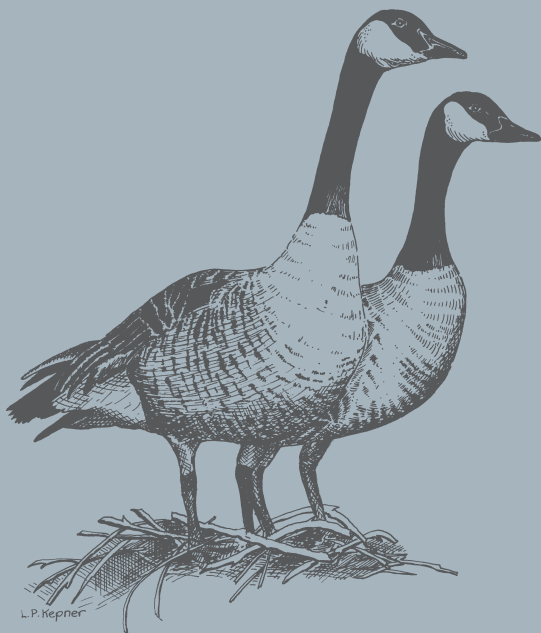


Arizona Waterfowl and Snipe Regulations 2012-2013



Arizona Game and Fish Department

5000 W. Carefree Highway
Phoenix, Arizona 85086

(602) 942-3000
www.azgfd.gov



Synopsis of Federal Regulations Applicable to Migratory Bird Hunting

Federal regulations regarding bird hunting are described in the Code of Federal Regulations (CFR). These can be found at www.gpoaccess.gov/cfr/index.html. The regulations below can be found at 50 CFR 20.21 unless otherwise noted. An electronic version of these regulations can be found by downloading this booklet as a PDF at www.azgfd.gov/rules.

WEAPON – Migratory game birds may be taken only with a 10 gauge or smaller shotgun capable of holding not more than three shells unless it is plugged with a one-piece filler, incapable of removal without disassembling the gun, so the gun's total capacity does not exceed three shells. Birds may also be taken by falconry, bow and arrow, or crossbow.

MOTOR-VEHICLE RESTRICTIONS – No person may take migratory game birds from or by means, aid, or use of any motor vehicle, motor-driven land conveyance, or aircraft of any kind. Special regulations govern handicapped hunters.

WATERCRAFT RESTRICTIONS – Migratory game birds may not be taken from or by means of any watercraft or other craft having a motor attached, or any sailboat, unless the motor has been completely shut off and/or the sails furled, and its progress there from has ceased. A watercraft under power may be used to retrieve dead or crippled birds but no shooting is permitted while the watercraft is underway. No person shall take migratory game birds by means or aid of any motor driven land, water, or air conveyance, or any sailboat used for the purpose of or resulting in the concentrating, driving, rallying, or stirring up of any migratory bird.

DECOYS, CALLS AND BAITING – Migratory game birds may not be taken by the use or aid of live decoys, recorded or electronically amplified bird calls or recorded or electrically amplified imitations of bird calls or sounds. It is illegal to take birds by the aid of baiting, or on or over any baited area, where a person knows or reasonably should know that the area is or has been baited. An area is considered baited for 10 days after the complete removal of all bait. It is legal to take migratory game birds, except waterfowl, coots and cranes, on or over lands or areas that are not otherwise baited areas, and where grain or other feed has been distributed or scattered solely as the result of manipulation of an agricultural crop or other feed on the land where grown, or solely as the result of a normal agricultural operation.

RETRIEVAL AND TAGGING – No person shall kill or cripple any migratory game bird without making a reasonable effort

Arizona Game and Fish Department

5000 W. Carefree Highway
Phoenix, Arizona 85086

(602) 942-3000
www.azgfd.gov



The Arizona Game and Fish Department prohibits discrimination on the basis of race, color, sex, national origin, age, disability in its programs and activities. Discrimination on the basis of sex is prohibited in federally assisted AGFD programs. If anyone believes that they have been discriminated against in any of the AGFD's programs or activities, including its employment practices, the individual may file a complaint alleging discrimination directly with the AGFD Director's Office, 5000 W. Carefree Highway, Phoenix, AZ 85086, (602) 942-3000 or U.S. Fish and Wildlife Service, 4040 N. Fairfax Dr., Suite 130, Arlington, VA 22203. If you require this document in an alternative format, please contact the AGFD Director's Office as listed above or by calling TTY at 1-800-367-8939.

