



# **COLOR MARKINGS**

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

Available at <http://www.eaaflyway.net/migratory-waterbirds-in-eaaf/coordination-of-colour-marking/>

**EVERY SINGLE RESIGHTING IS IMPORTANT.** *If you observed a marked bird, please report the following information as much as possible to relevant organizations: species, date, locality (with coordinates), color marks (type, color, and inscription of the marks), photographs, circumstances and other relevant details, etc. 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 birds.*

### **Anatidae I (swans)**


For more information on color-marked swans in Eurasia, please visit the [www.cr-birding.org](http://www.cr-birding.org) mainly managed by Dirk Raes.


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





Please visit [Wildlife Science and Conservation Center \(WSCC\) of Mongolia](#)'s website to learn more about whooper swan marking projects in Mongolia.








For more information on color marking activities by Wildlife Conservation Society (WCS) in Mongolia, please download an information sheet entitled ['Look out for wild birds marked in Mongolia'](#).

You may also contact with [Dr. Pelle Andersen-Harild](#), the coordinator of the WI Swan Research Group, to consult color and codes used in different countries/areas for Europe and Asia.

Swans					
Type	Country	Color	Example	Notes	Contact information
Neck band	China	Blue		Codes used: G00-G99. Since 2011, coordinated by the National Bird Banding Center of China	<a href="#">Lu Jun</a>

Mute Swan ( <i>Cygnus olor</i> )					
Type	Country	Color	Example	Notes	Contact information
Neck band	Japan	Green		Yamashina Institute for Ornithology	<a href="#">Bird Migration Research Center, YIO</a>

Whooper Swan ( <i>Cygnus cygnus</i> )					
Type	Country	Color	Example	Notes	Contact information
Neck band	Russia	Red		Since 2001 with PTT studies in Khabarovsk (This project possibly ended.)	<a href="#">Bird Ringing Centre of Russia</a>
	Mongolia	Red		Since 2007 in Northern Mongolia By Wildlife Conservation Society (WCS), Yamashina Institute for Ornithology (YIO), and Mongolian Ornithological Society (MOS)	<a href="#">WCS neck collar report</a> <a href="#">Martin Gilbert</a> (WCS) <a href="#">Yoshimitsu SHIGETA</a> (YIO) <a href="#">Gombobaatar Sunde</a> (MOS)
		Blue		Since 2010 in Western and Northern Mongolia By Wildlife Science and Conservation Center (WSCC)	<a href="#">Nyambayar Batbayar</a> (WSCC)
	Japan	Green		Yamashina Institute for Ornithology (YIO)	<a href="#">Bird Migration Research Center, YIO</a>

Tundra/Bewick's Swan ( <i>Cygnus columbianus</i> )					
Type	Country	Color	Example	Notes	Contact information
Neck band	Russia	Red		1999-2001, Lena Delta, Yakutia	<a href="#">Diana Solovyeva</a> <a href="#">Bird Ringing Centre of Russia</a>
	Japan	Green		Yamashina Institute for Ornithology (YIO)	<a href="#">Kaname Kamiya</a> <a href="#">Bird Migration Research Center, YIO</a>
		Grey (transmitter)		J11-15, J26 April 2017, Kucharo-ko, Japan	<a href="#">Sachiko Moriguchi</a> (Niigata University)
	USA (Alaska)	Blue		USGS Alaska Science Center	<a href="#">Craig Ely</a> (USGS Alaska Science Center)
Leg band	Russia	Red		Chaun Delta, Chukotka, 2017, 2018	Diana Solovyeva diana_solovyova@mail.ru
	Russia	Red		Chaun Delta, Chukotka, 2016	Diana Solovyeva diana_solovyova@mail.ru
	Russia	Orange		Lena Delta, Sakha(Yakutia), 2017 Indigirka Delta, 2018	Diana Solovyeva <a href="#">diana_solovyova@mail.ru</a> Alexey Antonov alex_bgsv@mail.ru

For more information on Tundra Swans color-marked in Alaska, please visit a webpage entitled '[Swan Surveillance and Research](#)' of USGS Alaska Science Center.



