Tim Snow

From: Tim Snow
Sent: Thursday, June 09, 2016 3:10 PM
To: James Driscoll
Subject: Jag - AZ Records
Attachments: Jaguar AGFD Records for AZ only 1900-Present.xlsx

Jamey – I think we need to keep the Class 3 identified in Hattens table because these contain records with physical evidence (not sure why Hatten depicts them as Class III). I went through both tables and only had a couple of discrepancies. I highlighted and included those from T Johnson's table, but I did not include the 1988, 1993, and 1997 Class III's from Hatten's report.

I think my table is pretty accurate for AZ records since 1900. Hatten always stated 51 records used, and I show 51 considering records with multiple individuals (e.g. female with cubs).

-- Tim

Tim K. Snow
Region V Terrestrial Wildlife Specialist
555 N. Greasewood Road
Tucson, AZ 85745
(520) 388-4449

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Documented (confirmed) Jaguar Records for Arizona, 1900 - Present. Physical evidence (e.g. skin, skull, photograph, track) reviewed and acce that validity of 1958-59 and 1963-64 records are questioned. Red = first detection; Green = possible unique animal; CNNO = Coconino County; Mountain; Mts = Mountains; PICO = Pima County; SACO = Santa Cruz County; Spg = Spring; YACO = Yavapai County

Date	Collector/Documentation	Sex	Location	Circumstance
2012: 1/2 - 2015: 7/9	UA Jaguar Camera Project: over 100 + photographs and video	M	AZ PICO and SACO: [redacted] Santa Rita Mts	Trail camera monitoring and scat collection
2011: 11/19	AGFD: observation report [redacted] treed jaguar with dogs; photographs provided	M	AZ COCO: [redacted] Whetstone Mts	Treed while lion hunting
2011: 6/2	AGFD: observation report	Unk (Likely the sam[redacted] jaguar)	AZ SACO: [redacted] anta Rita Mts	Border Patrol flight
2009: 3/2	AGFD and USFWS: recapture, extraction to Phoenix and euthanasia; AGFD photographs	M (Macho B)	AZ PICO: recapture [redacted] Atascosa Mts (euthanasia in Phoenix AZ)	Jaguar darted
2009: 2/19-3/1	AGFD and BJDP: post-release monitoring via GPS collar	M (Macho B)	AZ PICO: post-release movement [redacted] tascosa Mts	GPS telemetry

:pted by AGFD or other credible person(s). Note
COCO = Cochise County; Cyn = Canyon; Mtn =

Biotic Community	Information Source	Individual Jaguars in AZ: 1900- Present		Individual Jaguars in AZ: 1985 - Present
		56 or 57	TOTAL	4 or 5
Madrean Evergreen Woodland and Semidesert Grassland	UA Camera Project and USFWS			
Madrean Evergreen Woodland and Semidesert Grassland	AGFD unpubl. data			
Madrean Evergreen Woodland and Semidesert Grassland	AGFD unpubl. data	56 or 57		4 or 5
Madrean Evergreen Woodland and Semidesert Grassland	AGFD unpubl. data			
Madrean Evergreen Woodland and Semidesert Grassland	AGFD unpubl. data: in cooperation with BJDP (TB Johnson, B Van Pelt, E McCain and J Childs)			

2009: 2/4	J Childs and E McCain: BJDP Pic-89 (photograph)	M (Macho B)	AZ PICO: [redacted] Sardina Cyn	Trail camera photograph
2009: January (estimated)	J Childs and E McCain: BJDP Trk-30 (track); estimated date; track found on February 5, 2009 with T Smith and M Crabb	Unknown (but probably Macho B)	AZ PICO: Atascosa Mts; [redacted]	Field observation
2009: 1/21	J Childs and E McCain: BJDP Pic-88 (photograph)	M (Macho B)	AZ PICO: Tumacacori Mts; [redacted]	Trail camera photograph
2009: 1/17	J Childs and E McCain: BJDP Pic-87 (photograph)	M (Macho B)	AZ PICO: Tumacacori Mts, [redacted]	Trail camera photograph
2009: 1/12	J Childs and E McCain: BJDP Pic-86 (photograph)	M (Macho B)	AZ PICO: Atascosa Mts; [redacted]	Trail camera photograph
2009:1/4	J Childs: BJDP Pic-85 (photograph)	M (Macho B)	AZ PICO: Atascosa Mt[redacted]	Trail camera photograph
2009: 1/3	J Childs and E McCain: BJDP Pic-83 (photograph)	M (Macho B)	AZ PICO: Tumacacori Mts [redacted]	Trail camera photograph

Madrean Evergreen Woodland and Semidesert Grassland	J Childs and E McCain, BJDP unpubl. data
Madrean Evergreen Woodland and Semidesert Grassland	J Childs and E McCain, BJDP unpubl. data
Madrean Evergreen Woodland and Semidesert Grassland	J Childs and E McCain, BJDP unpubl. data
Madrean Evergreen Woodland and Semidesert Grassland	J Childs and E McCain, BJDP unpubl. data
Madrean Evergreen Woodland and Semidesert Grassland	J Childs and E McCain, BJDP unpubl. data
	J Childs and E McCain, BJDP unpubl. data
Madrean Evergreen Woodland and Semidesert Grassland	J Childs and E McCain, BJDP unpubl. data

2008:12/4	J Child: BJDP Trk-29 (track)	Unknown (but probably Macho B)	AZ PICO: Coyote Mts	Track
2008: 8/2	J Childs and E McCain: BJDP Pic-83 (photograph)	M (Macho B)	AZ PICO: Atascosa Mt[redacted]	Trail camera photograph
2008: 7/29	J Childs and E McCain: BJDP Pic-82 (photograph)	Unknown or M (Macho B)	AZ PICO: Tumacacori Mts,[redacted]	Trail camera photograph
2006: 12/29, 12/3, 11/20, 10/18, 10, 15, 9/26, 6/9, 5/31, 5/27, 5/23, 5/21, 5/14, 5/13, 5/12, 5/10, 5/6, 5/5, 5/4, 5/2/ 4/30, 4/28, 4/27, 4/23, 4/18, 4/3, 3/30, 3/27, 3/26,	J Childs and E McCain: BJDP Pics-65-64-63-62-61-60-59-58-57-56-55-54-52-51-50-49-48-47-46-45-44-43-42-41-40-39-38-37-36-35-34-33 (photographs), Video, BJDP Trk-23-22-21-20-19-18-17-16-15-14-13-12-11-10 (tracks)	M (Macho B)	AZ PICO: Coyote Mts, Atascosa Mts[redacted]	Trail camera photographs, video, tracks
2005:12/17, 12/12	J Childs and E McCain: BJDP Pic-32-31 (photographs)	M (Macho B)	AZ PICO: Atascosa Mts,[redacted]	Trail camera photographs
2005: 11/18, 11/17, 11/16, 11/6, 11/5, 11/4, 7/29, 7/28, 7/26, 7/3, 6/8, 6/3,1/12, 1/2	J Childs and E McCain: BJDP Pics-30-29-28-27-26-25-24-23-22-21-20-19-18-17-16 (photographs) and BJDP Trks-09-08-06-04-03 (tracks)	M (Macho B)	AZ PICO: Atascosa Mts[redacted]	Trail camera photographs and tracks

	J Childs and E McCain, BJDP unpubl. data
Madrean Evergreen Woodland and Semidesert Grassland	J Childs and E McCain, BJDP unpubl. data
Madrean Evergreen Woodland and Semidesert Grassland	J Childs and E McCain pers. comm. Photograph too fuzzy to ID animal.
Madrean Evergreen Woodland and Semidesert Grassland	J Childs and E McCain, BJDP unpubl. data; see also McCain and Childs 2008
	J Childs and E McCain, BJDP unpubl. data; see also McCain and Childs 2008
	J Childs and E McCain, BJDP unpubl. data; see also McCain and Childs 2008

2005: 9/26, 7/11	J Childs and E McCain: BJDP Trks-07-05 (tracks)	Unknown	AZ PICO: [redacted]	Tracks
2004: 12/31, 12/29, 12/27, 12/19, 12/17, 12/12, 11/28,11/8, 10/27, 9/26, 8/31	J Childs and E McCain: BJDP Pics-15-14-13-12-11-09-08-07-06-03 (photographs) and BJDP Trk-02 (track)	M (Macho B)	AZ PICO [redacted] Baboquivari Mts	Trail camera photographs and track
2004: 12/7, 9/12, 6/24	J Childs and E McCain: BJDP Pics-10-04 (photographs) and BJDP Trk-01 (track)	M Unknown (possible 5th unique AZ-NM jaguar from 1996 to 2009)	AZ PICO: [redacted]	Trail camera photographs and track
2004: 9/25	J Childs and E McCain: BJDP Pic-05 (photograph)	M (Macho A)	AZ PICO [redacted] Atascosa Mts	Trail camera photograph
2003: 8/7	J Childs and E McCain, BJDP Pic-02 (photograph)	M (Macho A)	AZ PICO [redacted] Atascosa Mts	Trail camera photograph
2001: 12/9	J Childs and E McCain: BJDP Pic-01 (photograph)	M (Macho A; 3rd unique jaguar from 1996 to 2009)	AZ PICO [redacted] Atascosa Mts	Trail camera photograph
1996: 8/31	Jack Childs: BJDP Pic-00 (photograph) and BJDP Trk-00 (track)	M (Macho B; 2nd unique AZ-NM jaguar from 1996 to 2009)	AZ PICO: Baboquivari Mts [redacted]	Treed while lion hunting

	J Childs and E McCain, BJDP unpubl. data; see also McCain and Childs 2008		
	J Childs and E McCain, BJDP unpubl. data; see also McCain and Childs 2008		
	J Childs and E McCain, BJDP unpubl. data; see also McCain and Childs 2008	56 ?	4 ?
	J Childs and E McCain, BJDP unpubl. data; see also McCain and Childs 2008		
	J Childs and E McCain, BJDP unpubl. data; see also McCain and Childs 2008		
	J Childs and E McCain, BJDP unpubl. data; see also McCain and Childs 2008	55	3
Madrean Evergreen Woodland	Childs 1998; Childs and Childs 2008	54	2