to retrieve the bird and retain it in his actual custody while in the field. Crippled birds must be killed immediately. Any birds given to or left with another person must be tagged by the hunter with a tag showing his signature, address, the number and species of birds, and the dates they were killed. Packages in which migratory game birds are shipped must show the names and addresses of the sender and receiver, and the number and species of birds contained in the parcel. (50 CFR 20.25, 20.36, 20.44)

BAG LIMIT – No person may, during any one day, take more than one daily bag limit or possess more than one daily bag limit in the field, or while returning to the car, hunting camp or home. (50 CFR 20.24, 20.35)

IMPORTATION – For information regarding the importation of migratory game birds killed in another country, hunters should consult federal regulations. One fully feathered wing must remain attached to all migratory game birds being transported between the port of entry and the hunter’s home or to a migratory bird preservation facility. No person shall import any migratory game birds from any country except Canada unless such birds are dressed, drawn and the head and feet are removed. Special regulations govern consignment to an approved and licensed taxidermist. No person shall import migratory game birds belonging to another person. (50 CFR 20.61 through 20.66)

SEASON AND HOURS – No person may take migratory game birds during the closed season. Migratory game birds may be taken only during hours open to hunting. (50 CFR 20.22, 20.23)

ONE FEATHERED WING – Sportsmen should note that one feathered wing (or head for sandhill crane only) must be left attached to all migratory game birds until they reach their final destination.

NON-TOXIC SHOT – No person may take ducks, geese (including brant), or coots while possessing shot (either in shotshells or as loose shot for muzzleloading) other than approved non-toxic shot. For a list of approved non-toxic shot, see www.fws.gov/migratorybirds/currentbirdissues/nontoxic.htm.

Monuments and military areas

The Grand Canyon-Parashant, Vermilion Cliffs, Sonoran Desert, Ironwood Forest, and Agua Fria National Monuments are open to hunting. Camp Navajo in Unit 6B is open to hunting only to properly licensed members of the Arizona National Guard and Camp Navajo civilian personnel holding a valid Camp Navajo hunting permit. Season dates and regulations must be obtained from the Arizona National Guard. The Fort Huachuca Army Garrison in Unit 35A is open to hunting only to properly licensed military and Fort Huachuca civilian personnel holding a valid Fort Huachuca post hunting permit. Season dates and special regulations must be obtained from Fort Huachuca.

The Florence Military Reservation (training areas B and D: the areas north and south of Cottonwood Canyon Road) in Unit 37B is subject to short term closures due to military operations, including live fire operations, and requires coordination with the Florence Military Reservation for hunting access. For specific closure dates or any other access concerns, contact the Florence Military Reservation at 602-267-2062. A map of the Florence Military Reservation is located on the Arizona Game and Fish Department’s website, www.azgfd.gov (type Florence Military Reservation in the search box).

Banded birds

Hunters can report recovery of banded birds by calling 1-800-327-BAND (2263).

Waterfowl hunting information

Waterfowl hunting information is available by visiting the Arizona Game and Fish Department’s website at www.azgfd.gov/hunting and selecting Waterfowl Hunting in the left menu bar.

Waterfowl: Commission Order 21

GENERAL WATERFOWL

Open Areas do not include areas within municipal parks, municipal preserves, county parks, county preserves, airports, golf courses, or posted water treatment facilities (except as specifically opened in this Commission Order) or areas closed to hunting under A.R.S. Sections 17-303 and 17-304 or Commission Rules R12-4-301, R12-4-801, R12-4-802 and R12-4-803.

Season Dates	Notes	Open Areas	Legal Wildlife
Oct 19, 2012 - Jan 27, 2013	(1,3,4,5,7,8,9,10,11,12,13,14,15,16,17,18,19,20,22)	Desert Zone: those portions of Units 6 and 8 within Yavapai County and Units 10 and 12B through 47M	Ducks including mergansers, coots, and common moorhens (gallinules)
Oct 5, 2012 - Jan 13, 2013	(2,3,4,7,21,22)	Mountain Zone: Units 1-5, 7, 9, 11M, 12A and those portions of Units 6 and 8 within Coconino County	Ducks including mergansers, coots, and common moorhens (gallinules)
Oct 19, 2012 - Jan 27, 2013	(1,3,4,5,7,8,9,10,11,12,13,14,15,16,17,18,19,20,22)	Desert Zone: those portions of Units 6 and 8 within Yavapai County and Units 10 and 12B through 47M EXCEPT Units 22, 23 and 27	White geese (snow, blue and Ross') and dark geese (Canada and white-fronted)
Oct 5, 2012 - Jan 13, 2013	(2,3,4,7,21,22)	Mountain Zone: Units 2-5, 7, 9, 11M, 12A and those portions of Units 6 and 8 within Coconino County	White geese (snow, blue and Ross') and dark geese (Canada and white-fronted)
Nov 15, 2012 - Jan 13, 2013	(3,4)	Special Goose Seasons: Units 1 and 27	White geese (snow, blue and Ross') and dark geese (Canada and white-fronted)
Nov 15, 2012 - Jan 30, 2013	(3,4)	Special Goose Seasons: Units 22 and 23	White geese (snow, blue and Ross') and dark geese (Canada and white-fronted)