Whooper Swan (C60 on RED neck collar)  
Banded at Sharga Nuur in Mongolia on 15 Jul 2009  
Observed at Cheonsu Bay in South Korea on 8 Jan 2011  
Photo by DVM [Shin-Hwan KIM](#)



Whooper Swan (0T02 on BLUE neck collar)  
Banded in Mongolia  
Photo by [Nyambayar Batbayar](#)



Left: Tundra swan (10 on RED leg band)

Right: Tundra swan (A09 on ORANGE leg band)



## Anatidae II (geese)

For more information on color marked geese in Eurasia, please visit the [www.cr-birding.org](http://www.cr-birding.org) managed by Dirk Raes.


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

Please visit [Wildlife Science and Conservation Center \(WSCC\) of Mongolia](#)'s website to learn more about Bar-headed Goose and Swan Goose marking projects in Mongolia.

The '[Information about Colour Marking: Goose species \(Anserini\)](#)' page of the Japanese Bird Banding Association (JBBA) has more general/detailed description on geese marking by Japanese colleagues. Particularly, you may see the '[List of Banded Geese from 1981 to 2001](#)' managed by the Japanese Association for Wild Geese Protection (JAWGP).







There are useful information in the webpage of the [Goose Specialist Group](#) (Wetlands International and the IUCN-Species Survival Commission).

For more information on color marking activities by Wildlife Conservation Society in Mongolia, please download an information sheet entitled '[Look out for wild birds marked in Mongolia](#)'.




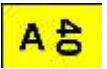
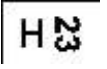


Geese					
Type	Country	Color	Example	Notes	Contact information
Neck band	China	Blue		Codes used: A01-T99. Since 2006, coordinated by the National Bird Banding Center of China	<a href="#">Lu Jun</a>
		Green		Codes used: C01-C99, C1A-C4Y. Since 2006, coordinated by the National Bird Banding Center of China	

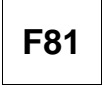




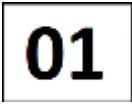

Brent Goose ( <i>Branta bernicla</i> )					
Type	Country	Color	Example	Notes	Contact information
Leg band	Russia, Japan	Yellow		In 2016, 21 individuals in Lena Delta. Since 2017 in Northern Japan	Yusuke Sawa (BirdLife) Bird Migration Research Center, YIO




## Greater White-fronted Goose (*Anser albifrons*)

Type	Country	Color	Example	Notes	Contact information
Neck band	Russia	Green	 	<p>Cooperation project of Goose, Swan and Duck Study Group of Northern Eurasia (RGG) - Moscow Russia, Japanese Association for Wild Geese Protection (JAWGP), and Institute of Biological Problems of the North (IBPN).</p> <p>During 1991-1994: Lower Anadyr River</p> <p>Since 2001: Meinypilgyno, Southern Chukotka</p>	<p><a href="#">Evgeny Syroechkovskiy</a></p> <p><a href="#">Masayuki KURECHI</a> (JAWGP)</p> <p><a href="#">Alexandre V. ANDREEV</a> (IBPN)</p> <p><a href="#">Bird Ringing Centre of Russia</a></p>
		Red		<p>In 1992 by JAWGP and IBPN in Anadyr, Chukotka</p>	<p><a href="#">Bird Ringing Centre of Russia</a></p> <p><a href="#">Alexandre V. ANDREEV</a> (IBPN)</p> <p><a href="#">Masayuki KURECHI</a> (JAWGP)</p>
		Yellow	 	<p>Since 1991 by JAWGP and IBPN in Kolyma, Yakutia</p>	<p><a href="#">Bird Ringing Centre of Russia</a></p> <p><a href="#">Alexandre V. ANDREEV</a> (IBPN)</p> <p><a href="#">Masayuki KURECHI</a> (JAWGP)</p>
		Blue		<p>N79-N84;</p> <p>In 1995 by JAWGP and IBPN in Kolyma, Yakutia</p>	<p><a href="#">Bird Ringing Centre of Russia</a></p> <p><a href="#">Alexandre V. ANDREEV</a> (IBPN)</p> <p><a href="#">Masayuki KURECHI</a> (JAWGP)</p>