1986: 12/15	[redacted] AGFD files, USFWS files and photographs	M	AZ COCO: Dos Cabezas Mts	Bayed and killed while lion hunting with dogs
1971: 10/16	R Farley and T Cartier, pers. comm.; Santa Cruz Co. court records; photographs	M	AZ SACO: S of Hwy 82 and N of Nogales along Santa Cruz River	Killed by boys duck hunting with shotguns
1965: 11/15-16	Laurence McGee, Pers. Comm., photographs, skull at U of A	M	AZ SACO: Patagonia Mts	Shot while deer hunting
1964: 1/16; validity questioned	PARC (USFWS) agent Russel Culbreath, Pers. Comm. AGFD game wardens speculate animal might have been released in "canned hunt" before Culbreath trapped it. R Babb and R Thompson pers. comm.	M	AZ: SW of ID Ranch on breaks above Black River FAIR	Trapped and killed
1963: 9/28; validity questioned	Terry Penrod, pers. comm., Photographs. AGFD game wardens speculate animal might have been released in "canned hunt" before Penrod shot it. R Babb and R Thompson pers. comm.	F	AZ: at 9000 ft el S of Big Lake, White Mts	Shot while predator calling
1961: 7/25-26	H Barnett, E Hilton, T Ferguson, S Goodwin, pers. comm. from Barnett, Photographs	M	AZ: Cienega Creek Ranch, Total Wreck Mine, Empire Mts	Bayed with dogs and shot (7 times at 15 ft!) as stock killer

Madrean Evergreen Woodland	Brown 2001	53	1
Semidesert Grassland and Madrean Evergreen Woodland	Brown 2001	52	
Madrean Evergreen Woodland	Brown 2001	51	
Semidesert Grassland and Great Basin conifer woodland	Brown 2001		
Rocky Mountain Montane Conifer Forest and Subalpine Conifer Forest	Brown 2001; R Kohls pers. comm.		
Semidesert Grassland/Riparian	Brown 2001	50	

1958-1959	Three jaguars taken in AZ on CJ Prock-led guided hunts. Considered invalid due to importation and release of captive animals. DE Brown pers. comm.	3??	AZ SACO: Nogales Area	Shot by guided clients
1957: Oct-Nov	Mr. Ferguson fide Sewell Goodwin and P. Cosper	M	AZ: Red Mt near Clifton	Shot while deer hunting
1956-57: Winter	Jimmy Gilbert, skull at U of A	M?	AZ: White River, FAIR	
1949: 11/13	Walter Noon, AZ Daily Star, Heald, Hock, Housholder. Photographs	F	AZ PICO: Cerro Colorado	Shot while deer hunting
1948: Spg	Ray Harshman. Housholder	M	AZ SACO: South of Patagonia	Bayed with hounds and shot by predator trapper
1947	Jim Converse? Housholder fide AGFD G. Peterson	Unknown	AZ PICO: Atascosa or Tumacacori Mts?	Killed heifer
1940 (ca.)	Lavern West fide Steve Smith, Brown interview	Unknown	AZ: Trout Creek, FAIR	Taken with dogs
1939: 11/23	Red Harris, S.Goodwin personal comm., Housholder, photograph	M	AZ PICO: Ramanote Cyn, Atascosa Mts	Bayed with dogs and shot as stock killer
1939	Unknown trapper, Lange fide H.C.Lockett	Unknown	AZ: Bloody Basin	Trapped

	DE Brown pers. comm.; Brown and Thompson 2010
Chaparral and Madrean Evergreen Woodland	Brown 2001
Riparian and Great Basin Conifer Woodland	Brown 2001
Semidesert Grassland	Brown 2001
Madrean Evergreen Woodland	Brown 2001
Madrean Evergreen Woodland	Brown and López González 2000 or Brown 2001
Riparian in Rocky Mountain Montane Conifer Forest	Brown 2001
Madrean Evergreen Woodland	Brown 2001
Semidesert Grassland/chaparral	Brown 2001

49

48

47

46

45

44

43

42

1934	Unknown trapper, Lange fide Frank Hibben	Unknown	AZ PICO: Atascosa Mts	Unknown
1933	Unknown rancher, reported in AZ Republic, Housholder	Unknown	AZ MACO: Sierra Estrella foothills	Unknown
1931-1933 or 1932 or 1933	Frank Colcord (PARC or FWS), Housholder, J. Windes Personal	M	AZ SACO: Patagonia Mts	Taken with dogs as stock killer
1928 or 1929	Unknown, Lange, Lockett. Fresh hide observed	Unknown	AZ: Sand Tank Mts	Unknown
1926 to 1930	Unknown. Lange, Lockett	Unknown	AZ: Chiricahua Mts	Unknown
1926: December	Clyde Miller. Lange, ME Musgrave (PARC or FWS), photograph	M	AZ: NE Slopes of Santa Maria Mts (near Prescott)	Taken by Rancher
1926: 11/11 or 11/30	Fred Ott (PARC or FWS) Housholder, Lange. Skull no 247337 at USNM	M	AZ SACO: S of Patagonia; UAZ museum log shows "20 mi W of Nogales"	Taken with Poison as stock killer
1926	Fred Ott (PARC or FWS) Housholder, Lange. Skull at USNM	Unknown	AZ: S of Patagonia	Taken with Poison as stock killer
1924: 4/12	Jack Funk (PARC or FWS) - type specimen, USNM, Nelson and Goldman 1933	M	AZ: Near Cibeque FAIR	Taken with hounds as stock killer
1922	Frederick O. Knipe fide Henrietta Barassi. Photograph	Unknown	AZ: Rincon Valley	Taken by Rancher
1920	Unknown. Lange fide Bailey	Unknown	AZ: West of Santa Rita Mts	Killed

Madrean Evergreen Woodland	Brown 2001	41
Sonoran desertscrub	Brown 2001	40
Madrean Evergreen Woodland	Brown and López-González 2000 or Brown 2001	39
Sonoran Desertscrub	Brown 2001	38
Madrean Evergreen Woodland	Brown 2001	37
Rocky Mountain Conifer Forest and Great Basin Conifer Woodland	Brown 2001	36
Madrean Evergreen Woodland	Brown and López-González 2000 or Brown 2001	35
Madrean Evergreen Woodland	Brown 2001	34
Great Basin Conifer woodland	Brown 2001	33
Semidesert Grassland	Brown 2001	32
Semidesert Grassland and Madrean Evergreen Woodland	Brown 2001	31

1920: January	Stanley Graham and Party. Seton, Lange, reported Holbrook Observer	Unknown	AZ: Rincon Mts	Killed
1919: 4/22	R. Lee Parker (PARC or FWS). Housholder. Skin and skull at USNM	F	AZ: Greaterville, Santa Rita Mts	Trapped as stock killer
1918	Unknown trapper. Lange fide SP Young	Unknown	AZ: Base of Mt. Baldy - 7000 ft-Santa Rita Mts.	
1909 to 1918	Unknown. Lange fide EW Nelson	Unknown	AZ: Grand Cyn Village	Unknown
1917: 5/11	EJ O'Doherty (PARC or USFWS). Nelson and Goldman, Housholder, Lange. Skull at USNM	M	AZ: Helvetia, 3 mi W of Greaterville, Santa Rita Mts	Trapped as stock killer
1916	Unknown "Mexican". Skin acquired by WF Cody	M	AZ: Upper Canada del Oro - Catalina Mts	Trapped?
1913	Unknown deer hunter fide BV Lily	M	AZ: Red Mt North of Clifton	
1913	JH Durham. Lange fide EA Goldman and ET Seton observed skin	Unknown	AZ: Tortolita Mts (Durham Hills?)	Killed by rancher; circumstance unknown

Madrean Evergreen Woodland	Brown 2001	30
Madrean Evergreen Woodland	Brown 2001	29
Madrean Evergreen Woodland and Rocky Mountain Montane Conifer Forest	Brown 2001	28
Great Basin Conifer Woodland	Brown 2001	27
Madrean Evergreen Woodland	Brown 2001	26
Riparian and Madrean Evergreen Woodland and Rocky Mountain Montane Conifer Forest	Brown 2001	25
Chaparral and Madrean Evergreen Woodland	Brown 2001	24
Sonoran Desertscrub and Semidesert Grassland	Brown 2001	23

1912	Unknown. Lange fide CT Vorhies	Unknown	AZ PICO: Rincon Mts.	Unknown
1912 (ca.)	Unknown. Lange fide CT Vorhies	Unknown	AZ PICO: Cyn del Oro - Catalina Mts.	Shot while feeding on burro
1912	O Bozarth and E Contreras. Housholder, Lange	Unknown	AZ: 65 mi Northwest of Prescott on Bozarth Mesa	Adult roped and killed with rocks
1912: February	Lon King. Lange fide EW Nelson	Unknown	AZ: West of Sunset Pass Southwest of Winslow	TWO jaguars poisoned as stock killers
1912: 1/12	Frank Hands. Calhane, O'Conner, Housholder, Lange. In Hands diary and photographs. Hide with skull at Ted Troller, Portal AZ	M?	AZ: Bonita Cyn - Chiricahua Mts	Trapped, trailed and bayed with howns during snowstorm
1900-1912	Unknown. Seaton	Unknown	AZ: Baboquivari Mts.	
1910	Unknown cowboy. Housholder fide AGFD R Morrow, Lange, Seton.	F	AZ CACO: Fly Peak - Chiricahua Mts	
1910: October	George Winslow. Lange fide EW Nelson	F +cub	AZ: Head of Chevelon Cyn	
1907-08: Winter	Hopi Indians. Hoffmeister fide EA Goldman, E Kolb. Photograph in Billingsley	Unknown	AZ: 4 miles South of Grand Cyn	Old animal, tracked and killed in the snow

Madrean Evergreen Woodland	Brown 2001	22
Madrean Evergreen Woodland	Brown 2001	21
Semidesert Grassland and Chaparral	Brown 2001	20
Great Basin Conifer Woodland and Rocky Mountain Montane Conifer Forest	Brown 2001	18, 19
Madrean Evergreen Woodland	Brown 2001	17
Madrean Evergreen Woodland	Brown 2001	16
Rocky Mountain Montane Conifer Forest	Brown 2001	15
Rocky Mountain Montane Conifer Forest	Brown 2001	13, 14
Rocky Mountain Montane Conifer Forest and Great Basin Conifer Woodland	Brown 2001	12

