

H10

1900

1950

2000

2050

1965Avian/Aqual/Italy/1117/1965ItalyH10N8
1949Avian/A/chicken/Germany/N/1949GermanyH10N7
1980Avian/A/duck/Hong_Kong/938/80/Hong_KongH10N1
1985Avian/A/duck/Hubei/137/1985ChinaH10N4
1981Avian/A/swan/Shimane/1331/1981JapanH10N6
1983Avian/A/chicken/Hubei/119/1983ChinaH10N5
1978Avian/A/duck/Hong_Kong/562/1979/Hong_KongH10N9
1988Avian/A/whistling_swan/Shimane/468/1988JapanH10N4
1985Avian/A/towl/HongKong/PD378/1985United_KingdomH10N4
2006Avian/A/duck/Indonesia/Jakarta_Utara/1631-29/2006IndonesiaH10
1997Avian/A/duck/Shimane/45/1997JapanH10N7
2008Avian/A/duck/Jiangxi/1591/2008ChinaH10N7
2000Avian/A/duck/Hokkaido/18/00/JapanH10N4
2004Avian/A/duck/Hokkaido/24/04/JapanH10N5
2001Avian/A/avian/Israel/297/2001IsraelH10N7
2000Avian/A/avian/Israel/218/2000IsraelH10N7
2000Avian/A/mallard/Netherlands/02/2000NetherlandsH10N7
2003Avian/A/mallard/Sweden/77/2003SwedenH10N8
2006Avian/A/mallard/Netherlands/4/2006NetherlandsH10N6
2006Avian/A/mute_swan/Netherlands/1/2006NetherlandsH10N7
2007Avian/A/mallard/Netherlands/1/2007NetherlandsH10N7
2008Avian/A/duck/Tsukuba/574/2006JapanH10N1
2008Avian/A/duck/Jiangxi/468/2006ChinaH10N7
2006Avian/A/northern_shoveler/Hong_Kong/MPC657/2006Hong_KongH10N9
2006Avian/A/shorebird/Korea/S331/2006South_KoreaH10N9
2001Avian/A/strich/South_Africa/2001/South_AfricaH10N1
2004Avian/A/mallard/Sweden/4411/2004SwedenH10N4
2002Avian/A/mallard/Sweden/4/2002SwedenH10N2
2008Avian/A/mallard/Sweden/51548/2008SwedenH10N4
2008Avian/A/mallard/Sweden/9004/2008SwedenH10N4
2005Avian/A/migratory_duck/Jiangxi/593/2005ChinaH10N8
2007Avian/A/duck/Hokkaido/W87/2007JapanH10N2
2009Avian/A/duck/Jiangxi/3078/2009ChinaMixedH10
2009Avian/A/duck/Thailand/LM-CU4752/2009ThailandH10N3
2008Avian/A/northern_shoveler/Hong_Kong/MPE2531/2008Hong_KongH10N9
2009Avian/A/wild_bird/Korea/A323/2009South_KoreaH10N1
2009Avian/A/wild_bird/Korea/L110-3/2009South_KoreaH10N4
2009Avian/A/pintail/Korea/188/2009South_KoreaH10N4
2006Avian/A/herring_gull/Netherlands/4/2006NetherlandsH10N4
2003Avian/A/migratory_duck/Jiangxi/6847/2003ChinaH10N5
2003Avian/A/duck/Mongolia/149/03/MongoliaH10N5
2009Avian/A/mallard/Switzerland/WV1090023/2009SwitzerlandH10
2007Avian/A/mallard/Sweden/64476/2007SwedenH10N4
2008Avian/A/duddy_turnstone/Netherlands/9/2008NetherlandsH10N4
2008Avian/A/mallard/Sweden/93475/2008SwedenH10N6
2010Avian/A/long-tailed_duck/Wisconsin/100S3819/2010USAH10N6
2005Avian/A/avian/Israel/824/2005IsraelH10N2
2007Avian/A/Eurasian_wigeon/Netherlands/4/2007NetherlandsH10N1
2006Avian/A/mallard/Bavaria/3/2006GermanyH10N7
2009Avian/A/Pekin_duck/South_Africa/A11642/2009South_AfricaH10N7
2012Avian/A/duck/Guangdong/E1/2012ChinaH10N8
2001Avian/A/mallard/Lithuania/EMC-1/2010LithuaniaH10N4
2008Avian/A/mallard/Netherlands/71/2008NetherlandsH10N7
