Pursuant to F&G Code Section 3004.5, the listed projectiles or ammunition are certified as containing 1% or less of lead and may be used for the take of various wildlife species in California. It is the responsibility of the hunter to verify that the individual projectile or ammunition is compliant with the method of take regulations for the individual species or species group.

Cartridge Designation:  Centerfire Rifle, Barnes Triple Shock X Flat Base(TSX)
Caliber: 22 caliber to 50 caliber
Cartridges: 22 Hornet to 50 BMG, available in approximately 1,900 cartridges
Grains: 45 grains to 570 grains
Lead Content by Weight: <1%
Unique Identifying Characteristics: All copper hollow point with pointed design and 2-6 driving bands cut into bullet shank, orange/copper colored. Number of driving bands corresponds to bullet caliber and weight.

Cartridge Designation:  Centerfire Rifle, Barnes Triple Shock X Boat Tail(TSXT)
Caliber: 22 caliber to 50 caliber
Cartridges: 22 Hornet to 50 BMG, available in approximately 1,900 cartridges
Grains: 62 grains to 647 grains
Lead Content by Weight: <1%
Unique Identifying Characteristics: All copper hollow point with pointed design and 2-6 driving bands cut into bullet shank, orange/copper colored. Base of bullet has tapered boat tail heel. Number of driving bands corresponds to bullet caliber and weight.

Cartridge Designation:  Centerfire Rifle, Barnes Tipped Triple Shock X Boat Tail(TTSX BT)
Caliber: 270, 7mm, 30, and 338
Cartridges: 270 Winchester to 338 Excalibur, available in approximately 450 cartridges
Grains: 110 grains to 225 grains
Lead Content by Weight: <1%
Unique Identifying Characteristics: All copper hollow point with pointed design capped by blue plastic tip with 2-6 driving bands cut into bullet shank, orange/copper colored. Base of bullet has tapered boat tail heel. Number of driving bands corresponds to bullet caliber and weight.
**Cartridge Designation:** Centerfire Rifle, Barnes Triple Shock X Flat Nose (TSX FN)  
**Caliber:** 45  
**Cartridges:** 45-70 Government to 45 Sharps 3-1/4 Inch, available in 47 cartridges  
**Grains:** 250 and 300  
**Lead Content by Weight:** <1%  
**Unique Identifying Characteristics:** All copper hollow point with 3-4 driving bands cut into bullet shank, orange/copper colored. Bullet has broad open cavity with visible star pattern to inside of cavity. Number of driving bands corresponds to bullet weight.

**Cartridge Designation:** Centerfire Rifle, Barnes Maximum Range X (MRX)  
**Caliber:** 270, 7mm, 30, 338  
**Cartridges:** 270 Winchester to 338 Excalibur, available in approximately 800 cartridges  
**Grains:** 130gr to 225gr  
**Lead Content by Weight:** <1%  
**Unique Identifying Characteristics:** Bi-Metal copper hollow point with pointed design capped by blue plastic tip having powdered tungsten base core with 4 driving bands cut into bullet shank, orange/copper colored. Base of bullet has tapered boat tail heel.

**Cartridge Designation:** Centerfire Rifle, Barnes LRS Solid  
**Caliber:** 50 Caliber  
**Cartridges:** 50 Spotter to 50 Fat Mac, available in 25 cartridges  
**Grains:** 750  
**Lead Content by Weight:** <1%  
**Unique Identifying Characteristics:** Mono-metal low drag pointed bronze monolithic solid with tapered boat tail heel, gold colored. Projectile has distinct ‘Coke Bottle’ shape to it due to a large portion of the shank being cut away to reduce barrel drag.  
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**Cartridge Designation:** Centerfire Rifle, Lapua Bullex-N  
**Caliber:** 50 Caliber  
**Cartridges:** 50 Spotter to 50 Fat Mac, available in 25 cartridges  
**Grains:** 750, 800  
**Lead Content by Weight:** <1%  
**Unique Identifying Characteristics:** Mono-metal low drag pointed bronze monolithic solid with tapered boat tail heel, gold colored. Projectile has distinct ‘Coke Bottle’ shape to it due to a large portion of the shank being cut away to reduce barrel drag. Base of bullet has large hollow cavity.
Cartridge Designation: Centerfire Rifle, Stars & Stripes Monolithic Solid
Caliber: 700
Cartridges: 700 Nitro Express, all 4 variations
Grains: 1,000
Lead Content by Weight: <1%
Unique Identifying Characteristics: Proprietary bronze monolithic solid made in house. Bullet has a stepped punch cutter design that shows a prominent shoulder on bullet shank which will protrude just about the cartridge case mouth with one cannelure ring cut into bullet shank. Bullet has a rounded tip and high gloss gold color.