1907 (ca.)	Unknown. Seton fide Harry Garcelon, lange fide V Bailey	Unknown	AZ: Mogollon Mts. Near Fort Apache, FAIR	
1904-1907	Unknown. Lange fide V Bailey and RL Parker	Unknown	AZ SACO: Patagonia Mts	TWO animals killed; unknown circumstance
1906: 5/31	Unknown "Mexicans". Arizona Daily Star	F +2 cubs	AZ COCO: Chiricahua Mts	Female trapped, cubs offered for sale
1904 (ca.)	Mr. West. Housholder.	Unknown	AZ: Verde River near Camp Verde	
1903: October	Unknown. American Field reported. Lange.	Unknown	AZ SACO: Atascosa Mts	
1902	Monroe Copelen	Unknown	AZ PICO: Canada del Oro - Catalina Mts.	Unknown
1902: 3/16	Mexican Bounty Hunters. Schufeldt. AZ Historical Society Photograph.	M	AZ PICO: Rincon Mts, PICO	Bayed with dogs and shot.
1901: June	JC Riggs and man named Ross Lange fide EJ Hands	Unknown	AZ COCO: Dos Cabezas Mts	

Rocky Mountain Montane Conifer Forest	Brown 2001	11
Madrean Evergreen Woodland	Brown 2001	9, 10
Madrean Evergreen Woodland	Brown 2001	6, 7, 8
Riparian and Semidesert Grassland and Chaparral	Brown 2001	5
Madrean Evergreen Woodland	Brown 2001	4
Riparian and Madrean Evergreen Woodland	Brown 2001	3
Madrean Evergreen Woodland and Rocky Mountain Montane Conifer Forest	Brown 2001	2
Madrean Evergreen Woodland	Brown 2001	1

Call
Long-Term Call ID 16-C03834

Active Call Nature WI Other Type 1 Priority
Address? [redacted] City PRE Prescott
Calls 1 Dupl 0 Names 0 w/Alrts 0 Wants 0 Prem 0 Adr 0
MYSTIC CANYON DR
Zones ? ? ? Determinant Alarm
Directions

Complainant
Number
Last Fst Mid
Address DOB
City ST ZIP SSN
Phone Race Sex Prev Calls Wants Adr
Alert

Contact
Contact [redacted] Telephone [redacted]
Address

Information
Info (See below)

License Plate State
How Received T Telephone Occurred between 07:33:36 06/21/16
Received By Presler J and 07:33:36 06/21/16
Hold Until : : / / When Reported 07:37:25 06/21/16

= = = =

Human-Wildlife Interaction

Spillman Record # 16WI02094
Date 06/21/16
Time 07:37

Address? [redacted]
City Prescott
State AZ ZIP [redacted]

Related Incident

Location

Region R3 Region 3
County 13 Yavapai
Unit/Loc U20A WILDLIFE MANAGEME

Animal Specifics and Dept Response

Assigned Officer Presler J
# of Animals 1
Species Reported 19 Jaguar
Sex
Category (1-4) 4
Color
Dept Response SH Self Help
Adult/Juv
Species Verified 34 Domestic Cat
Age 0

Collar Info/Comments

RADIO ROOM

Wildlife Handling Information

Captured?
Tag Number
Drug Used?
Tag Color?
Drug Type
Do Not Consume?
Released?
Termination Data
Release Unit/Loc

= =

INVOLVEMENTS:

Type	Record #	Date	Description	Relationship
CA	16-C03834	06/21/16	07:37 06/21/16 WI Other	HUMAN WL INTERACTION

ARIZONA GAME AND FISH DEPARTMENT

SUBJECT: **FINAL** Results of the **2015/2016 PREDATOR & FURBEARER** questionnaire

PREPARED BY: Fran Peck, Game Program Data Manager

DATE: June 23, 2016

The following and attached are the final results of the 2015/2016 predator and furbearer questionnaire. Questionnaires were mailed to a sample of archery elk and archery javelina hunters.

Number mailed	6729
Number returned	1753
Return rate	26.1%
Previous years' return rate	26.0%

CC: Amber A. Munig, Big Game Management Program Supervisor

FINAL RESULTS OF THE 2015/2016 PREDATOR AND FURBEARER QUESTIONNAIRE

(Questionnaire sent to archery elk and archery javelina hunters.)

Hunter sightings of predatory and furbearing animals during their archery elk or spring archery javelina hunt.

							No. Observed During Hunt									
Unit	Hunt	Returns	Hunters	Days	Coyote	Coyote/100 hunter days	Mountain Lion	Bobcat	Bobcats/100 hunter days	Porcupine	Bear	Badger	Coati	Fox	Ringtail	Other
Archery Elk																
05BN	3126	50	43	378	153	40.48	3	10	2.65	2	8	6	0	29	0	25
9	3133	32	28	262	162	61.83	3	6	2.29	1	0	5	0	8	0	37
10	3134	54	50	514	433	84.24	5	10	1.95	2	0	10	0	25	0	5
27	3143	57	52	497	155	31.19	4	8	1.61	2	36	2	0	29	1	176
06A, 06B	5081	96	68	405	266	65.68	5	8	1.98	4	3	5	0	49	0	3
10, 15,16A, 18A, Units 39-44	5082	277	209	1438	752	52.29	15	37	2.57	7	22	10	2	88	8	41
17, 18B, 19, 20A	5083	113	92	673	250	37.15	5	9	1.34	2	11	2	32	39	3	24
20B	5084	81	66	438	380	86.76	4	9	2.05	0	3	6	1	63	2	0
20C	5085	88	64	288	104	36.11	2	8	2.78	0	8	2	0	18	0	14
21	5086	121	95	525	316	60.19	4	18	3.43	3	8	4	1	41	1	2
22	5087	57	39	295	193	65.42	7	20	6.78	5	8	0	34	23	1	0
23	5088	16	14	105	66	62.86	1	4	3.81	0	2	0	8	6	0	0
24A	5089	47	40	228	88	38.60	9	7	3.07	0	6	0	19	15	1	21
24B	5090	10	10	83	57	68.67	.	4	4.82	.	.	2	16	35	5	.
27	5091	122	97	627	407	64.91	9	33	5.26	4	5	5	33	43	0	37
28, 29, 30A, 30B, 31, 32	5092	209	169	1117	603	53.98	16	34	3.04	2	15	5	92	71	3	8
33, 37B	5093	93	70	488	455	93.24	14	23	4.71	5	13	0	55	50	2	2
34A, 37A	5094	34	29	200	219	109.50	6	15	7.50	1	4	1	56	20	4	.
34B, 35A, 35B	5095	60	42	428	207	48.36	3	17	3.97	0	2	1	48	20	0	25
TOTAL		**1617**	**1277**	**8989**	**5266**	**58.58**	**115**	**280**	**3.11**	**40**	**154**	**66**	**397**	**672**	**31**	**420**

FINAL RESULTS OF THE 2015/2016 PREDATOR & FURBEARER QUESTIONNAIRE (Questionnaire sent to archery elk and archery javelina hunters.)

Other species seen during hunt (as reported by hunter)

Hunt	Wolf	Raccoon	Skunk	Ferret	Beaver	Jaguar	Otter
3143	6	-	-	-	-	-	-
5081	-	-	1	-	-	-	-
5085	1	-	-	-	-	-	1
5089	-	-	1	-	-	-	-
5091	1	1	-	-	-	-	-
5092	-	1	1	-	-	-	-

Send Comments

From: Send Comments
Sent: Thursday, July 21, 2016 2:45 PM
To: [redacted]
Subject: RE: Msg From Pine Valley, Sedona,AZ 86351

Hello and thank you for contacting Arizona's Game and Fish Department.

If you would like to, photos of animals can be sent to this email address. Please know that photography of wildlife should be done from a safe distance and location. If the picture is of sufficient quality and clarity, we may be able to identify it, but realize that many of our biologists are in frequently in the field for weeks at a time and you may not hear back from them immediately. Thanks for your time and interest!

****

Human Dimensions Coordinator
Arizona Game and Fish Department
5000 West Carefree Highway
Phoenix, AZ 85086
****

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From: [redacted]
Sent: Tuesday, July 19, 2016 4:42 PM
To: Send Comments
Subject: Msg From Pine Valley, Sedona,AZ 86351

Name: [redacted]
City: [redacted] of oak creek
State: AZ
Zip: 86351
Area:
Email: [redacted]
Subject: Msg From Pine Valley, Sedona,AZ 86351
Comment: Here is the contents of the email that I received this morning from [redacted] in regards to a large black cat sighting in the neighborhood. This sounds like this could be a black jaguar that has migrated up from Mexico. Extra caution should be given when hiking in the trails out back alone as they are known to be much more aggressive and dangerous than mountain lions. The fact that it was watching this person and made itself visible is a bit concerning. Subject: BIG Cat sighting 7-18 Good morning [redacted] I wanted to let you know that our neighbor [redacted] sighted a big black cat on the hill behind her home on [redacted] It had been sighted about 3 months ago also. From [redacted] description, she believes the cat was watching her from the hill for a while [redacted] 85, and about 80 pounds, and

delicate). She came inside once she realized it was there and all is fine, but I wanted to pass it on to you to share with others if you deem it worthy. She said it was black in color, the size of a panther/cougar, and had a long thick tail. Just wanted to let folks know since big cats keep pretty extensive ranges. Thanks, S

Type: Other

Regarding: Nuisance Wildlife

Phone: [redacted]

Call
Long-Term Call ID: 16-C05616

Active Call: 12 Nature: WI Other Type: 1 Priority:
Address: [redacted] City: TUC Tucson
Calls: Dupl: Names: w/Alrts: Wants: Prem: Adr:

Zones: 1& U38M & & Determinant: Alarm:
Directions:

Complainant
Number:
Last: Fst: Mid:
Address: DOB:
City: ST: ZIP: SSN:
Phone: Race: Sex: Prev Calls: Wants: Adr:
Alert:

Contact
Contact: [redacted] Telephone: [redacted]
Address:

Information
Info: (See below)

License Plate: State:
How Received: T Telephone Occurred between: 17:22:01 08/26/16
Received By: Batitsas S and: 17:22:01 08/26/16
Hold Until: : : / / When Reported: 17:38:11 08/26/16

= = = =

Terrestrial Interpretive

GAME

Current:

- Dove Banding – efforts continue through August 20 (**Cluff, Whitewater, 37M**)
- Bear/Lion Check-ins – 1 bear and 1 mountain lion for the month of July
- Performance Reports for all species and special projects have been submitted to PHX (Thanks to all for assisting!)
- Quail call counts completed; overall, much below average.
- Developing procedures for alternative deer/javelina survey options
- Gathering water use data on Region V properties

Planned:

- Dove Check Station on 9/1 (**37A**)
- Coordination for upcoming bighorn sheep translocations (**33, 31/32**)
- Pronghorn survey flights scheduled 8/11-8/17
- Tucson HPC meeting, 8/17. Make sure to be here and present any projects!
- Complete and submit Ben's binocular, scope, and backpack order for the regional officers

NONGAME

Current:

- Black-tailed Prairie Dog – continue trapping efforts on private property (**34B**)
- Mount Graham Red Squirrel – coordination with USFS, UA, and USFWS regarding Sept survey; packet preparation. (**31**)
- Jaguar/Ocelot Observation reports – continue sighting investigations and coordination. No Class I (physical evidence or photo) observations of jaguars; the most recent Class I observation for ocelot was in May.