Leg Band	Russia	Red		Chaun Delta, Chukotka, 2017	Diana Solovyeva diana_solovyova@mail.ru
		Red		Chaun Delta, Chukotka, 2016	Diana Solovyeva diana_solovyova@mail.ru
		Green		Indigirka R -Alazeya R, Yakutia, 2018	Alexey Antonov alex_bgsv@mail.ru
Neck band	South Korea	Yellow		Since 2004 in Cheorwon, Gangwon Province Mainly for rehabilitated/rescued birds A21 to A49 (except A28 which was a white band)	<a href="#">Wee-Haeng HUR</a> (NIBR) <a href="#">YoungJun KIM</a>
		White		Since 2004 in Cheorwon, Gangwon Province Mainly for rehabilitated/rescued birds H, T, O, and A followed by 2 digits	<a href="#">Wee-Haeng HUR</a> (NIBR) <a href="#">YoungJun KIM</a>
	Japan	Blue		N00-N45; In 1993/94 winter by JAWGP and USGS. E and C: From 10 April 2002 in Miyajimanuma, Hokkaido Yamashina Institute for Ornithology	<a href="#">Bird Migration Research Center, YIO</a> <a href="#">Masayuki KURECHI</a> (JAWGP)
	North America	Red	Red with 3 white digits	Alaska and northern Canada 1990-2008	<a href="#">Kathy Meeres</a>
Blue		Blue with 2-3 white digits	For Tule Goose subspecies California and sc Alaska 1994-2010	<a href="#">Dan Yparraguirre</a>	
<b>Lesser White-fronted Goose (<i>Anser albifrons</i>)</b>					
Leg band	Russia	Red		Chaun Delta, Chukotka, 2018	Diana Solovyeva diana_solovyova@mail.ru

Bean Goose ( <i>Anser fabalis</i> )					
Type	Country	Color	Example	Notes	Contact information
Neck band	Russia	White	 	For <i>Anser fabalis serrirostris</i> Since 1989 by JAWGP in Kamchatka, Yakutia, and Magadan	<a href="#">Bird Ringing Centre of Russia</a> <a href="#">Alexandre V. ANDREEV</a> (IBPN) <a href="#">Masayuki KURECHI</a> (JAWGP)
		Orange		For <i>Anser fabalis serrirostris</i> In 1984 by JAWGP in Kamchatka	<a href="#">Bird Ringing Centre of Russia</a> <a href="#">Masayuki KURECHI</a> (JAWGP)
		Red		For <i>Anser fabalis middendorffii</i> Since 1986 by JAWGP in Kamchatka	<a href="#">Bird Ringing Centre of Russia</a> <a href="#">Masayuki KURECHI</a> (JAWGP)
Leg band	Russia	White		For <i>Anser fabalis serrirostris</i> Chaun Delta, Chukotka, 2017, 2018	Diana Solovyeva diana_solovyova@mail.ru
		White		For <i>Anser fabalis serrirostris</i> Chaun Delta, Chukotka, 2016	Diana Solovyeva diana_solovyova@mail.ru
		Black		For <i>Anser fabalis serrirostris</i> Lena Delta, Sakha(Yakutia), 2017 Alazeya R (Yakutia), 2018	Diana Solovyeva diana_solovyova@mail.ru Alexey Antonov alex_bgsv@mail.ru

Neck band	Mongolia	Yellow		Since 2007 in Northern Mongolia by WCS	<a href="#">WCS neck collar report</a> <a href="#">Martin Gilbert</a> (WCS)
Neck band	Japan	Yellow		Since 1986 by Yamashina Institute for Ornithology & JAWGP	<a href="#">Bird Migration Research Center, YIO</a> <a href="#">Masayuki KURECHI</a> (JAWGP)
				B07, B17, B29 with tracker on <i>middendorffi</i> Jan 2017 at Fukushima, Japan	<a href="#">Sachiko Moriguchi</a> (Niigata University)