Cartridge Designation: Centerfire Rifle, Barnes XPB
Caliber: 44
Cartridges: 444 Marlin, available in 1 cartridge
Grains: 200, 225
Lead Content by Weight: <1%
Unique Identifying Characteristics: All copper hollow point with 1 cannelure ring cut into bullet shank, orange/copper colored, hollow point is large open cavity with visible star pattern to inside of cavity.

Cartridge Designation: Centerfire Rifle, MPG Varmint Grenade
Caliber: 20, 22, 24, and 30
Cartridges: 20 Dart to 7.82mm (30 Cal) Lazzeroni Warbird, available in approximately 1,200 cartridges
Grains: 26 grains to 140 grains
Lead Content by Weight: <1%
Unique Identifying Characteristics: Lead free jacketed bullet comprising a sintered copper/tin core. Large open tip with visible stressed fracture lines on ogive. Will debride violently upon target impact.

Cartridge Designation: Centerfire Pistol, Barnes XPB
Caliber: 380, 9mm, .357, 38, 40, 10mm, 41, 44, 45, 480, 500
Cartridges: 380 ACP to 500 Smith & Wesson, available in approximately 300 cartridges
Grains: 80 to 375
Lead Content by Weight: <1%
Unique Identifying Characteristics: All copper hollow point, orange/copper colored, hollow point is large open cavity. All 44 cal models have one cannelure ring cut into bullet shank, 225gr 45 cal has a single cannelure ring in shank, 200gr 45 cal has 2 cannelure rings and pointed hollow tip, 275gr 45 cal has 3 cannelure rings and pointed
hollow tip. 480 and 500 cal all have a single cannelure in shank. 325gr and 375gr 500 cal have pointed hollow tips.

**Cartridge Designation:** Shotgun Slug, Barnes MZ  
**Caliber:** 20 gauge and 12 gauge  
**Cartridges:** 20ga 2-3/4” and 3 Inch, and 12ga 2-3/4”, 3 Inch, and 3-1/2 Inch, available in 5 Cartridges  
**Grains:** 250 and 275  
**Lead Content by Weight:** <1%  
**Unique Identifying Characteristics:** All copper hollow point, orange/copper colored, large open hollow nose cavity having visible star shaped pattern to inside of cavity. Rides in red plastic sabot.

**Cartridge Designation:** Shotgun Slug, Barnes TMZ  
**Caliber:** 20 gauge and 12 gauge  
**Cartridges:** 20ga 2-3/4” and 3 Inch, and 12ga 2-3/4”, 3 Inch, and 3-1/2 Inch, available in 5 Cartridges  
**Grains:** 250 and 275  
**Lead Content by Weight:** <1%  
**Unique Identifying Characteristics:** All copper hollow point with pointed shape capped by blue plastic tip, orange/copper colored. Rides in red plastic sabot.

**Cartridge Designation:** Shotgun Slug, Barnes SGS  
**Caliber:** 12 gauge  
**Cartridges:** 12ga 2-3/4”, 3 Inch, and 3-1/2 Inch, available in 3 Cartridges  
**Grains:** 437  
**Lead Content by Weight:** <1%  
**Unique Identifying Characteristics:** All copper hollow point, orange/copper colored, large open hollow nose cavity having visible star shaped pattern to inside of cavity. Rides in red plastic sabot.

**Cartridge Designation:** Shotgun Slug, Stars & Stripes Monolithic Solid  
**Caliber:** 10 gauge  
**Cartridges:** 10 gauge 3-1/2 Inch, 10 Bore 2 Inch, 3 Inch, and 4-1/2 Inch, available in 4 Cartridges  
**Grains:** 1,200  
**Lead Content by Weight:** <1%  
**Unique Identifying Characteristics:** Proprietary copper monolithic solid made in house. Projectile has rounded tip and 10 straight flutes cut into shank and large hollow cavity in base of projectile. Projectile is copper/orange colored.
Cartridge Designation: Shotgun Slug, Chromium Steel Alloy Ball  
Caliber: 20ga, 16ga, 12ga, and 10 gauge  
Cartridges: 20ga 2-3/4” and 3 Inch, 16ga 2-3/4 Inch, 12ga 2-3/4”, 3 Inch, and 3-1/2 Inch, and 10ga 3-1/2 Inch, available in 7 cartridges  
Grains: 200gr to 500gr  
Lead Content by Weight: <1%  
Unique Identifying Characteristics: Chromium Steel Alloy Ball is highly polished silver colored spherical ball, may develop light surface rust over long term storage which will turn color reddish to dark blue. Wad colors will be opaque.