Planned:

- Tucson Birding Festival scheduled for Aug 11-15; registration is through the Tucson Audubon Society web-site (http://www.tucsonaudubon.org/festival.html). (**37M**)
- Black-tailed Prairie Dog – Sands Ranch site prep for Sept. release.
- Bats – netting with Pima County, Cienega Creek – Aug 10 (**33**)
- Bats – acoustic driving survey for Mount Lemmon Highway – Aug 11 (**33**)
- Bats: Lesser long-nosed bat simultaneous counts – Aug 20 (**various roosts across Region 5**)

NRCD / LANDS COORDINATION

Current:

- CRMP development for Triangle Bar (our ranch near Mammoth)
- Ongoing brush removal project monitoring – 36B - BANWR
- MFA priority concerns map

- Stewardship Agreements for:
  - Storage trough sealing – 30B
  - Well repair – 35A
  - Well repair – 38M

- Project Development for:
  - Solar conversion – 30A
  - Cultural Resource Survey – 31
  - Water Development – 34B

Planned:

- Coordinated Resource Management Field Group meetings – Aug 24th/25th
- Tucson HPC meeting – Aug 17th
- Mule Deer Foundation meeting – Aug 10th
- Lower San Pedro Initiative Work Group meeting – Aug 23rd
- Site visit to evaluate wildlife needs on new ranch – 30B - Aug 11th

Deliberative Draft

Deliberative Internal Draft

GAME

Current:

- Bighorn Sheep surveys scheduled for 9/24-10/4. The Catalinas will use an extra helicopter and sighting rates will be determined using a variety of techniques.
- Scaled quail flush counts near Bonita
- Fixed-wing flights conducted to gather turkey movement and nesting data in Sectors 7 and 8.
- Pronghorn and Elk recommendations are being drafted by Sectors 8 and 9, will be turned in to PHX at the beginning of October.
- Submitted paperwork to HR to hire Game Specialist

Planned:

- Coordination for possible sheep translocation in mid-November from Region IV to Catalinas, depending on survey numbers
- Coordination for sheep translocation from Silverbells/Watermans to Aravaipa and Redfield (11/18) **Still looking for muggers!**
- Quail Check station at Willow Springs and Freeman Road on 10/1 and 10/2
- Training for downloading sheep collar info 10/4
- Bighorn Sheep Checkout training on 11/7
-

NONGAME

Current:

- *Ranid frogs* – Fall surveys were conducted for RU4 (Galiuro Mtns) Sept 14-15. A new occupancy site was located at Flower Tank in the Ash Creek area. (**32**)
- *Ranid frogs* – Fall surveys were conducted for RU1 (Parajito/Atascosa Mtns) Sept 9-11. RACH were observed at 8 of the 13 sites visited. T-frogs were not observed in Sycamore Canyon. (**35B**)
- *Cactus ferruginous Pygmy Owl* – Captive-bred owls were released on Pima Counties Lourdes Ranch near Ironwood National Monument. Radio-tracking will continue through Oct. (**37A**)
- *Black-tailed Prairie Dog* – Fall monitoring/trapping is scheduled for Sept 23-25 at the Mud Springs and Road Canyon release sites (**34B**)
- *Mount Graham Red Squirrel* – Fall survey is scheduled for Sept 26-28. (**31**)
- *Jaguar/Ocelot* Observation reports – continue sighting investigations and coordination. No Class I observations to report.

Planned:

- *Inverts* – The Pinaleno Mountain Land Snail Conservation Agreement is currently being updated. Review/Comments are due to J. Sorensen by Oct 14. The PMLS Working Group conference call is scheduled for Oct 19. **(31)**
- *Raptors* – Fall migratory surveys are scheduled for Sept 15 – Oct 15. These are preliminary surveys aimed at identifying potential sites for annual surveys.
- *Black-tailed Prairie Dog* – Sands Ranch release is on hold pending permits from Mexico. Releases will not occur this year if the permit is not authorized by mid-October. **(34B)**
- *Bats* – acoustic driving survey for Mount Lemmon Highway – Oct 12 **(33)**

NRCD / Lands Coordination

Current:

- Stewardship Agreements signed for water development projects in 35B and 30B (well pump replacement and concrete storage tank sealant)
- Stewardship Agreement submitted for signatures for water development projects in 37A/38M and 29 (well repair and conversion to solar)
- Stewardship Agreement developed for archaeology clearance in 31
- Visited two new ranches, one in 28, and one in 30A, to discuss development of a CRMP, and funding for a water development project (conversion to solar)
- Assisted with tour of Grasslands Restoration work in Bonita held by AAF and John Bacorn

Planned:

- Tour of erosion management project on King's (36C) – 9/30
- Sentinel Landscape Restoration Partnership Meeting – 9/29
- Tour of Brush Management work along Mexico border – 10/13
- Vegetation response monitoring on Sands Ranch – 10/19

Send Comments

From: Send Comments
Sent: Monday, September 19, 2016 12:54 PM
To: John Hervert
Subject: FW: Jaguar sighting

Fellow colleague,

The following message requires your attention. Would you please respond to the message below?

This message came from the Department's "Send Comments" section of the website

---

Please take the following steps to complete this task:

1. Type your response to this customer
2. Erase this portion of the message (this reduces confusion on the part of our customer)
3. Place 'sendcomments@azgfd.gov' in the CC line on every response so I can track the response

Thank you

From: [redacted]
Sent: Monday, September 19, 2016 11:40 AM
To: Send Comments
Subject: Jaguar sighting

Name:
City: Mohave valley
State: AZ
Zip: 86440
Area:
Email: [redacted]
Subject: Jaguar sighting
Comment: Just wanted to report I seen a jaguar on the California side of the Colorado River about [redacted] seen it about 1am on the 19th while fishing
Type: Comment
Regarding: Nuisance Wildlife
Phone:

Tim Snow

From: Tim Snow
Sent: Tuesday, October 04, 2016 10:31 AM
To: Brad Fulk
Subject: RE: Possible jaguar sighting?

Thanks Brad.

Tim K. Snow
Region V Terrestrial Wildlife Specialist
555 N. Greasewood Road
Tucson, AZ 85745
(520) 388-4449

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---

From: Brad Fulk
Sent: Tuesday, October 04, 2016 10:27 AM
To: Raul Vega; Tim Snow
Cc: Mark A. Hart
Subject: RE: Possible jaguar sighting?

FYI, the RP advised the photos were distorted. They are putting trail cams out. This can be disregarded as a Jaguar sighting based on the information provided.

Brad

From: Raul Vega
Sent: Tuesday, October 4, 2016 9:35 AM
To: Brad Fulk
Subject: RE: Possible jaguar sighting?

10-4
thx

From: Brad Fulk
Sent: Monday, October 03, 2016 4:36 PM
To: Mark A. Hart; Tim Snow
Cc: Raul Vega
Subject: RE: Possible jaguar sighting?

I spoke to [redacted] and her husband and he is trying to get photos sent. I will forward them if I get any. From the sightings and the descriptions, I do not expect this to be a Jag. Let's see what the photos provide.

Brad

From: Mark A. Hart
Sent: Monday, October 3, 2016 1:30 PM
To: Tim Snow
Cc: Raul Vega; Brad Fulk
Subject: RE: Possible jaguar sighting?

Nicole said she has track photos. I asked her to send them.

Mark

From: Tim Snow
Sent: Monday, October 03, 2016 12:59 PM
To: Mark A. Hart <MHart@azgfd.gov>
Cc: Raul Vega <RVega@azgfd.gov>; Brad Fulk <BFulk@azgfd.gov>
Subject: RE: Possible jaguar sighting?

Brad – Because this falls in the "lost property, with kids nearby" you guys should handle. Let me know if you think it is a jag.

-- Tim

Tim K. Snow
Region V Terrestrial Wildlife Specialist
555 N. Greasewood Road
Tucson, AZ 85745
(520) 388-4449

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From: Mark A. Hart
Sent: Monday, October 03, 2016 12:32 PM
To: Tim Snow
Cc: Raul Vega; Brad Fulk
Subject: Possible jaguar sighting?

A Sierra Vista a resident name [redacted] called. She lives at [redacted] Says she and other have seen a jaguar, lost pets and stock, with kids nearby.

Described it as gold in color with spots. Phone is [redacted]

Thanks,

Mark A. Hart
Public Information Officer
Arizona Game and Fish Department
555 N. Greasewood Road
Tucson, AZ 85745
Office: (520) 388-4445
Cell: (520) 282-0978

GAME ON!

WWW.AZGFD.GOV

Send Comments

From: [redacted]
Sent: Thursday, October 06, 2016 9:45 PM
To: Send Comments

Name:
City: bouse
State: AZ
Zip: 85325
Area:
Email: [redacted]
Subject:
Comment: Jaguar I saw a large orange spotted cat in very remote area of bill Williams mountain. Not a bob cat. Jd
Type: Comment
Regarding: Other
Phone: [redacted]

Susan MacVean

From:	Tom McCall
Sent:	Wednesday, October 19, 2016 3:16 PM
To:	Amber Munig
Cc:	Craig McMullen; Carl Lutch; Larry Phoenix; William Lemon
Subject:	FW: Cat Pictures; [redacted]
Attachments:	IMG_1560.PNG; AT100001.txt

Amber,

Attached is the cat picture that I mentioned on my phone message from a hunter [redacted]. Will said that the hunter wondered if it might be a possible jaguar. I believe the spots are just the result of a grainy photo, but I'm not a jaguar expert. There's also a second picture with 2 animals that I will forward. Who's the Department jaguar expert that we should send the photos to?