LAWFUL TAKING DEVICE: Shotgun, crossbow, bow and arrow or falconry as prescribed in R12-4-304.

LICENSE REQUIRED: Any valid hunting license plus a valid Arizona Waterfowl Stamp and Federal Migratory Bird Hunting Stamp (i.e., federal Duck Stamp). Falconers must be licensed pursuant to R12-4-422 or exempted pursuant to R12-4-407.

SHOOTING HOURS: One-half hour before sunrise until sunset.

BAG LIMIT: The daily bag limit of ducks, including mergansers: Seven (7) per day not to include more than: two (2) redheads; two (2) pintails; seven (7) mallards, no more than two (2) of which may be female or Mexican-like ducks; seven (7) scaup, and one (1) canvasback. Coots and common moorhens (gallinules): Twenty-five (25) per day, singly or in the aggregate.

Geese: Six (6) white geese (snow, including blue and Ross' geese) per day and three (3) dark geese (Canada and white-fronted) per day.

FALCONRY BAG LIMIT: See Falconry-Only section.

POSSESSION LIMIT: The possession limit of ducks including mergansers: Fourteen (14) after opening day, only seven (7) of which may be taken any one day, but no more than:

- a. four (4) redheads
- b. four (4) female mallards or Mexican-like ducks
- c. four (4) pintails
- d. fourteen (14) scaup
- e. two (2) canvasbacks

Coots and common moorhens (gallinules): Twenty-five (25) singly or in the aggregate.

Geese: Twelve (12) white geese (snow, including blue and Ross' geese) and six (6) dark geese (Canada and white-fronted).

FALCONRY POSSESSION LIMIT: See Falconry-Only section.

Waterfowl: Commission Order 21

JUNIORS-ONLY WATERFOWL

Open Areas do not include areas within municipal parks, municipal preserves, county parks, county preserves, airports, golf courses, or posted water treatment facilities (except as specifically opened in this Commission Order) or areas closed to hunting under A.R.S. Sections 17-303 and 17-304 or Commission Rules R12-4-301, R12-4-801, R12-4-802 and R12-4-803.

Season Dates	Notes	Open Areas	Legal Wildlife
Feb 2 - Feb 3, 2013	(1,3,4,5,7,8,9,10,11,12,13,14,15,16,17,18,19,20,22)	Desert Zone: Those portions of Units 6 and 8 lying within Yavapai County and Units 10 and 12B through 47M	Ducks including mergansers, coots, and common moorhens (gallinules); Including white geese (snow, blue and Ross') and dark geese (Canada and white-fronted)
Sep 29 - Sep 30, 2012	(2,3,4,7,21,22)	Mountain Zone: Units 1-5, 7, 9, 11M, 12A, and those portions of Units 6 and 8 within Coconino County	Ducks including mergansers, coots, and common moorhens (gallinules); Including white geese (snow, blue and Ross') and dark geese (Canada and white-fronted)

LAWFUL TAKING DEVICE: Shotgun, crossbow, or bow and arrow as prescribed in R12-4-304.

LICENSE REQUIRED: Any valid hunting license required for participating age 14 and 15; participants age 16 or older must have a valid Arizona Waterfowl Stamp and Federal Migratory Bird Hunting Stamp (i.e., federal Duck Stamp); participants under 14 need not be licensed if accompanied by a licensed adult as prescribed in A.R.S. 17-335.

ELIGIBLE HUNTERS: Pursuant to R12-4-318 persons are eligible to participate throughout the calendar year of their 17th birthday.

SHOOTING HOURS: One-half hour before sunrise until sunset.

BAG LIMIT: The daily bag limit of ducks, including mergansers: Seven (7) per day not to include more than: two (2) redheads; two (2) pintails; seven (7) mallards, no more than two (2) of which may be female or Mexican-like ducks; seven (7) scaup; and one (1) canvasback. Coots and common moorhens (gallinules): Twenty-five (25) per day, singly or in the aggregate.

