



# **COLOR MARKINGS**

## **used in the East Asian-Australasian Flyway**

Available at <http://www.eaaflyway.net/coordination-of-marking.php>


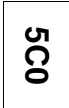






*EVERY SINGLE RESIGHTING IS IMPORTANT. If you observed a marked bird, please report to relevant organizations. Domestic/local banding schemes as well as contact persons in the following tables are best focal points. Your reports will benefit migration studies and identification of key routes and habitats of migratory waterbirds.*

### **Gruidae (cranes)**

Please visit the site of '[Yamashina Institute for Ornithology](#)' to read color marking protocols for waterbirds including marked cranes in Japan.

You may find relevant information on color-marked Common Cranes (*Grus grus*) in Europe on the '[European Clour-ring Birding: Common Crane](#)' page managed by Dirk Raes.

The webpage of the '[International Crane Foundation \(ICF\)](#)', an important Partner of EAAFP, provides valuable information on cranes and their migration. Particularly, you may visit the '[Banded Cranes](#)' page for color marked cranes in North America.

Red-crowned Crane ( <i>Grus japonensis</i> )					
Type	Country	Color	Example	Notes	Contact information
Leg ring	Russia	White	 	<p>Khinganski Nature Reserve and Khanka Lake</p> <ul style="list-style-type: none"> <li>• C01-C99 were used in Khinganski Nature Reserve and Khanka Lake from 1984-91</li> <li>• F** were used in Khingansk since 1989</li> <li>• *C* were used in Khingansk since 1993</li> </ul>	<a href="#">Bird Ringing Centre of Russia</a>
		Yellow		<p>Khinganski Nature Reserve and Khanka Lake in 1981-90</p> <ul style="list-style-type: none"> <li>• N1-N25 were used in 1981-1982 in Khanka Lake</li> <li>• Three digits of numbers were used since 1984 in Khingansk areas</li> </ul>	<a href="#">Bird Ringing Centre of Russia</a>
		Green	 	<p>Used for two birds (numbered '137' and '140') at Khinganski Nature Reserve in 2000</p>	<a href="#">Bird Ringing Centre of Russia</a>
	China	Red		<p>Two or three digits of numbers were used in Zhalong since 1984</p>	<a href="#">Fa-Wen Qian</a> (National Bird Banding Center of China)
	Japan	Yellow	 	<p>Hokkaido since 1988</p> <ul style="list-style-type: none"> <li>• T01-T99 were used from 1988-1996</li> <li>• 01V-99V were used from 1996-2002</li> <li>• Two digits of numbers followed by 'P' have used since 2002</li> </ul>	<a href="#">Bird Migration Research Center, YIO</a>








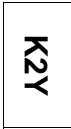
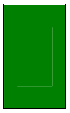
Red-crowned Crane (F72 on a WHITE color ring)  
Banded at Khinganski Nature Reserve in Russia in 2003  
Observed at Cheorwon in South Korea in Dec 2004  
Photo by [Seung-Hwa YOO](#)



Engraved YELLOW color rings  
prepared for Red-crowned Cranes in Hokkaido, Japan  
Photo by [Chang-Yong CHOI](#)

## White-naped Crane (*Grus vipio*)

Type	Country	Color	Example	Notes	Contact information
Leg ring	Russia	White	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">A23</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">2A9</div> </div> <div style="border: 1px solid black; padding: 2px; text-align: center; width: 40px; margin: 0 auto;">E96</div>	<p>Amur River Basin (Khinganski Nature Reserve, Khanka Lake, Daurskiy) since 1985</p> <ul style="list-style-type: none"> <li>• A01-A96 were used in Khanka Lake (1985-1996) and Torey Lake (1987-1989)</li> <li>• E** were used in Daurskiy (Torey Lake and adjacent areas) in 1989-1993</li> <li>• E** and *A* were used in Khingansk areas since 1989</li> </ul>	<p><a href="#">Bird Ringing Centre of Russia</a>  <a href="#">Oleg Goroshko</a> (Daurskiy NR)</p>
		Yellow	<div style="background-color: yellow; border: 1px solid black; padding: 2px; display: inline-block;">75</div>	Khinganski Nature Reserve in 1984-87	<a href="#">Bird Ringing Centre of Russia</a>
		Blue	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: blue; color: white; padding: 2px; text-align: center;">G29</div> <div style="background-color: blue; color: white; padding: 2px; text-align: center;">2G4</div> </div>	<p>Daurskiy (Torey Lake and adjacent areas) since 1991</p> <ul style="list-style-type: none"> <li>• G** were used in 1991-1992</li> <li>• *G* were used since 1993</li> </ul>	<p><a href="#">Bird Ringing Centre of Russia</a>  <a href="#">Oleg Goroshko</a> (Daurskiy NR)</p>
		Red	<div style="background-color: red; color: white; padding: 2px; display: inline-block;">S46</div>	S** were used in Daurskiy (Torey Lake and adjacent areas) in 1989	<p><a href="#">Bird Ringing Centre of Russia</a>  <a href="#">Oleg Goroshko</a> (Daurskiy NR)</p>
	China	Red	<div style="background-color: red; color: white; padding: 2px; display: inline-block;">N 5 3</div>	Zhalong since 1986	<p><a href="#">Fa-Wen Qian</a>  (National Bird Banding Center of China)</p>