Tom McCall
Terrestrial Wildlife Specialist, Region 2 Arizona Game and Fish Dept.
3500 S Lake Mary Rd.
Flagstaff, AZ 86005
phone: (928) 214-1248

-----Original Message-----
From: William Lemon
Sent: Tuesday, October 18, 2016 8:48 PM
To: Tom McCall <TMcCall@azgfd.gov>
Subject:

Susan MacVean

From: Tom McCall
Sent: Wednesday, October 19, 2016 3:18 PM
To: Amber Munig
Cc: Carl Lutch; Craig McMullen; Larry Phoenix; William Lemon
Subject: FW: Another pic of the cat
Attachments: IMG_1565.PNG; ATT00001.txt

Here's the other picture.

Tom McCall
Terrestrial Wildlife Specialist, Region 2 Arizona Game and Fish Dept.
3500 S Lake Mary Rd.
Flagstaff, AZ 86005
phone: (928) 214-1248

-----Original Message-----
From: William Lemon
Sent: Wednesday, October 19, 2016 2:48 PM
To: Tom McCall <TMcCall@azgfd.gov>; William Lemon <WLemon@azgfd.gov>
Subject: Another pic of the "jag"

STEALTHCAM
02:42 10/18/16 44F
GUIDO CAM

Susan MacVean

From: Tom McCall
Sent: Monday, May 22, 2017 2:46 PM
To: Susan MacVean
Subject: FW: Another pic of the cat

Tom McCall
Terrestrial Wildlife Specialist, Region 2 Arizona Game and Fish Dept.
3500 S Lake Mary Rd.
Flagstaff, AZ 86005
phone: (928) 214-1248

-----Original Message-----
From: Amber Munig
Sent: Wednesday, October 19, 2016 3:45 PM
To: Tom McCall <TMcCall@azgfd.gov>
Cc: Carl Lutch <CLutch@azgfd.gov>; Craig McMullen <CMcMullen@azgfd.gov>; Larry Phoenix <LPhoenix@azgfd.gov>; William Lemon <WLemon@azgfd.gov>
Subject: Re: Another pic of the cat

Tom,
Those are mountain lions.

Amber Munig
Big Game Management Supervisor
Arizona Game and Fish Department
Sent from my iPhone

> On Oct 19, 2016, at 3:17 PM, Tom McCall <TMcCall@azgfd.gov> wrote:
>
> Here's the other picture.
>
> Tom McCall
> Terrestrial Wildlife Specialist, Region 2 Arizona Game and Fish Dept.
> 3500 S Lake Mary Rd.
> Flagstaff, AZ 86005
> phone: (928) 214-1248
>
>
> -----Original Message-----
> From: William Lemon
> Sent: Wednesday, October 19, 2016 2:48 PM
> To: Tom McCall <TMcCall@azgfd.gov>; William Lemon <WLemon@azgfd.gov>
> Subject: Another pic of the "jag"
>
>

>
> <IMG_1565.PNG>
>
>
>
> Sent from my iPhone

Susan MacVean

From: Tom McCall
Sent: Monday, May 22, 2017 2:44 PM
To: Susan MacVean [redacted]
Subject: FW: Cat Pictures [redacted]

Tom McCall
Terrestrial Wildlife Specialist, Region 2 Arizona Game and Fish Dept.
3500 S Lake Mary Rd.
Flagstaff, AZ 86005
phone: (928) 214-1248

-----Original Message-----
From: Tom McCall
Sent: Thursday, October 20, 2016 7:46 AM
Cc: Craig McMullen (cmcmullen@azgfd.gov) <cmcmullen@azgfd.gov>; Carl Lutch <CLutch@azgfd.gov>; LPhoenix@azgfd.gov; William Lemon (wlemon@azgfd.gov) <wlemon@azgfd.gov>
Subject: RE: Cat Pictures [redacted]

Will,

Amber believes that these are mountain lions. So I guess we will leave it at that.

Tom McCall
Terrestrial Wildlife Specialist, Region 2 Arizona Game and Fish Dept.
3500 S Lake Mary Rd.
Flagstaff, AZ 86005
phone: (928) 214-1248

-----Original Message-----
From: Tom McCall
Sent: Wednesday, October 19, 2016 3:16 PM
To: Amber Munig (amunig@azgfd.gov) <amunig@azgfd.gov>
Cc: Craig McMullen (cmcmullen@azgfd.gov) <cmcmullen@azgfd.gov>; Carl Lutch <CLutch@azgfd.gov>; LPhoenix@azgfd.gov; William Lemon (wlemon@azgfd.gov) <wlemon@azgfd.gov>
Subject: FW: Cat Pictures [redacted]

Amber,

Attached is the cat picture that I mentioned on my phone message from a hunter [redacted] Will said that the hunter wondered if it might be a possible jaguar. I believe the spots are just the result of a grainy photo, but I'm not a jaguar expert. There's also a second picture with 2 animals that I will forward. Who's the Department jaguar expert that we should send the photos to?

Tom McCall
Terrestrial Wildlife Specialist, Region 2 Arizona Game and Fish Dept.

3500 S Lake Mary Rd.
Flagstaff, AZ 86005
phone: (928) 214-1248

-----Original Message-----
From: William Lemon
Sent: Tuesday, October 18, 2016 8:48 PM
To: Tom McCall <TMcCall@azgfd.gov>
Subject:

Tim Snow

From: Tim Snow
Sent: Monday, October 24, 2016 9:28 AM
To: [redacted]
Cc: Send Comments
Subject: RE: Jaguar or Ocelot?
Attachments: OCELOTvsBOBCATvsSERVAL.pdf

[redacted] Thank you for reporting your observation. Your description and the location suggest that the cat was likely a large bobcat. Ocelots and bobcats are similar in size, up to 35 lbs or 20-25 inches at the shoulder, with bobcats having duller coats which may appear dirty or dull. Please take a look at the attachment and let me know if these photos help identify what you saw.

Thanks again,

Tim

Tim K. Snow
Region V Terrestrial Wildlife Specialist
555 N. Greasewood Road
Tucson, AZ 85745
(520) 388-4449

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From: [redacted]
Sent: Sunday, October 23, 2016 12:01:27 AM (UTC-07:00) Arizona
To: Send Comments
Subject: Jaguar or Ocelot?

Name: [redacted]
City: Green Valley
State: AZ
Zip:
Area:
Email: [redacted]
Subject: Jaguar or Ocelot?
Comment: Sighting to report: A week ago, a big cat crossed my front yard a [redacted] It was about tl

size of a German Shepherd, dull yellow with black spots. It sauntered across the yard and disappeared into the neighbor's yard. I don't know where it came from, but there is a park across tl street.

Type: Comment

Regarding: Raptor Sitings/Questions

Phone: [redacted]

Ocelot

Rosettes

Distinct elongated lines on nape

Spotting on coat distinct and bold

Ears

Rounded and smaller

Oceli (eyespot) less distinct, interior edge black

Tail

Long – as long or longer than rear legs; 12-16 inches

Head

Small; housecat-shaped

Eye-stripe

Always present and distinct

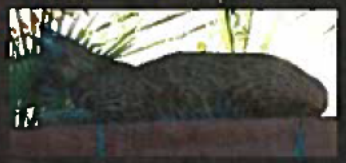
Size

24-35 lbs

Head and body – 35-50 inches

Height at shoulder– 16-20 inches

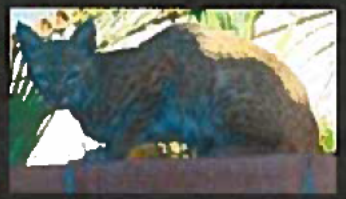
Bobcat



Rosettes

Absent elongated lines on nape

Spotting on coat more subtle (faded)



Ears

Tufted – appear pointed and longer

Oceli (eyespot) wider on outside edge

Tail

Short – may reach ½ way down rear legs; 4-7 inches

Head

Appears larger; lynx-like

Eye-stripe

May or may not be present; less distinct

Size

15-35 lbs

Head and body – 26-45 inches

Height at shoulder – 20-24 inches

Serval

Rosettes

Absent rosettes; 2-4 stripes on nape transition into spots

Distinctly spotted coat

Ears

Oval and closely set, appear elongated

Oceli (eyespot) bar-like

Tail

Relatively short – 7-15 inches

Head

May appear small in relation to its body

Eye-stripe

Absent; much less distinct

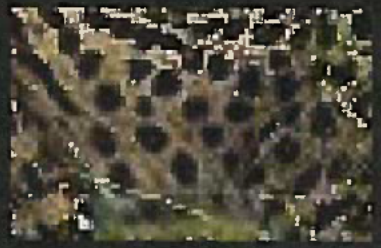
Size

15-40 lbs

Head and body – 23-36 inches

Height at shoulder – 21-26 inches

How to tell an ocelot, bobcat, or serval:



Typical coat pattern of an ocelot:

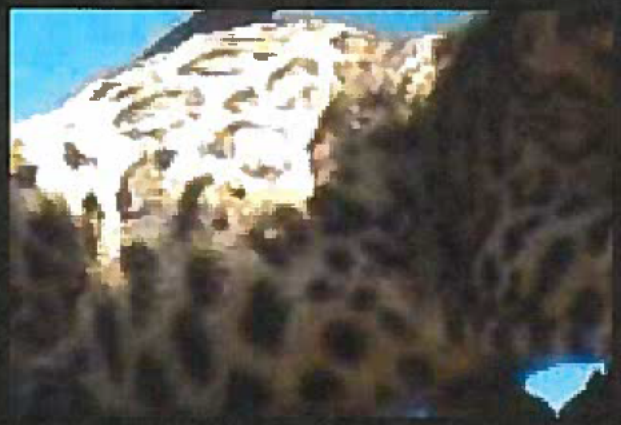
Spotting bold; distinct rosettes

Typical coat pattern of a bobcat:

Spotting more subtle or fading

Typical coat pattern of a serval:

Distinctly spotted; No rosettes



How to tell an ocelot, bobcat or serval:

Rounded ears on ocelot

Pointed and tufted ears on bobcat

Oval, closely-set ears on serval

How to tell an ocelot, bobcat, or serval:

Body shape: housecat-like

Long, ringed tail on ocelot

Body shape: stocky, lynx-like

Short, bobbed tail on bobcat

Body shape: tall, cheetah-like

Long legs give medium length appearance to tail on serval

What to do if you see a jaguar or ocelot (alive OR dead):

Immediately contact the Arizona Game and Fish Department

Region V – (520) 628-5376 Region VI – (480) 981-9400 Operation Game Thief – 1-800-352-0700

Provide important information, including:

Your name and a phone number where you can be reached for more information; location, time and type of sighting (alive or dead); identifying marks that confirm it was a jaguar or ocelot and not a bobcat or other animal; directions on how to get to the location; and a detailed description of the area.

