the trees. There were two sea colonies in the Kurzeme region; one located at Pape (an old shipwreck) and one on the islet where the Kolka lighthouse is situated (located approximately 5 km from the coast).

Figure 14.2. Regional distribution of the breeding population of Great Cormorants in Latvia in 2012. Source: K. Millers, Latvia Birds Fund.
Colony size

Only three colonies in Latvia had more than 100 nests in 2012 (Fig. 3). The majority of the breeding population (93%) was found in these three colonies located at lakes Kanieris, Lubans and Engure (Fig. 4). The remaining colonies contained less than 100 nests, and these colonies housed 7% of all breeders in Latvia. The nests in Engure Lake colony were counted by ornithologists from the Laboratory of Ornithology (Institute of Biology, University of Latvia) and later by the author.

Human intervention in colonies

Management is now carried out in two areas in Latvia where conflicts with fisheries are intense. The Nagli fish pond fishery has requested annual permits from the authorities (Nature Conservation Agency) to shoot approximately 50-70 cormorants for the last four years (possibly longer), with the number of permits (relating to the number of birds allowed to be shot) varying from year to year. Permission was granted in 2012. The shooting takes place after the waterfowl breeding season (July) in the fish ponds territory, which is a complex containing more than 27 ponds of different sizes located approximately 13 km southwest of the Lubans Lake colony. The main aim of the shooting is to reduce the number of feeding birds at the fish ponds. The Dagda country authority has requested permits to shoot cormorants in 2012 and 2013.

In 2012 in Latvia, the authorities permitted management of the cormorant population at the Nagli fish pond complex. However, there was evidence of illegal shooting of adult birds in the nests in at least one colony during the breeding season in 2012 and possibly earlier. In some areas, human disturbance during the start of the breeding season caused cormorants to abandon the colony (Aluksne Lake in Vidzeme region).
Acknowledgements:
I would like to thank Thomas Bregnballe (Aarhus University, Denmark) for his help and support in a number of areas which made the research possible. I would also like to thank field workers Arturs Karklins and Gaidis Grandans and volunteers Davis Ozolins, Rolands Kalvis and Dainis Tucs for their assistance in collecting data. I would also like to thank Dr. biol. prof. Janis Viksne and Antra Stipniece from the Laboratory of Ornithology in the Institute of Biology, University of Latvia. We would like to thank the European Commission project ‘CorMan’ for providing financial support for the counts of breeding colonies in 2012.

References and further information

Great Cormorant nests low in the trees at Kanieris lake, Latvia, June 2012. Photo: Karlis Millers.