Cartridge Designation: Shotgun Slug, Copper Ball  
Caliber: 20ga, 16ga, 12ga, and 10 gauge  
Cartridges: 20ga 2-3/4” and 3 Inch, 16ga 2-3/4 Inch, 12ga 2-3/4”, 3 Inch, and 3-1/2 Inch, and 10ga 3-1/2 Inch, available in 7 cartridges  
Grains: 250gr to 600gr  
Lead Content by Weight: <1%  
Unique Identifying Characteristics: Copper Ball is an orange/copper colored spherical ball, may turn dark brown to greenish over long term storage. Wad colors will be opaque.

Cartridge Designation: Shotgun Slug, Tungsten Carbide Ball  
Caliber: 20ga, 16ga, 12ga, and 10 gauge  
Cartridges: 20ga 2-3/4” and 3 Inch, 16ga 2-3/4 Inch, 12ga 2-3/4”, 3 Inch, and 3-1/2 Inch, and 10ga 3-1/2 Inch, available in 7 cartridges  
Grains: 300gr to 750gr  
Lead Content by Weight: <1%  
Unique Identifying Characteristics: Tungsten Carbide Ball is highly polished black colored spherical ball. Wad colors will be opaque.

Cartridge Designation: Shotgun Buckshot, BPI Iron Buckshot  
Caliber: 20ga, 16ga, 12ga, and 10 gauge  
Cartridges: 20ga 2-3/4” and 3 Inch, 16ga 2-3/4 Inch, 12ga 2-3/4”, 3 Inch, and 3-1/2 Inch, and 10ga 3-1/2 Inch, available in 7 cartridges  
Grains: 7gr to 70gr depending on pellet size  
Lead Content by Weight: <1%  
Unique Identifying Characteristics: BPI Iron Shot is characterized by its spherical shape and silver color often turning dark blue to reddish due to oxidation and surface rusting due to exposure/aging. Will be found loaded both with and without shot buffer, a light fluffy non-toxic material filling the spaces between the pellets. Wad colors can be clear, black, orange, yellow, green, blue, red, or purple.
Cartridge Designation: Shotgun Buckshot, Environ Metal Hevi-Shot  
Caliber: 20ga, 16ga, 12ga, and 10 gauge  
Grains: 7gr to 90gr depending on pellet size  
Lead Content by Weight: <1%  
Unique Identifying Characteristics: Hevi-Shot is an irregular shaped pellet which is brownish in color. There is no consistent shape to this pellet. Will be found loaded both with and without shot buffer, a light fluffy non-toxic material filling the spaces between the pellets. Wad colors will be opaque, red, purple, or black.

Cartridge Designation: Shotgun Shotshell, BPI Iron Birdshot  
Caliber: 20ga, 16ga, 12ga, and 10 gauge  
Grains: 1gr to 5gr depending on pellet size  
Lead Content by Weight: <1%  
Unique Identifying Characteristics: BPI Iron Shot is characterized by its spherical shape and silver color often turning dark blue to reddish due to oxidation and surface rusting. Will be found loaded both with and without shot buffer, a light fluffy non-toxic material filling the spaces between the pellets. Wad colors can be clear, black, orange, yellow, green, blue, red, or purple.  

Cartridge Designation: Shotgun Shotshell, Continuous Metal Technology ITX Shot  
Caliber: 20ga, 16ga, 12ga, and 10 gauge  
Grains: 1gr to 6gr depending on pellet size  
Lead Content by Weight: <1%  
Unique Identifying Characteristics: Continuous Metal Tech ITX Shot is copper colored spherical pellet with unique band around its circumference. Will be found loaded both with and without shot buffer, a light fluffy non-toxic material filling the spaces between the pellets. Wad color at this time is clear and opaque.
Cartridge Designation: Shotgun Shotshell, Environ Metal Hevi-Shot
Caliber: 20ga, 16ga, 12ga, and 10 gauge
Cartridges: 20ga 2-3/4” and 3 Inch, 16ga 2-3/4 Inch, 12ga 2-3/4”, 3 Inch, and 3-1/2 Inch, and 10ga 3-1/2 Inch, available in 7 cartridges
Grains: 1gr to 6gr depending on pellet size
Lead Content by Weight: <1%
Unique Identifying Characteristics: Hevi-Shot is an irregular shaped pellet which is brownish in color. There is no consistent shape to this pellet. Will be found loaded both with and without shot buffer, a light fluffy non-toxic material filling the spaces between the pellets. Wad colors will be opaque, red, purple, or black.

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