If you find a dead jaguar or ocelot:

If you can, please stay with the carcass until Arizona Game and Fish Department staff arrive. If you are unable to stay, please photograph the carcass without disturbing the scene. If on a roadway, move the carcass off the roadway so that it is not compromised by additional traffic. Be sure to let AGFD staff know exactly where to find the carcass so they may retrieve it and collect important information such as cause of death, internal tags (if any), and possible genetic material.

Send Comments

From: [redacted]
Sent: Tuesday, October 25, 2016 1:47 PM
To: Send Comments
Subject: Black Panther Sighting in 24B

Name: [redacted]
City: Apache Junction
State: AZ
Zip: 85119
Area: Phoenix
Email: [redacted]
Subject: Black Panther Sighting in 24B
Comment: Hello, I was assisting my friend who has her current White Tail license for unit 24B. My turn there begins Nov. 4th. We used my truck odometer to be sure we were at least 0.3ths of a mile from that aging semi-trailer/tanker at the top of Tule trail Canyon (water tanks there). On 10/21/16, at 6:30pm, we were glassing from the following Lat./Long. My ears are getting old, but she nudged me to ask if I "hear that"? I cast my eyes in the direction of her focus, and immediately saw a long, BLACK cat being chased by two huge Javelina's. The cat's tail was as long as its body, as it was scurrying away from the pursuers, with a low-to-the-ground crouch. I can only suppose there must have been an altercation over young Javelina. The Javelina were clearly in focus, and aging gray-white in color. I understand they look heavier than they are, but appeared to be up to 300lbs. I know - Silly us. My professional guide-service neighbor says he has never seen Javelina heavier than 75lbs, and he says Black Jaguars have been extinct in Arizona since the 1950's, and that we probably saw a mountain lion. Others I spoke with have said they are making a comeback from Mexico. If you have a trained expert with interest, they can go to the area, and certainly see tracks chasing tracks! We were standing at: 33deg. 35' 50.22" N., 111deg. 05' 52.11" W. looking south into the minor ravines and hillside backdrop. The chase was headed downhill / east in the closest ditch at 60yds away. They went about 20yds, and turned south, uphill, (right). My friend saw them make the turn. I saw the cat (she only saw the Javelina making chase). The ditch (of two that are parallel) is at 33deg. 35' 48.41" N., 111deg. 05' 51.19" W. I would entertain questions at my phone provided. Respectfully, Philip Fulton.
Type: Comment
Regarding: Other
Phone: [redacted]

Tim Snow

From: Tim Snow
Sent: Monday, October 31, 2016 2:30 PM
To: Michael Richins; Gilbert Gonzales
Cc: Duane Aubuchon
Subject: FYI: Large cat sighting
Attachments: Observation Report Form_Larson_10282016.docx

No action need. FYI -- I suspect it was most likely a bobcat, but they thought it had a 2-ft tail. Only seen for a second, 2-300 feet in front of the ca[redacted]RP said 2-ft tall at shoulder, suggesting smaller than a mountain lion.

-- Tim

Tim K. Snow
Region V Terrestrial Wildlife Specialist
555 N. Greasewood Road
Tucson, AZ 85745
(520) 388-4449

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From: Alanen, Marit [mailto:marit_alanen@fws.gov]
Sent: Monday, October 31, 2016 1:50 PM
To: Tim Snow
Subject: Large cat sighting

Hi Tim,

I had a message on my phone Friday from [redacted] who wanted to report a sighting of a large cat crossing the road near his home south of Willcox on that same day.

I called him back today to discuss it -- I don't know why I didn't think of the observation form before I got off the phone with him, but I pulled it up after we hung up and filled in the information that he told me. I thought I'd then send it to you for whatever database you keep with this information. He said to go ahead and e-mail or call him if you have any questions.

Thanks,

Marit Alanen

Fish & Wildlife Biologist
US Fish & Wildlife Service
201 N Bonita Ave, Suite 141
Tucson, AZ 85745

Ph: (520) 670-6150 x 234
Fx: (520) 670-6155
http://www.fws.gov/southwest/es/arizona/

CLASS[1] _____

Arizona Game and Fish Department
Reported Jaguar/Ocelot/Jaguarundi Observation Form

Interviewer (Name/Job Title) Marit Alanen/USFWS Biologist Interview Date 10/31/2016

Observer (Name) [redacted] Phone (C [redacted] Email [redacted]

Address [redacted] Occupation Retired

Relevant Biological/Outdoor Experience Grew up hunting and fishing in the Upper Peninsula of MI Additional Observers None Contact Info

Original report date 10/28/2016 Reported via X Phone ____ e-mail/letter ____ in person

Report received by Marit Alanen Agency USFWS

Observation Details:

Date of Observation: 10/28/2016

Location (state, county, legal, GPS coordinates with Datum, etc.) Arizona, Cochise Co

Description of site (habitat, land use, etc.) Including visibility (open hillside, brushy, etc.) Dirt roads, agricultural. Open, but lots of tall weeds and some mesquite trees

Description of event / observation Crossing dirt road (Mockingbird Ln) approx. 20 mi S of Willcox and 5 mi W of Chiricahua Mts. saw shoulders, hind end, and tail for about a second as it leapt into the tall weeds (ragweed)

Time of day early-mid p.m. Duration (total time of observation) About 1 sec Photo (Y or N)

Location of the sun to observer ____ overhead ____ behind animal ____ behind observer

Number of animals seen 1 Distance from observer 200-300' Optical aids used ____

Description of animal:

Body (color, size, markings, etc) Appeared spotted, back end ~2' high, maybe 80-100 lbs?

Tail (longer/shorter than body) Long tail, ~2', black and white bands Head/Face Did not see head (hidden by mesquite)

Legs/Feet ____ Other ____

Behavior of animal Crossing road (heading S), leapt up embankment into tall weeds

Other signs observed (scat, tracks, prey remains, etc.) Tracks, but did not take a photo

Specific Questions for the Reporting Party:

Observer's first impression: Appeared to be a very large cat, not a dog, and black and white bands on tail were obvious

Were notes taken during the observation ____ or from memory? X

Were references used in your decision: ____ Field guide(s) ____ Advice from friends/colleagues X Images from Internet

If used, how did this change or influence your decision?

Describe how/why similar species were discounted:

Actions/Follow-up: (for agency personnel only)

Reasons for acceptance\denial:[2]

Additional Notes:

[1]Classification is applied by the Department representative to the Jaguar Conservation Team, usually the Region V Nongame Specialist. I – Confirmed, w/ visual or physical evidence; II – Probable, w/ merit, II – Unsubstantiated, without merit, III – Not Likely

[2](Select one) Visual or physical evidence provided \ confirmed to be jaguar\ocelot\jaguarundi, Inconclusive w\merit – 2 or more separate observations events within same area timeframe, Inconclusive w\merit – Observer has worked with or studied jaguars\ocelots\jaguarundis, Inconclusive – Experienced observer familiar with other large cats/mammals, Inconclusive – Inexperienced observer provides detailed description suggesting possible account, Unlikely – Observer provides vague description of animal\account\event, Unlikely – Questionable credibility, Observer exaggerates, reports other rare observations\events

Tim Snow

From: Tim Snow
Sent: Monday, October 31, 2016 2:38 PM
To: 'Alanen, Marit'
Subject: RE: Large cat sighting

Thanks Marit. I have Classified it as a Class III observation for Ocelot. The 2-ft shoulder height is likely too small for a jaguar, and the estimated weight doesn't match that height. Timing of the day also suggests something different. No real way to follow-up, except to hope for additional observations from same area. FYI -- Ash Creek School is off Hwy 181 near Sunizona, not quite the right habitat or terrain for either of the rare cats.

-- Tim

Tim K. Snow
Region V Terrestrial Wildlife Specialist
555 N. Greasewood Road
Tucson, AZ 85745
(520) 388-4449

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From: Alanen, Marit [mailto:marit_alanen@fws.gov]
Sent: Monday, October 31, 2016 2:00 PM
To: Tim Snow
Subject: Re: Large cat sighting

I should add that he said it was about 1/4 mi north of Ash Creek School -- I think I forgot to add that information to the form.

Marit Alanen
Fish & Wildlife Biologist
US Fish & Wildlife Service
201 N Bonita Ave, Suite 141
Tucson, AZ 85745

Ph: (520) 670-6150 x 234
Fx: (520) 670-6155
http://www.fws.gov/southwest/es/arizona/

On Mon, Oct 31, 2016 at 1:49 PM, Alanen, Marit <marit_alanen@fws.gov> wrote:
Hi Tim,

I had a message on my phone Friday from [redacted] who wanted to report a sighting of a large cat crossing the road near his home south of Willcox on that same day.

I called him back today to discuss it -- I don't know why I didn't think of the observation form before I got off the phone with him, but I pulled it up after we hung up and filled in the information that he told me. I thought I'd then send it to you for whatever database you keep with this information. He said to go ahead and e-mail or call him if you have any questions.

Thanks,

Marit Alanen
Fish & Wildlife Biologist
US Fish & Wildlife Service
201 N Bonita Ave, Suite 141
Tucson, AZ 85745

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Deliberative Draft

GAME

Current:

- For October: one BHS check in, 6 ML check ins, 9 BB check ins
- Rana Tucker is acting Game Spec through 12/4, Allison Dutt will be acting Game Spec from 12/5-1/6
- Coordination/planning for sheep translocation in mid-November from Region IV to Catalinas, depending on Yuma survey numbers
- Coordination/planning for sheep translocation from Silverbells/Watermans to Aravaipa and Redfield (11/18)
- Drafting signs and creating barrels/questionaires for rabbit aging study in Altar Valley

Planned:

- Bighorn Sheep Checkout training on 11/7
- Open House for pronghorn and elk recommendations on 11/28
- BHS translocation from Silverbells/Watermans to Aravaipa and Redfield, up to 30 animals (11/18)
- BHS Translocation in mid-November from Region IV to Catalinas, depending on Yuma survey numbers, up to 20 animals

NONGAME

Current:

- Inverts: The Pinaleno Land Snail Working Group meeting was held on Oct 19, 2016. Discussions were centered on the groups draft Pinaleno Land Snail Conservation Agreement. Comments must be sent to Jeff Sorensen by **December 5**.
- Mount Graham red squirrel survey results were 252 (+/- 11) squirrels. This is a slight decrease from last year's 263 squirrels.
- Black-tailed prairie dog – Sands Ranch (Pima County) releases have been postponed until next year due to inability to receive permits from Mexico.
- Jaguar/Ocelot – No confirmed jaguar reports. Ocelot #4 continues to be observed in the Huachuca Mountains; the latest detection was 10/10/2016.