Geese: Six (6) white geese (snow, including blue and Ross' geese) per day and three (3) dark geese (Canada and white-fronted) per day.

POSSESSION LIMIT: The possession limit of ducks including mergansers: Fourteen (14) after opening day, only seven (7) of which may be taken any one day, but no more than:

- a. four (4) redheads
- b. four (4) female mallards or Mexican-like ducks
- c. four (4) pintails
- d. fourteen (14) scaup
- e. two (2) canvasbacks

Coots and common moorhens (gallinules): Twenty-five (25) singly or in the aggregate.

Geese: Twelve (12) white geese (snow, including blue and Ross' geese) and six (6) dark geese (Canada and white-fronted).

Waterfowl: Commission Order 21

FALCONRY-ONLY WATERFOWL

Open Areas do not include areas within municipal parks, municipal preserves, county parks, county preserves, airports, golf courses, or posted water treatment facilities (except as specifically opened in this Commission Order) or areas closed to hunting under A.R.S. Sections 17-303 and 17-304 or Commission Rules R12-4-301, R12-4-801, R12-4-802 and R12-4-803.

Season Dates	Notes	Open Areas	Legal Wildlife
Jan 28 - Jan 31, 2013	(4,6,7,8,9,11,14,15,18,22)	Desert Zone: Those portions of Units 6 and 8 lying within Yavapai County and Units 10 and 12B through 47M	Ducks including mergansers, coots, and common moorhens (gallinules)
Oct 1 - Oct 4, 2012	(2,4,6,21,22)	Mountain Zone: Units 1-5, 7, 9, 11M, 12A and those portions of Units 6 and 8 within Coconino County	Ducks including mergansers, coots, and common moorhens (gallinules)

LAWFUL TAKING DEVICE: Falconry as prescribed in R12-4-318 and R12-4-101.

LICENSE REQUIRED: Any valid hunting license plus valid Arizona Waterfowl Stamp and Federal Migratory Bird Hunting Stamp (i.e., federal Duck Stamp). Falconers must be licensed pursuant to R12-4-422 or exempted pursuant to R12-4-407.

HAWKING HOURS: One-half hour before sunrise until sunset.

BAG LIMIT: Three (3) per day. Note: The aggregate falconry bag limit of all migratory game birds is three (3), comprised of any combination of migratory game bird species for which a general season, that includes falconry as a legal method of take, or a falconry-only season is open. Falconers should consult Commission Orders 19, 20, 21, and 22 for season dates and open areas. The falconry bag limit is not in addition to the firearms bag limit.

POSSESSION LIMIT: Six (6) in the aggregate of all migratory game birds in season (Commission Orders 19 through 22) after opening day, of which no more than three (3) may be taken in any one day.

Common Snipe: Commission Order 22

GENERAL COMMON SNIPE

Open Areas do not include areas within municipal parks, municipal preserves, county parks, county preserves, airports, golf courses, or posted water treatment facilities (except as specifically opened in this Commission Order) or areas closed to hunting under A.R.S. Sections 17-303 and 17-304 or Commission Rules R12-4-301, R12-4-801, R12-4-802 and R12-4-803.

Season Dates	Notes	Open Areas	Legal Wildlife
Oct 19, 2012 - Jan 27, 2013	(1,5,7,8,9,10,11,12,13,14,15,16,17,18,19,20,22)	Desert Zone: those portions of Units 6 and 8 within Yavapai County and Units 10 and 12B through 47M	Common snipe
Oct 5, 2012 - Jan 13, 2013	(2,7,21,22)	Mountain Zone: Units 1-5, 7, 9, 12A and those portions of Units 6 and 8 within Coconino County	Common snipe

LAWFUL TAKING DEVICE: Shotgun, crossbow, or bow and arrow as prescribed in R12-4-304 and by falconry.

LICENSE REQUIRED: Any valid hunting license plus a valid Arizona Migratory Bird Stamp. Falconers must be licensed pursuant to R12-4-422 or exempted pursuant to R12-4-407.

SHOOTING HOURS: One-half hour before sunrise until sunset.

BAG LIMIT: Eight (8) per day.

POSSESSION LIMIT: Sixteen (16) common snipe after opening day, no more than eight (8) of which may have been taken in any one day.