Greater White-fronted Goose (H41 on GREEN neck collar)  
Banded at Chukotka in lower Anadyr of Russia on 24 Jul 2005  
Observed at Togyo Reservoir in South Korea on 9 Dec 2007  
Photo by [Yong-Cheol LEE](#)



**Greater White-fronted Goose** (Z19 on YELLOW neck collar)  
Banded at lower Kolyma, Yakutia, Russia on 29 Jul 1995  
Observed at Cheonsu Bay in South Korea on 14 Oct 2008  
Photo by [Han-Soo SEO](#)



Greater White-fronted Goose (A41 on YELLOW neck collar)  
Banded and Rehabilitated at Cheorwon, South Korea on 3 Jun 2008  
Observed at Cheonsu Bay in South Korea on 25 Mar 2010  
Photo by [Dong-Pil OH](#)


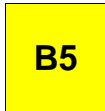





Bean Goose (F81 on WHITE neck collar)  
Banded at Moroshechnaya (Zvezdokan Lake) in Russia in July 1999  
Observed at Cheonsu Bay in South Korea on 18 Nov 2005 and on 22 Nov 2007  
Photo by [Hyun-Tae KIM](#)



Left: Greater White-fronted goose  
(17 on RED leg band)  
Right: Tundra Bean goose (A07 on  
BLACK leg band)





Bar-headed Goose ( <i>Anser indicus</i> )					
Type	Country	Color	Example	Notes	Contact information
Neck band	Mongolia	Green		Since 2008 in Northern and Western Mongolia by USGS/MAS/FAO/WSCC	<a href="#">Tseveenmyadag Natsagdorj</a> (MAS) <a href="#">Nyambayar Batbayar</a> (WSCC)
		Yellow		Since 2007 in Northern Mongolia by WCS	<a href="#">WCS neck collar report</a> <a href="#">Martin Gilbert</a> (WCS)
		Orange		Since 2008 in Northern Mongolia by WCS	<a href="#">WCS neck collar report</a> <a href="#">Martin Gilbert</a> (WCS)
Leg ring		Green		Since 2008 in Terkhiin Tsagaan Lake National Park, Northern Mongolia by USGS/MAS/FAO/WSCC	<a href="#">Tseveenmyadag Natsagdorj</a> (MAS) <a href="#">Nyambayar Batbayar</a> (WSCC)
Neck band	China	Light Blue		Since 2005 in Qinghai Lake National Bird Banding Center (NBBC) of China	<a href="#">Guogang ZHANG</a> (NBBC) <a href="#">Changqing DING</a> (Beijing Forestry University)




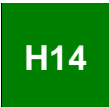
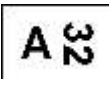


Bar-headed Geese (X25 on GREEN neck collar)  
 Banded in Mongolia on 13 July 2010  
 Photo by [Nyambayar Batbayar](#)



Bar-headed Geese (GREEN Leg bands)  
 Banded in Mongolia  
 Photo by [Nyambayar Batbayar](#)

Graylag Goose ( <i>Anser anser</i> )					
Type	Country	Color	Example	Notes	Contact information
Neck band	China	Blue		Since 2005 in Qinghai National Bird Banding Center (NBBC) of China	<a href="#">Guogang ZHANG</a> (NBBC) <a href="#">Changqing DING</a> (Beijing Forestry University)
		Green		Since 2005 in Jilin National Bird Banding Center (NBBC) of China	<a href="#">Guogang ZHANG</a> (NBBC) <a href="#">Changqing DING</a> (Beijing Forestry University)

Swan Goose ( <i>Anser cygnoides</i> )					
Type	Country	Color	Example	Notes	Contact information
Neck band	Russia	Blue	 	Since 2001 in Dauria and Lower Amur region	<a href="#">Oleg Goroshko</a> <a href="#">Bird Ringing Centre of Russia</a>
	Mongolia	Orange		Since 2006 in Eastern and Northern Mongolia	<a href="#">Tseveenmyadag Natsagdorj</a> (MAS) <a href="#">Nyambayar Batbayar</a> (WSCC) <a href="#">WCS neck collar report</a> <a href="#">Martin Gilbert</a> (WCS)
		Green		In Eastern and Northern Mongolia, few green collars were deployed in 2008, but no more was deployed since then.	<a href="#">Tseveenmyadag Natsagdorj</a> (MAS) <a href="#">Nyambayar Batbayar</a> (WSCC) <a href="#">WCS neck collar report</a> <a href="#">Martin Gilbert</a> (WCS)
	South Korea	White		In 2003 at Paju, Gyeonggi Province Only for three individuals (A31, A32, A33) by the National Institute for Environmental Research (NIER)	<a href="#">Jin-Young Park</a> (NIER) <a href="#">Kisup Lee</a> (Korea Waterbird Network)