2011Avian/A/mallard/Republic_of_Georgia/12/2011GeorgiaH10N4
2011Avian/A/mallard/Lithuania/EMC-1/2011LithuaniaH10N4
2009Avian/A/duddy_turnstone/Netherlands/2/2009NetherlandsH10N4
2009Avian/A/mallard/Netherlands/30/2009NetherlandsH10
2008Avian/A/avian/Israel/543/2008IsraelH10N7
2010Avian/A/duddy_shelduck/Mongolia/74/2010MongoliaH10N7
2010Avian/A/mallard/Korea/1242/2010South_KoreaH10N6
2013Avian/A/chicken/Jiangsu/RD5/2013ChinaH10N9
2009Avian/A/surf_scooter/Mongolia/878V/2009MongoliaH10N8
2009Avian/A/common_teal/Hong_Kong/MPK630/2009Hong_KongH10N9
2010Avian/A/wild_bird/Korea/A12/2010South_KoreaH10N1
2011Avian/A/wild_bird/Korea/A01/2011South_KoreaH10N4
2011Avian/A/duck/Hunan/S1496/2011ChinaH10N8
2012Avian/A/goose/Guizhou/R29/2012ChinaH10N7
2012Avian/A/mallard/Egypt/EMC-2/2012EgyptH10N7
2010Avian/A/mallard/Netherlands/50/2010NetherlandsH10N7
2014Avian/A/mallard/Netherlands/1/2014NetherlandsH10N7
2011Avian/A/mallard/Sweden/133546/2011SwedenH10N4
2012Avian/A/mallard/Netherlands/1/2012NetherlandsH10N7
2010Avian/A/domestic_duck/Republic_of_Georgia/1/2010GeorgiaH10N7
2012Avian/A/duck/Vietnam/LB300/2012VietnamH10N2
2015Avian/A/duck/Mongolia/626/2015MongoliaH10N7
2015Avian/A/duck/Mongolia/66/2015MongoliaH10N2
2013Avian/A/duck/Jiangxi/6634/2013ChinaH10N8
2014Avian/A/duck/Jiangxi/JXA132712/2014ChinaH10N8
2014Avian/A/chicken/Jiangxi/1270/2014ChinaH10N8
2011Avian/A/silver_teal/Argentina/CIP051-175/2011ArgentinaH10N7*
2011Avian/A/silver_teal/Argentina/CIP051-171/2011ArgentinaH10N7*
1953Avian/A/mallard/Montebello/1953/1953USAH10N1
1978Avian/A/blue-winged_teal/ALB/778/1978CanadaH10N3
1977Avian/A/pintail_duck/ALB/303/1977CanadaH10N7
1977Avian/A/mallard_duck/ALB/302/1977CanadaH10N7
1979Avian/A/mallard/Wisconsin/230/1979USAH10N7
1981Avian/A/scaup/Saskatchewan/9/1981CanadaH10N7
1979Avian/A/mallard_duck/Minnesota/19/1979USAH10N7
1979Avian/A/turkey/MN/3/1979USAH10N7
1983Avian/A/mallard/Wisconsin/1350/1983USAH10N7
1981Avian/A/mallard/Wisconsin/27/1981USAH10N7
1981Avian/A/mallard/Saskatchewan/65/1981CanadaH10N7
1984Avian/A/mallard/Wisconsin/2364/1984USAH10N3
1985Avian/A/duck/Wisconsin/2632/1985USAH10N3
1986Avian/A/mallard/Alberta/553/1986CanadaH10N7
1984Avian/A/pintail_duck/ALB/584/1984CanadaH10N6
1987Avian/A/duddy_turnstone/Delaware_Bay/2783/1987USAH10N7
1987Avian/A/red_knot/Delaware/2561/1987USAH10N5
1987Avian/A/green-winged_teal/Louisiana/272GW/1987USAH10N2
1989Avian/A/mallard/Ohio/122/1989USAH10N7
1990Avian/A/duddy_turnstone/New_Jersey/146/1990USAH10N7
1991Avian/A/duck/Alaska/658/1991USAH10N7
1991Avian/A/pintail/Alberta/128/1993CanadaH10N7
1995Avian/A/aqual/NJ/2524-22/1995USAH10N1
1996Avian/A/shorebird/DE/23/96USAH10N9
1996Avian/A/laughing_gull/Delaware_Bay/245/1996USAH10N2