Planned:

- Inverts: The Department is developing an iNaturalist data app for smartphones and tablets so that we can use "citizen science" to help collect more locality and observation information on land snails statewide. A new survey protocol is available if anyone is interested in assisting.
- Gartersnake Conservation Working Group annual meeting is scheduled for Dec 1-2 at the Region 2 Office in Flagstaff.
- Mount Graham red squirrel: The USFWS, University of Arizona, and The Phoenix Zoo are moving forward with captive rearing

efforts, which include initiation of an artificial midden construction project. Site selection for artificial midden construction TBD.

NRCD / Lands Coordination

Current:

- Well repair in 35B is complete, concrete storage tank sealant in 30B in progress. Stewardship Agreement signed for well repair project in 37A/38M, waiting for work to be done.
- Developing agreement for well conversion in 30A
- Waiting on signatures for Stewardship Agreement for archaeology clearance in 31
- Support for grubbing project in 31
- Rewriting Crew Use Agreement with State Forestry for mesquite clearing project in 36C (extending deadline)
- Attended Altar Valley Conservation Alliance Work Group meeting 11/1 at RO; they discussed a study on possible erosion control in Altar Wash with JE Fuller Construction
- Attended Border Brush Tour of herbicide treatments near Naco 10/13

Planned:

- Aravaipa Watershed Conservation Alliance meeting--11/8
- Winkelman NRCD quarterly meeting—11/16
- Site visit to new ranch in 34B (tbd)
- Site visit to new ranch in 28 (tbd)
- Assisting with sheep capture/relocation 11/18
- Open House re: elk/pronghorn hunt recommendations 11/28

Tim Snow

From: Tim Snow
Sent: Tuesday, November 01, 2016 8:54 AM
To: James Driscoll
Cc: Craig McMullen; Tom McCall
Subject: RE: Cat Pictures [redacted]

I concur, both pictures look like mountain lion to me.

-- Tim

Tim K. Snow
Region V Terrestrial Wildlife Specialist
555 N. Greasewood Road
Tucson, AZ 85745
(520) 388-4449

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From: James Driscoll
Sent: Monday, October 31, 2016 10:18 PM
To: Tim Snow
Subject: Fwd: Cat Pictures [redacted]

Three emails in total. What do you think?

Please excuse the typos. Sent from my iPhone and I have fat fingers.

Begin forwarded message:

> **From:** "Craig McMullen" <CMcMullen@azgfd.gov>
> **To:** "James Driscoll" <JDriscoll@azgfd.gov>
> **Subject: FW: Cat Pictures** [redacted]
>
> Did these make it around to you?
> -----Original Message-----
> From: Tom McCall
> Sent: Wednesday, October 19, 2016 3:16 PM
> To: Amber Munig

Cc: Craig McMullen; Carl Lutch; Larry Phoenix; William Lemon
Subject: FW: Cat Pictures [redacted]

Amber,

Attached is the cat picture that I mentioned on my phone message from a hunter in [redacted] Will said that the hunter wondered if it might be a possible jaguar. I believe the spots are just the result of a grainy photo, but I'm not a jaguar expert. There's also a second picture with 2 animals that I will forward. Who's the Department jaguar expert that we should send the photos to?

Tom McCall
Terrestrial Wildlife Specialist, Region 2 Arizona Game and Fish Dept.
3500 S Lake Mary Rd.
Flagstaff, AZ 86005
phone: (928) 214-1248

-----Original Message-----
From: William Lemon
Sent: Tuesday, October 18, 2016 8:48 PM
To: Tom McCall <TMcCall@azgfd.gov>
Subject:

Sent from my iPhone

Print Form | Submit by Email

CLASS III - Not Likely

Arizona Game and Fish Department

Reported Jaguar/Ocelot/Jaguarundi Observation Form

Interviewer (Name - Job Title): T. Snow

Interview Date: 11/07/16

Observer (Name): [redacted]

Phone (H): [redacted] (W):

Address: [redacted]

Occupation:

Relevant Biological/ Outdoor Experience:

Additional Observers:

Contact Info:

Original report date: 11/7/16

Reported via: [X] Phone [ ] e-mail/letter [ ] in person

Report received by: Locana de Souza

Agency: AZGFD

Observation Details:

Date of Observation: 11/5/2016

Location (state, county, legal, GPS coordinates with Datum, etc.): near residence

Description of site (habitat, land use, etc.) including visibility (open/hilly, brushy, etc.): urban fringe: Tucson Mtns, sonoran desertscrub

Description of event/ observation: While standing on porch/decking in the mid-afternoon the RP heard a unfamiliar rolling growl coming from approximately 100 yards away, RP thought it was strange, possibly an injured animal, almost elk like

Time of day: ca 3 pm

Duration (total time of observation): 3-4 times

Photo taken: [ ] Yes [X] No

Location of the sun to observer: [ ] overhead [ ] behind animal [ ] behind observer

Number of animals seen: [ ]

Distance from observer:

Optical aids used:

Description of animal:

Body (color, size, markings, etc.):

Tail (longer/shorter than body):

Head/Face:

Legs/Feet:

Other:

Behavior of animal:

Other sign(s) observered (tracks, scat, prey remains, etc.):

Specific Questions for the Reporting Party:

Observer's first impression: injured animal, like a bugling elk

Were notes taken during the observation [ ] or from memory? [X]

Were References used in your decision? [ ] Field guide(s) [X] Advice from friends/colleagues [ ] Images from Internet

If used, how did this change or influence your decision? listened to jaguar calls off the internet, sounds were very similar, sounded exact

Describe how/why similar species were discounted: RP cannot think of any other sounds. Not quite like an injured animal and RP knows elk do not occur here. Contacted the Jaguar Project and listened to jaguar calls off the internet. Pretty sure these were the same

Actions/Follow-up: (for agency personnel only) No follow-up. No means to verify

Reasons for acceptance\denial: Unlikely - Report\evidence suggests animal other than jaguar\ocelot\jaguarundi

Additional Notes: Timing of the day and location suggests something other than a jaguar

Send Comments

From: Send Comments
Sent: Monday, November 14, 2016 4:54 PM
To: [redacted]
Subject: RE: Endangered jaguarundi cat

Hello and thank you for contacting Arizona's Game and Fish Department.

If you would like to, photos of animals can be sent to this email address. Please know that photography of wildlife should be done from a safe distance and location. If the picture is of sufficient quality and clarity, we may be able to identify it, but realize that many of our biologists are in frequently in the field for weeks at a time and you may not hear back from them immediately. Thanks for your time and interest!

****

Human Dimensions Coordinator
Arizona Game and Fish Department
5000 West Carefree Highway
Phoenix, AZ 85086
****

Stay informed on topics of interest to you by signing up to receive Arizona Game and Fish Department newsletters http://www.azgfd.gov/eservices/subscribe.shtml. Pick and choose those that interest you.

From: [redacted]
Sent: Saturday, November 05, 2016 10:16 AM
To: Send Comments
Subject: Endangered jaguarundi cat

Name: [redacted]
City: Dewey
State: AZ
Zip:
Area: Dewey, Yavipai County
Email: [redacted]
Subject: Endangered jaguarundi cat
Comment: I have some night video taken with my CCTV FLIR system that shows a large cat that looks like a young mountain lion and several videos of another cat, about two and a half ft. long, 3 ft. tail, about twice the size of a large house cat. The first cat verified by a local lion hound hunter in Humbolt/Dewey. The other cats we are unsure of? Can show to any of your reps. when they are in the area [redacted]
Type: Other
Regarding: Other
Phone: [redacted]

Karen Klima

From: Karen Klima
Sent: Monday, November 16, 2015 4:46 PM
To: Tim Snow
Subject: Fwd: HWI 15WI02948 JAGUAR CAT 4
Attachments: image001.png

Tim,
FYI. I am on leave through Friday.

Karen Klima
AZGFD
Wildlife Manager GMU 36A
(520) 975-6490

Begin forwarded message:

> **From:** Susan Batitsas <sbatitsas@azgfd.gov>
> **Date:** November 16, 2015 at 3:44:26 PM MST
> **To:** Karen Klima <KKlima@azgfd.gov>
> **Cc:** Brad Fulk <BFulk@azgfd.gov>, Radio Room <RadioRoom@azgfd.gov>
> **Subject: HWI 15WI02948 JAGUAR CAT 4**

Tim Snow

From: Tim Snow
Sent: Monday, November 21, 2016 11:20 AM
To: James Driscoll
Subject: RE: Jaguar Conservation Directive

The only copy I have is the pdf.

-- Tim

Tim K. Snow
Region V Terrestrial Wildlife Specialist
555 N. Greasewood Road
Tucson, AZ 85745
(520) 388-4449

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---

From: James Driscoll
Sent: Monday, November 21, 2016 11:11 AM
To: Tim Snow
Cc: Josh Avey; Amber Munig
Subject: Jaguar Conservation Directive

Tim,

We have a need to revisit and update this directive. Everything still may be applicable, but we no longer have jaguars or ocelots under our 10 a(1)(A) permit. I think we should meet sometime when you are up here, bring in Amber to discuss what it is missing, and then run draft language through the USFWS.

Do you have this document in soft copy form? I do not, but I may have a way to find it if you do not have it readily available.

Thanks,

Jamey Driscoll
Nongame Birds and Mammals Program Manager
Arizona Game and Fish Department
5000 West Carefree Highway
Phoenix, Arizona 85086

I apologize for the typos. I am a dyslexic typist.

Office: 623-236-7581

Cell: 602-541-8812
Fax: 623-236-7926

Please consider the environment before printing this e-mail, and do so only if absolutely necessary.

Tim Snow

From:	Tim Snow
Sent:	Wednesday, November 23, 2016 11:35 AM
To:	James Driscoll; Josh Avey
Subject:	RE: Directives on Management Activities in the Jaguar and Ocelot Areas of Capture Concern and the Mexican Wolf 10j Area.
Attachments:	Jaguar Ocelot Management Directive 20161117_tsnow comments.docx

Jamey – Here are my comments/edits. Let me know if you have any questions.

-- Tim

Tim K. Snow
Region V Terrestrial Wildlife Specialist
555 N. Greasewood Road
Tucson, AZ 85745
(520) 388-4449

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---

From: James Driscoll
Sent: Tuesday, November 22, 2016 4:16 PM
To: Josh Avey; Tim Snow
Subject: Directives on Management Activities in the Jaguar and Ocelot Areas of Capture Concern and the Mexican Wolf 10j Area.