FALCONRY BAG LIMIT: Three (3) per day. Note: The aggregate falconry bag limit of all migratory game birds is three (3), comprised of any combination of migratory game bird species for which a general season, that includes falconry as a legal method of take, or a falconry-only season is open. Falconers should consult Commission Orders 19, 20, 21, and 22 for season dates and open areas. The falconry bag limit is not in addition to the firearms bag limit.

FALCONRY POSSESSION LIMIT: Six (6) in the aggregate of all migratory game birds in season (Commission Orders 19 through 22) after opening day, of which no more than three (3) may be taken in any one day.

HARVEST INFORMATION PROGRAM (HIP): As required by A.R.S. 17-333.03 and R12-4-203, Snipe hunters age 16 and older shall have in their possession a valid Arizona Migratory Bird Stamp or printed privilege which will validate their license for the federal Harvest Information Program. The Arizona Migratory Bird Stamp may be obtained on or after July 1, from any Arizona Game and Fish Department office or wherever hunting licenses are sold.

Waterfowl and Snipe Notes:

1. Open areas include the Imperial, Cibola, Buenos Aires and Havasu National Wildlife Refuges EXCEPT for posted portions which shall be closed to all hunting, a fee may be required for hunting on National Wildlife Refuges, see refuge regulations.
2. Ashurst Lake in Management Unit 5B is closed to all waterfowl hunting.
3. All areas within Arizona are designated nontoxic shot zones. The use or possession of lead shot while waterfowl hunting is prohibited. No person may take ducks, geese (including brant), or coots while possessing shot (either in shotshells or as loose shot for muzzleloading) other than approved non-toxic shot. Lead shot includes plated lead shot. For a list of approved non-toxic shot, see www.fws.gov/migratorybirds/currentbirdissues/nontoxic.htm. Steel, bismuth, tungsten-iron, tungsten-polymer, tungsten-nickel-iron, and tungsten matrix shot are approved as nontoxic shot.
4. Persons 16 years of age or older must have in their possession a valid Federal Migratory Bird Hunting Stamp when taking ducks and geese, and a valid, signed Arizona Waterfowl Stamp attached to their hunting license or printed privileges on their license when taking ducks and geese. This stamp or privilege will automatically register the holder for the federal Harvest Information Program for the taking of ducks and geese. Persons 16 years of age or older must have in their possession a valid Arizona Migratory Bird Stamp or privilege when taking coots and common moorhens pursuant to A.R.S. 17-333.03 and R12-4-203.
5. Hunting is not permitted in Unit 26M in the following described area: those private lands lying just north of the Town of Cave Creek in Sections 10, 11, 12, 14, and 15 of Township 6 North, Range 3 East.
6. Falconry hunting will not be permitted on National Wildlife Refuges.
7. The Grand Canyon-Parashant, Vermilion Cliffs, Sonoran Desert, Ironwood Forest, and Agua Fria National Monuments are open to hunting.
8. A portion of Unit 47M is closed to hunting. Hunting is not permitted in the following area of Unit 47M: an unincorporated portion of land west of Loop 202 (San Tan Freeway) known as the Elliot and Hawes County Island in Section 16, Township 1 South, Range 7 East.
9. Entry into portions of Units 40A, 40B, 46A, and 46B is subject to military closure and requires coordination with the Barry M. Goldwater Range for hunting access. For specifics about accessing the Barry M. Goldwater Range refer to the Index: Hunting on Military Reservations.
10. The Florence Military Reservation (training areas B and D: the areas north and south of Cottonwood Canyon Road) in Unit 37B is subject to short term closures due to military operations, including live fire operations, and requires coordination with the Florence Military Reservation for hunting access. For specific closure dates or any other access concerns, contact the Florence Military Reservation at 602-267-2062. A map of the Florence Military Reservation is located on the Arizona Game and Fish Department's website, azgfd.gov (type Florence Military Reservation in the search box).
11. Hunting is not permitted in Unit 25M in the following described area: an unincorporated portion of land within the Town of Queen Creek in Pinal County in Sections 5, 7, 8, and 18 of Township 3 South, Range 8 East.