1996Avian/A/duddy_turnstone/Delaware_Bay/118/1996USAmixedH10
1999Avian/A/shorebird/Delaware_Bay/180/1999USAH10N7
1999Avian/A/chicken/California/755/1999USAH10N7
1999Avian/A/aqual/California/1022/1999USAH10N7
1989Avian/A/green-winged_teal/Louisiana/169GW/1989USAH10N7
1991Avian/A/turkey/VA/51409/1991USAH10N7
1995Avian/A/mallard/ALB/5/1995CanadaH10N1
1996Avian/A/emu/California/2092/1996USAH10N7
1998Avian/A/mallard/Alberta/71/1998CanadaH10N7
1996Avian/A/mallard/ALB/196/1996CanadaH10N7
1997Avian/A/mallard/Alberta/90/1997CanadaH10N7
2000Avian/A/duddy_turnstone/New_Jersey/A100-143/2000USAH10N4
2000Avian/A/duddy_turnstone/Delaware/A100-1121/2000USAH10N5
2000Avian/A/shorebird/Delaware_Bay/211/2000USAH10N7
2000Avian/A/blue-winged_teal/Texas/108/2000USAH10N7
2000Avian/A/northern_shoveler/TX/56/2000USAH10N7
2006Avian/A/thick-billed_murre/Alaska/44085-049/2006USAH10N3
2006Avian/A/mallard/Maryland/06051/2006USAH10N4
2002Avian/A/mallard/Alberta/150/2002CanadaH10N7
2000Avian/A/mallard/Alberta/208/2000CanadaH10N7
2000Avian/A/pintail/Alberta/202/2000CanadaH10N7
2001Avian/A/mallard/Maryland/173/2001USAH10N7
2001Avian/A/shorebird/Delaware_Bay/43/2001USAH10N7
2001Avian/A/red_knot/NJ/1443/2001USAH10N7
2001Avian/A/duddy_turnstone/DE/1529/2001USAH10N7
2001Avian/A/duddy_turnstone/NJ/1956/2001USAH10N7
2001Avian/A/red_knot/GA/1721/2001USAH10N7
2001Avian/A/red_knot/DE/1587/2001USAH10N7
2003Avian/A/mallard/Maryland/210/2003USAH10N7
2003Avian/A/mallard/Alberta/209/2003CanadaH10N7
2006Avian/A/mallard/Interior_Alaska/6MP0758/2006USAH10N8
2005Avian/A/longtail_duck/Maryland/295/2005USAH10N8
2006Avian/A/mallard/Alberta/65/2006CanadaH10N7
2007Avian/A/northern_shoveler/California/HKWF66/2007USAH10N7
2004Avian/A/duddy_turnstone/DE/167/2004USAH10N7
2004Avian/A/shorebird/Delaware_Bay/10/2004USAH10N7
2004Avian/A/duddy_turnstone/New_Jersey/114868/2004USAH10N8
2004Avian/A/sanderling/New_Jersey/1148674/2004USAH10N7
2004Avian/A/mallard/North_Carolina/1321371/2004USAH10N7
2006Avian/A/mallard/California/K752/2006USAH10N7
2008Avian/A/northern_shoveler/California/9235/2008USAH10N8
2007Avian/A/mallard/California/AKS478/2007USAH10N7
2006Avian/A/duddy_turnstone/Peru/XVII/2006PeruH10N9
2006Avian/A/oystercatcher/Peru/34/2006PeruH10N9
2006Avian/A/northern_pintail/California/44221-655/2006USAH10N8
2006Avian/A/green-winged_teal/California/JN1328/2007USAH10N7
2007Avian/A/green-winged_teal/California/JN1328/2007USAH10N7
2007Avian/A/northern_pintail/California/44291-4399/2007USAH10N3
2009Avian/A/American_coot/Mississippi/09OS614/2009USAH10N3
2009Avian/A/American_coot/Illinois/3405/2009USAH10N3
2014Avian/A/blue-winged_teal/Louisiana/UGA114-179/2014USAH10N3
2012Avian/A/northern_shoveler/Illinois/12OS5294/2012USAH10N3
2006Avian/A/American_green-winged_teal/Alaska/44160-020/2006USAH10N7