Swan Goose (R2M on BLUE neck collar)  
 Banded at Udyl Lake, Russia on 16 Aug 2006  
 Observed at Cheonsu Bay in South Korea on 6 Dec 2006  
 Photo by DVM [Shin-Hwan KIM](#)




Swan Goose (M13 on ORANGE neck collar)  
 Banded in Mongolia on 30 July 2006  
 Photo by [Nyambayar Batbayar](#)

Cackling Goose ( <i>Branta hutchinsii</i> )						
Type	Country	Color	Example	Notes	Contact information	
Neck band	North America	Yellow	Yellow with 3 Black digits	Yukon Delta 1984-2005	<a href="#">Craig Ely</a> (USGS Alaska Science Center)	
		Blue	Blue with 3 White digits	For Aleutian Cackling Geese on Buldir Island, Alaska since 2009 J00-J99 by Humboldt State University	<a href="#">Jeff Black</a> <a href="#">Dan Yparraguirre</a>	


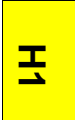



## Anatidae III (ducks)


Ducks					
Type	Country	Color	Example	Notes	Contact information
Nasal saddle	China	Blue: Tumuji nature reserve in inner Mongolia		Codes used: 00-99, A0-Z9, 0A-9Z, AA-ZZ. Since 2012, coordinated by the National Bird Banding Center of China	<a href="#">Lu Jun</a>
		Red : Shengjin Lake in Anhui Province		Codes used: 00-99, A0-Z9, 0A-9Z, AA-ZZ. Since 2013, coordinated by the National Bird Banding Center of China	
		Orange : Jiuduansha nature reserve in Shanghai		Codes used: 00-99, A0-Z9, 0A-9Z, AA-ZZ. Since 2011, coordinated by the National Bird Banding Center of China	
		Green : Xingkai Lake in Heilongjiang Province		Codes used: 00-99, A0-Z9, 0A-9Z, AA-ZZ. Since 2013, coordinated by the National Bird Banding Center of China	
		White : Poyang Lake in Jiangxi Province		Codes used: 00-99, A0-Z9, 0A-9Z, AA-ZZ. Since 2014, coordinated by the National Bird Banding Center of China	

Leg Band	Japan	Green and Blue		Since 2009, mainly on Northern Pintails and Eurasian Wigeons	Nobuhiko Kataoka Japanese Bird Banding Association
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### Scaly-sided Merganser (*Mergus squamatus*)

Type	Country	Color	Example	Notes	Contact information
Leg ring	Russia	Yellow	 	Since 2006 in Primorye	<a href="#">Diana Solovyeva</a>
Leg ring	China	Red		Since 2008 in Heilongjiang National Bird Banding Center of China	<a href="#">Guogang ZHANG</a> (NBBC) <a href="#">Changqing DING</a> (Beijing Forestry University)

### Spectacled Eider (*Somateria fischeri*)

Type	Country	Color	Example	Notes	Contact information
Leg ring	Russia	Red		Since 2003 in Chukotka	<a href="#">Diana Solovyeva</a>



Female Scaly-sided Merganser (leg ring H1)

Ringed in Kievka River, Primorye, Russia on 2 April 2008

Photo by [Diana Solovyeva](#)



Female Spectacled Eider (leg red ring)

Ringed on Ayopechan Island, Chukotka, Russia on 29 June 2009.

Photo by Valery Shokhrin

Last update: 5 February 2019

For more information or for error correction, please contact the [EAAF Secretariat](#).