Mongolia	Green		Uldza River in 1992-1994 and in 2002	<a href="#">Gombobaatar Sundev</a> (Mongolian Ornithological Society) <a href="#">Kiyooki OZAKI</a> (Yamashina Institute for Ornithology)
Japan	Orange		Two digits (12-22) were used at Izumi in 1983	<a href="#">Bird Migration Research Center, YIO</a>
	Yellow	 	‘J’, ‘M’, ‘R’ followed by one or two digits of numbers were used in Izumi since 1984 <ul style="list-style-type: none"> <li>• J04-J78 were used from 1984-1987</li> <li>• M1-M99 were used from 1988-1999</li> <li>• R** were used since 1999</li> </ul> One to three color ring(s) may be attached on the other leg.	<a href="#">Bird Migration Research Center, YIO</a>
South Korea	White	 	Only two white rings (engraved 'KOC' and 'K2Y') were used for rehabilitated birds in 2004 and 2007 in Cheorwon.	<a href="#">Wee-Haeng HUR</a> (National Institute of Biological Resources)
	Green		Green was assigned, but never used.	<a href="#">Kisup LEE</a> (Korea Waterbird Network)



Color rings (engraved YELLOW and plain plastic rings)  
and an old-fashioned PTT used for White-naped Cranes in Izumi, Japan  
Photo by [Chang-Yong CHOI](#)



White-naped Crane (E67 on WHITE leg ring)  
Banded at Byrtsa River, Kyra Region in Russia on 16 Jul 1990  
Observed at Cheorwon in South Korea on 20 Jan 2011  
Photo by [Nam-joon Ji](#)



White-naped Crane (M89 on YELLOW leg ring & Red/Blue/Red rings)

Banded at Izumi in Japan on 29 Jan 1995

Observed at Cheorwon in South Korea on 21 Mar 2004

Photo by [Chang-Yong CHOI](#)



White-naped Crane (M1 on YELLOW leg ring)

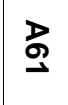




Banded at Izumi in Japan on 21 Jan 1988




Observed at Cheorwon in South Korea on 18 Oct 2002 and 27 Nov 2005

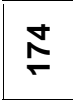

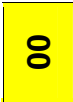
Please note that the leg color was nearly stained white.

Photo by [Seung-Hwa YOO](#)

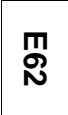


## Hooded Crane (*Grus monacha*)

Type	Country	Color	Example	Notes	Contact information
Leg ring	Russia	White		Bikin (Khabarovsk) in 1985-1989 E10 was used in Torey Lake in 1989	<a href="#">Bird Ringing Centre of Russia</a> <a href="#">Oleg Goroshko</a> (Daurkiy NR)
		Yellow		Two birds (VC6, VK6) were ringed in Daurkiy in 1991	<a href="#">Bird Ringing Centre of Russia</a> <a href="#">Oleg Goroshko</a> (Daurkiy NR)
		Blue		0G* were used in Daurkiy in 1993	<a href="#">Bird Ringing Centre of Russia</a> <a href="#">Oleg Goroshko</a> (Daurkiy NR)
		Red		Several birds (K02-K05) were ringed in Daurkiy in 1988-1990	<a href="#">Bird Ringing Centre of Russia</a> <a href="#">Oleg Goroshko</a> (Daurkiy NR)
	China	Red		Red rings with white numbers (e.g. 204 and 205) have been used.	<a href="#">Fa-Wen Qian</a> (National Bird Banding Center of China)



	Mongolia	Green		Uldza River in 1992-1994 and in 2002	<a href="#">Gombobaatar Sundev</a> (Mongolian Ornithological Society) <a href="#">Kiyooki OZAKI</a> (Yamashina Institute for Ornithology)
	Japan	Orange		Two digits of numbers were used in Izumi in 1979-1983	<a href="#">Bird Migration Research Center, YIO</a>
		Yellow		‘J’, ‘K’, or ‘P’ followed by two digits of numbers in Izumi since 1983. <ul style="list-style-type: none"> <li>• J02-J99 were used in 1983-1987.</li> <li>• K01-K99 were used in 1987-1994.</li> <li>• P** were used since 1994.</li> </ul>	<a href="#">Bird Migration Research Center, YIO</a>