2008Avian/A/king_eider/Alaska/44397-858/2008USAH10N9
2007Avian/A/harlequin_duck/Alaska/44307-150/2007USAH10N1
2007Avian/A/cinnamon_teal/California/44287-659/2007USAH10N3
2008Avian/A/Stellers_eider/Alaska/44422-123/2008USAH10N1
2009Avian/A/green-winged_teal/California/00083/2009USAH10N7
2011Avian/A/American_wigeon/California/2930/2011USAH10N3
2011Avian/A/greater_scaup/Wisconsin/11OS5760/2011USAH10N2
2011Avian/A/American_green-winged_teal/Interior_Alaska/11BM00304/2011USAH10N5
2012Avian/A/mallard/Minnesota/225/2012USAH10N1
2012Avian/A/blue-winged_teal/TX/AI12-801/2012USAH10N3
2014Avian/A/harlequin_duck/Alaska/250/2014USAH10N7
2006Avian/A/ring-necked_duck/Michigan/588/2006USAmixedH10
2006Avian/A/ring-necked_duck/Quebec/10513/2006CanadaH10N7
2007Avian/A/mallard/Maryland/07OS92/2007USAH10N7
2006Avian/A/northern_shoveler/Washington/44249-765/2006USAH10N2
2009Avian/A/northern_shoveler/California/JN950/2009USAH10N7
2007Avian/A/gadwall/California/44287-543/2007USAH10N7
2007Avian/A/common_murre/Oregon/20361-001/2007USAH10N7
2007Avian/A/American_black_duck/New_Brunswick/04395/2007CanadaH10N7
2007Avian/A/northern_pintail/Alaska/44344-296/2007USAH10N7
2008Avian/A/sanderling/New_Jersey/Sg-00486/2008USAH10N7
2008Avian/A/shorebird/Delaware_Bay/379/2008USAH10N8
2008Avian/A/duddy_turnstone/Delaware/Sg-00468/2008USAH10N7
2008Avian/A/mallard/Minnesota/A106-1/2008USAH10N3
2007Avian/A/blue-winged_teal/Alberta/271/2007CanadaH10N7
2007Avian/A/mallard/Alberta/284/2007CanadaMixedH10
2008Avian/A/oystercatcher/Peru/MM152/2008PeruH10N7
2008Avian/A/duddy_turnstone/Peru/MM149/2008PeruH10N7
2008Avian/A/green-winged_teal/California/10197/2008USAH10N7
2008Avian/A/mallard/California/6957/2008USAH10N7
2009Avian/A/northern_pintail/Interior_Alaska/10B11380R0/2010USAH10N6
2008Avian/A/mallard/Minnesota/Sg-00630/2008USAH10N7
2008Avian/A/blue-winged_teal/Minnesota/Sg-00899/2008USAH10N6
2009Avian/A/northern_shoveler/Mississippi/09OS168/2009USAH10N6
2008Avian/A/blue-winged_teal/North_Dakota/Sg-00730/2008USAH10N7
2009Avian/A/lesser_scaup/Wisconsin/3964/2009USAH10N3
2010Avian/A/American_green-winged_teal/Mississippi/404/2010USAmixedH10
2010Avian/A/northern_shoveler/Mississippi/22/2010USAH10N7
2010Avian/A/mallard/Mississippi/329/2010USAH10N7
2009Avian/A/mallard/Wisconsin/4230/2009USAH10N1
2011Avian/A/black-headed_gull/Iceland/1298/2011IcelandH10N5
2011Avian/A/black_scooter/Maine/276/2011USAH10N7
2010Avian/A/mallard-black_duck_hybrid/New_Brunswick/00904/2010CanadaH10N7
2009Avian/A/mallard/Maryland/09OS2237/2009USAH10N6
2010Avian/A/mallard/Nova_Scotia/00375/2010CanadaH10N7
2014Avian/A/mallard/Maryland/13OS3035/2014USAH10N7
2008Avian/A/mallard/Maryland/08OS311/2008USAH10N7
2008Avian/A/duddy_turnstone/New_Jersey/Sg-00490/2008USAH10N7