Tim/Josh,

Attached is my revised version of the Directives. As you will see, I significantly reduced the size of the document to reduce confusion. About half of what I removed was redundant, and the other half was not necessary.

Please edit and return to me. We can discuss the next steps after the review.

Thanks,

Jamey Driscoll
Nongame Birds and Mammals Program Manager
Arizona Game and Fish Department
5000 West Carefree Highway
Phoenix, Arizona 85086

I apologize for the typos. I am a dyslexic typist.

Office: 623-236-7581
Cell: 602-541-8812
Fax: 623-236-7926

Please consider the environment before printing this e-mail, and do so only if absolutely necessary.

ARIZONA GAME AND FISH DEPARTMENT
INTEROFFICE MEMO

TO: Department Employees

FROM: Larry D. Voyles, Director

SUBJECT: Revised Directives on Management Activities in the Jaguar and Ocelot Areas of Capture Concern and the Mexican Wolf 10j Area.

DATE: January 1, 2017

As of the date of this memo, I am issuing the following revised Directives on Management Activities within the Jaguar and Ocelot Areas of Capture Concern and the Mexican wolf 10j boundary (hereafter AOCC and 10j) to all employees and their supervisors. Supervisors are responsible to verify that each of the directives are communicated, understood, and implemented correctly. The attached tables identify the management activities and actions to be taken by employees within the AOCC and 10j as described.

These directives replace earlier versions, and will remain in effect unless formally revoked, superseded, or extended. These directives will be a standard condition in any:

- Research Study Plan
- Post-transplant or Post-release Monitoring Plan
- Environmental Assessment Checklist
- Management Work Plan
- NEPA/ESA-compliance document

Any Department employee who observes a jaguar or ocelot, or who receives such a report, shall immediately report the observation to the Regional Terrestrial Wildlife Specialist. The Regional Terrestrial Wildlife Specialist will follow the Department Rare/Endangered Cats Reporting Protocol.

LDV:jd

AIRCRAFT OPERATIONS		
Action	Directive	Process Owner
Wildlife Survey	Immediately, but safely, increase flight altitude sufficiently to avoid disturbance of a jaguar or ocelot if observed. The flight path and survey block shall be abandoned or reinitiated at least ½ mile from the detection point. For 48 hours, low level flight paths shall not occur within ½ mile of the detection point.	Terrestrial Wildlife Branch Chief Region V Field Supervisor Region VI Field Supervisor Field Operations Division Coordinator
Wildlife Capture Operations (except Mexican wolf)	The capture attempt shall be abandoned immediately, but safely, to avoid disturbance of a jaguar or ocelot if observed. UNLESS: the animal is entangled in a capture net or under the effects of an administered tranquilizing or sedating drug. In these instances, care for the target animal shall be addressed, and the area within ½ mile of the detection point shall be abandoned for at least 48 hours following the sighting.	Research Branch Chief Terrestrial Wildlife Branch Chief Region V Field Supervisor Region VI Field Supervisor Field Operations Division Coordinator
Development Activities	Immediately, but safely, increase flight altitude sufficiently to avoid disturbance of a jaguar or ocelot if observed. The flight path shall be abandoned or reinitiated at least ½ mile from the detection point. For 48 hours, low level flight paths shall not occur within ½ mile of the detection point. During a sling load operation, safety of pilot, passengers, and aircraft are considered first, but load deposition and flight alteration need to occur quickly. Personnel will not be abandoned in an unsafe location, but relocation of personnel may be considered. If unable to avoid the detection point spatially, a temporal avoidance of at least 1 hour will be used to minimize further disturbance, after which, the fewest practical flights will be used to secure the site and remove personnel.	Development Branch Chief
Telemetry Flights	To avoid disturbance of a jaguar or ocelot if observed, the pilot shall immediately, but safely, abandon attempts to obtain a fix on a radio collar if the aircraft is below 2,500 feet above ground level and within ½ mile of the detection point. Subsequent flight paths below 2,500 feet above ground level shall not pass within ½ mile of the detection point for at least 48 hours.	Research Branch Chief Terrestrial Wildlife Branch Chief Region V Field Supervisor Region VI Field Supervisor Field Operations Division Coordinator

Comment [TS1]: I'm wondering if this section should not go first since it identifies low level flight.

CAPTURE OF BEARS OR MOUNTAIN LIONS		
Action	Directive	Process Owner
Research	Department research projects to capture bears or mountain lions in the AOCC and 10j must obtain a USFWS permit for incidental take jaguar, ocelot, and Mexican wolf.	Research Branch Chief
Nuisance Wildlife	Culvert traps may be used to capture nuisance bears within the AOCC, but NOT to capture nuisance mountain lions. The following precautions will be implemented: • Traps must be monitored at a minimum of every 24 hours. • Baits must be non-animal-derived materials that can reasonably be expected not to attract large cats.	Region V Supervisor Region VI Supervisor

Comment [TS2]: Should be consistent with the wolf capture bullet: "jaguar/ocelot derived attractants" (e.g. scat, urine, scent, etc.)? If meat or fish baits can be used for wolves, then it should also be allowed for nuisance bears. The public safety issue and the "not reasonably expected to attract large cats" caveats should cover our compliance issue.

MEXICAN WOLF INTERAGENCY FIELD TEAM ACTIVITIES.		
Action	Directive	Process Owner
Removal Orders	Actions taken pursuant to a Mexican Wolf Removal Order or Management Directive is authorized by USFWS. Risk of take of a jaguar or ocelot during such activities is assumed by USFWS.	Interagency Field Team Leader
Captures	The Department's Interagency Field Team will adhere to the following while trapping in the AOCC: • The Interagency Field Team will be trained in the approved jaguar/ocelot handling protocols. • Interagency Field Team Leader will confirm with the Regional Terrestrial Wildlife Specialist the dates and locations of the most recent jaguar or ocelot occurrence, and notify the appropriate Regional Supervisor and Terrestrial Wildlife Branch Chief of the intent to trap in those locations. • Traps within 10 miles of a jaguar or ocelot occurrence within the previous six months shall be monitored at least every three hours. • Any exposed carcass used for trapping will be staked 30 feet of the traps to prevent being dragged by a scavenging animal. • No jaguar or ocelot-derived attractants will be used. • The Interagency Field Team will ~~anesthetize and~~ immediately release any jaguar or ocelot captured ~~immediately,~~ and close all remaining traps. Use of immobilization drugs for releasing any jaguar or ocelot require consultation with the Terrestrial Wildlife Branch Chief and the Wildlife Health Specialist (consultation may occur via Radio Room). The Interagency Field Team Leaders will contact the Regional Supervisor and Terrestrial Wildlife Branch Chief, who will contact the Field Operations Assistant Director, Assistant Director for the Wildlife Management Division, and the USFWS Arizona Ecological Services Supervisor.	Interagency Field Team Leader

Comment [TS3]: I'm not sure what this is for; how does this increase the chance of a jaguar or ocelot capture?

I do not believe this is in reference to a carcass that is being used in the trapping. I suspect that this was more of a wolf trapping protocol (e.g. setting traps near a large carcass or kill site). As such, they wouldn't want to remove a large carcass if found near the trap site, but at the same time did not want a non-target scavenger to be able to drag the carcass into the trap site.

Comment [TS4]: This means scat, urine, scent, etc. However, was the intent similar to the bear/lion directive of "non-animal-derived materials". I think the caveat of "not reasonably expected to attract large cats" is our intent and covers most of our compliance needs. If we can use animal-derived baits (not reasonably expected to attract large cats) for wolves, then we should also be able to use similar baits when trapping bears.

Comment [TS5]: The method of release has to be determined on site; immobilization drugs may or may not be used.

The concern was that nobody in the Department was experienced to know the proper dosage and most appropriate drug to use for anesthetizing a jaguar. This is why the 2013 directive (veterinary list) stated "work through Radio Room to consult with the Nongame Chief and the Wildlife Health Specialist for guidance". Maybe we should still consider that wording here.

DEPARTMENT LICENSES, AUTHORIZATIONS, APPLICATIONS, SUPPORT AND ENVIRONMENTAL ASSESSMENTS		
Action	Directive	Process Owner
Wildlife Service Licenses (R12-4-421)	The Department shall NOT authorize Wildlife Service Licensees to use the following methods of take within the AOCC or 10j, UNLESS the Wildlife Service Licensee ~~possessing~~ possesses a USFWS permit for incidental take of federally listed wildlife including jaguar, ocelot, and Mexican wolf through use of those techniques: • Steel or off-set jaw foothold traps (e.g., only padded jaw traps are allowable). • Padded jaw foothold traps that are larger than a #3N Victor. • Foothold snares of sufficient size to capture an animal larger than a coyote. • Neck snares of any type. • Use of dogs.	Region V Field Supervisor Region VI Field Supervisor
Scientific Collecting Licenses (R12-4-418)	Accompanying the Scientific Collecting License, the Department will stipulate that: • The Licensee is solely responsible for obtaining any federal authorization required for incidental take of federally listed wildlife including jaguar, Mexican wolf and ocelot. • The state license is invalid without the necessary federal authorizations required by federal law. The Nongame Birds and Mammals Program Manager and the Terrestrial Wildlife Branch Chief must review all applications that could result in the take of a jaguar, ocelot, or Mexican wolf.	Scientific Collecting License Administrator Terrestrial Wildlife Branch Chief Nongame Birds and Mammals Program Manager
APHIS Wildlife Services	All documents will include a statement affirming that state authorization is contingent upon APHIS Wildlife Services possessing a USFWS permit for incidental take of federally listed wildlife including jaguar, ocelot, and Mexican wolf.	Terrestrial Wildlife Branch Chief
Grants/Projects Applications or Supported	Any grants, contracts or cooperative projects applied for, or supported through a letter, by the Department shall be compliant with the appropriate directive if the project falls within the AOCC or 10j.	Funds/Planning Manager All Employees
Environmental Assessments	All project leads shall determine if any component of a project falls within the AOCC or 10j. The project leads will include the relevant Directive pertaining to the project within the Environmental Assessment. The Nongame Birds and Mammals Program Manager and the Terrestrial Wildlife Branch Chief must review all Environmental Assessments that could result in the take of a jaguar, ocelot, or Mexican wolf.	Habitat Branch Chief Terrestrial Wildlife Branch Chief Nongame Birds and Mammals Program Manager