Siberian Crane ( <i>Grus leucogeranus</i> )					
Type	Country	Color	Example	Notes	Contact information
Leg ring	Russia	White		<p>Since 1998 in Belozersky Refuge, Tyumen Region, and Astrakhan Nature Reserve by UNEP/GEF Siberian Crane Wetland Project (SCWP)</p> <p>One or combination of plastic color ring(s) was also used.</p>	<p><a href="#">Bird Ringing Centre of Russia</a>  <a href="#">Yuri Markin</a> (UNEP/GEF Siberian Crane Wetland Project consultant)</p>
		Green or Yellow	 	<p>Mainly used with other color rings for PTT or Radio transmitter studies.</p> <p>One yellow (numbered '00') was also used for a PTT (#59947) study in 2008.</p>	

To read more information on color-ringed Siberian Cranes, please visit the '[Reintroduction: Banding](#)' page in the website of [Siberian Crane Banding Coordination](#). You may also see images of Siberian Cranes carrying color rings and transmitters.






Common Crane ( <i>Grus grus</i> )					
Type	Country	Color	Example	Notes	Contact information
Leg ring	Russia	White		E** were used Daurskiy (Torey Lake and adjacent areas) in 1990	<a href="#">Bird Ringing Centre of Russia</a> <a href="#">Oleg Goroshko</a> (Daurskiy NR)
		Blue		One bird (G15) was banded in Torey Lake in 1992	<a href="#">Bird Ringing Centre of Russia</a> <a href="#">Oleg Goroshko</a> (Daurskiy NR)
		Red		Daurskiy in 1989-1990 <ul style="list-style-type: none"> <li>• K01, K04, and S** were used near Torey Lake</li> </ul>	<a href="#">Bird Ringing Centre of Russia</a> <a href="#">Oleg Goroshko</a> (Daurskiy NR)

Please refer the '[European Clour-ring Birding: Common Crane](#)' page for color-marking protocols used in Common Cranes (*Grus grus*) in Europe.

Black-necked Crane ( <i>Grus nigricollis</i> )					
Type	Country	Color	Example	Notes	Contact information
<i>There is currently no flyway-level protocol for this species, but some color markings may be locally used.</i>					
Leg ring	China	Red		This color bands with white digits were used in Ruergai and Napahai Nature Reserves.	<a href="#">Fa-Wen Qian</a> (National Bird Banding Center of China) <a href="#">Fengshan Li</a> (International Crane Foundation)
	China	Orange		Three orange bands with black digits were used in Ruergai Nature Reserve during 1986-1987. No plan to use this color in the future.	<a href="#">Fa-Wen Qian</a> (National Bird Banding Center of China) <a href="#">Fengshan Li</a> (International Crane Foundation)
	Bhutan			No information is currently available.	
	India			No information is currently available.	

Sarus Crane ( <i>Grus antigone</i> )					
Type	Country	Color	Example	Notes	Contact information
<i>There is currently no flyway-level protocol for this species, but some color markings may be locally used.</i>					
Leg ring	Vietnam			Some Sarus Cranes, caught at Tram Chim National Park in 1998 and 2001 by Yamashina Institute for Ornithology (YIO) and International Crane Foundation (ICF), may carry color bands on their legs.	<a href="#">Jeb Barzen</a> (ICF) <a href="#">Tran Triet</a> (ICF) Nguyen Van Hung (Tram Chim NP)
	Cambodia			Angkor Centre for Conservation of Biodiversity (ACCB) may have rehabilitated a chick with bands.	<a href="#">Markus Handschuh</a> (ACCB)

## Demoiselle Crane (*Anthropoides virgo*)

Type	Country	Color	Example	Notes	Contact information
Leg ring	Russia	Red		Daurskiy in 1990 <ul style="list-style-type: none"> <li>• K06-K47 were used in Torey Lake in 1990</li> </ul>	<a href="#">Bird Ringing Centre of Russia</a> <a href="#">Oleg Goroshko</a> (Daurskiy NR)
		Blue		Daurskiy from 1993-1995 <ul style="list-style-type: none"> <li>• 1G* and 5G* were used in Torey Lake in 1993</li> </ul>	<a href="#">Bird Ringing Centre of Russia</a> <a href="#">Oleg Goroshko</a> (Daurskiy NR)
		Green		P01-P74 were used in Daurskiy (mainly in Torey Lake) in 1992	<a href="#">Bird Ringing Centre of Russia</a> <a href="#">Oleg Goroshko</a> (Daurskiy NR)
	Mongolia	Green		Nine birds (0Y1-1Y1) were banded at Uldza River in 1995	<a href="#">Tseveenmyadag Natsagdorj</a> (Mongolian Ornithological Society) <a href="#">Gombobaatar Sundev</a> (Mongolian Ornithological Society)
	China	Yellow		Two digits of numbers were used in Zhalong in 1989-90.	<a href="#">Fa-Wen Qian</a> (National Bird Banding Center of China)

Last update: 26 July 2011

For more information or for error correction, please contact Dr. [Chang-Yong Choi](#), the Science Officer of the EAAF Partnership Secretariat.