2007Avian/A/blue-winged_teal/Texas/Sg-00086/2007USAH10N7
2007Avian/A/blue-winged_teal/Louisiana/Sg-00073/2007USAH10N7
2007Avian/A/ring-necked_duck/Minnesota/Sg-00065/2007USAH10N7
2007Avian/A/mallard/Minnesota/Sg-00065/2007USAH10N7
2009Avian/A/duck/Peru-PuV196/2009PeruH10N2
2009Avian/A/mallard/Minnesota/A109-1669/2009USAH10N3
2008Avian/A/northern_shoveler/Minnesota/Sg-00512/2008USAH10N7
2010Avian/A/mallard/California/1305/2010USAH10N7
2010Avian/A/mallard/Interior_Alaska/10B01929R0/2010USAH10N7
2009Avian/A/northern_pintail/Interior_Alaska/9BM499R0/2009USAH10N7
2009Avian/A/American_green-winged_teal/Interior_Alaska/9BM6702R0/2009USAH10N7
2008Avian/A/blue-winged_teal/Alberta/405/2008CanadaH10N7
2009Avian/A/mallard/Arkansas/A109-6032/2009USAH10N9
2009Avian/A/northern_shoveler/Arkansas/A109-6012/2009USAH10N3
2009Avian/A/northern_shoveler/Missouri/141/2009USAmixedH10
2013Avian/A/American_green-winged_teal/Ohio/13OS1869/2013USAH10N8
2013Avian/A/mallard/Ontario/13OS4098/2013CanadaH10N3
2014Avian/A/mallard/Maryland/13OS3035/2014USAH10N7
2009Avian/A/duddy_turnstone/Delaware/A109-879/2009USAH10N7
2009Avian/A/shorebird/Delaware_Bay/107/2009USAH10N7
2009Avian/A/duddy_turnstone/New_Jersey/A109-961/2009USAH10N7
2009Avian/A/herring_gull/New_Jersey/A109-1262/2009USAH10N7
2008Avian/A/mallard/Illinois/08OS2710/2008USAH10N7
2011Avian/A/northern_shoveler/California/3628/2011USAH10N3
2010Avian/A/mallard/Missouri/10MO0391/2010USAH10N4
2012Avian/A/blue-winged_teal/Ohio/12OS2138/2012USAH10N9
2012Avian/A/northern_shoveler/Mississippi/12OS231/2012USAmixedH10
2011Avian/A/mallard/Minnesota/A11-4412/2011USAH10N7
2012Avian/A/mallard/Maryland/11OS3818/2012USAH10N7
2011Avian/A/mallard/Wisconsin/11OS3578/2011USAH10N7
2011Avian/A/American_green-winged_teal/Wisconsin/11OS3499/2011USAH10N7
2012Avian/A/northern_shoveler/Missouri/12OS5185/2012USAH10N3
2012Avian/A/mallard/Missouri/12OS5756/2012USAH10N7
2013Avian/A/mallard/Maryland/13OS0783/2013USAH10N7
2012Avian/A/mallard/Arkansas/12OS184/2012USAH10N7
2012Avian/A/American_green-winged_teal/Mississippi/12OS405/2012USAH10N7
2010Avian/A/American_wigeon/Missouri/10MO0530/2010USAmixedH10
2010Avian/A/mallard/Wisconsin/10OS3881/2010USAmixedH10
2011Avian/A/northern_shoveler/Missouri/11OS1966/2011USAH10N3
2010Avian/A/northern_shoveler/Missouri/11OS478/2010USAH10N7
2010Avian/A/mallard/Illinois/10OS4334/2010USAH10N7
2012Avian/A/northern_shoveler/Arkansas/12OS180/2012USAH10N3
2011Avian/A/blue-winged_teal/Texas/A11-3745/2011USAmixedH10
2013Avian/A/northern_shoveler/Alaska/ND000694/2013USAH10N7
2012Avian/A/mallard/Mississippi/12OS445/2012USAH10N3
2013Avian/A/mallard/Missouri/13OS6556/2013USAH10N7
2010Avian/A/northern_shoveler/Missouri/13OS188/2010USAH10N8
2013Avian/A/green-winged_teal/Missouri/13OS6332/2013USAH10N3