12. Hunting is not permitted in Units 25M, 26M, and 47M in the following described area: beginning at the junction of I-17 and Loop 303; west and south on Loop 303 to Bell Road; west on Bell Road to the Beardsley canal; south on the Beardsley canal to Indian School Road; west on Indian School Road to South Jackrabbit Trail; south on South Jackrabbit Trail to Tuthill Road; south on Tuthill Road to the Gila River; east along the Gila River to 115th Avenue/Salt River junction; east along the Salt River to 51st Avenue; south on 51st Avenue to Pecos Road; east on Pecos Road to the I-10/Loop 202 junction; east, north, and then west on the Loop 202 to Gilbert Road; north on Gilbert Road to AZ Highway 87; east on AZ Highway 87 to Fort McDowell Road; north on Fort McDowell Road to Rio Verde Drive; west on Rio Verde Drive to Dynamite Road; west on Dynamite Road to Pima Road; north on Pima Road to Cave Creek Road; west and south on Cave Creek Road to Deer Valley Road; west on Deer Valley Road to 7th Street; north on 7th Street to Happy Valley Road; west on Happy Valley Road to I-17; north on I-17 to the Loop 303. Base and Meridian Wildlife Area falls within the boundary described above but is open to hunting. County islands within this boundary are also open to hunting provided the hunter does not discharge a firearm within ¼ mile of an occupied farmhouse, residence, cabin, lodge, or building without permission of the owner or resident. Privately held lands within county islands may be closed by the landowner.
13. Hunting is not permitted in Unit 25M in the following described area in the City of Maricopa: that portion of the city east of Green Road, south of Smith Enke Road, and east of the Cobblestone subdivision and that portion of the city north of Farrell Road and west of White and Parker Road.
14. Hunting is not permitted in Units 25M and 37A in the following described area in the Town of Eloy: beginning with the intersection of Cornman Road and LaPalma Road; south on LaPalma Road to Milligan Road; west on Milligan Road to Overfield Road; north on Overfield Road to Cornman Road; east on Cornman Road to LaPalma Road.
15. The following Pima County parks and preserves are open to hunting: A-7 Ranch in Units 32 and 33, Oracle Ridge Property in Unit 33, Six Bar Ranch in Unit 33, Emperita Ranch in Unit 34B, Bar V Ranch in Unit 34B, Sands Ranch in Unit 34B, Clyne Ranch in Unit 34B, Diamond Bell Ranch in Unit 36A, Marley Ranch in Units 36A and 36B, Rancho Seco in Units 36A and 36B, Kings 98 Ranch in Unit 36C, Old Hayhook Ranch in Unit 36C, Verdugo in Unit 36C, Bee Ranch in Unit 37A, Mordka Ranch in Unit 37A, Buckelew Ranch in Unit 37A, Carpenter Ranch in Unit 37A, Cochise Canyon Ranch in Unit 37A, Lords Ranch in Unit 37A, and Tortolita Mountain Park in Unit 37A. Hunting in County Parks, opened by this Commission Order, is not permitted within ¼ mile of any developed picnic area, developed camp ground, shooting range, occupied building, boat ramp, or golf course. Developed areas do not include trails.
16. Hunting is not permitted in Unit 36B in the following described area: in the posted portion of Sopori Ranch south of Arivaca Road in Sections 14 and 15, Township 20 South, Range 11 East. The remainder of Sopori Ranch is open to hunting.
17. Hunting is not permitted in Unit 37A in the following described area in the Town of Marana: beginning at the intersection of Sanders Road and Avra Valley Road; north on Sanders Road to the Santa Cruz River; southeast along the Santa Cruz River to the Central Arizona Project Canal; southwest along the Central Arizona Project Canal to Avra Valley Road; west on Avra Valley Road to the intersection of Sanders Road.
18. Hunting is not permitted in Units 43A and 44B in the following described area in the Town of Quartzsite: Sections 15, 16, 17, 20, 21, 22, 23, 26, 27, 28, 29, 30, 31, 32, 33, 34, and 35, Township 4 North, Range 19 West and Sections 2, 3, and 4, Township 3 North, Range 19 West.
19. The following Maricopa County parks and preserves are open to hunting waterfowl and snipe using shotgun shooting shot when this season coincides with quail season as defined in R12-4-301: Lake Pleasant, White Tank Mountains, McDowell Mountain, and Estrella Mountain Regional Park. Hunting in County Parks, opened by this Commission Order, is not permitted within ¼ mile of any developed picnic area, developed camp ground, shooting range, occupied building, boat ramp, or golf course. Developed areas do not include trails.
20. The area in Unit 37A in the Town of Marana is subject to temporary closures in February for special events. All state lands located south of Cochise Canyon Trail in Township 11 South, Range 12 East.
21. Jacques Marsh Wildlife Area in Unit 3B is open to hunting per R12-4-802.
22. In Units 11M and 38M, the private property within municipal boundaries is closed to hunting.