

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: March 31, 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These directives replace earlier versions, and will remain in effect unless formally revoked, superseded, or extended.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 of the following:

- Research Study Plan
- Predation Management 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

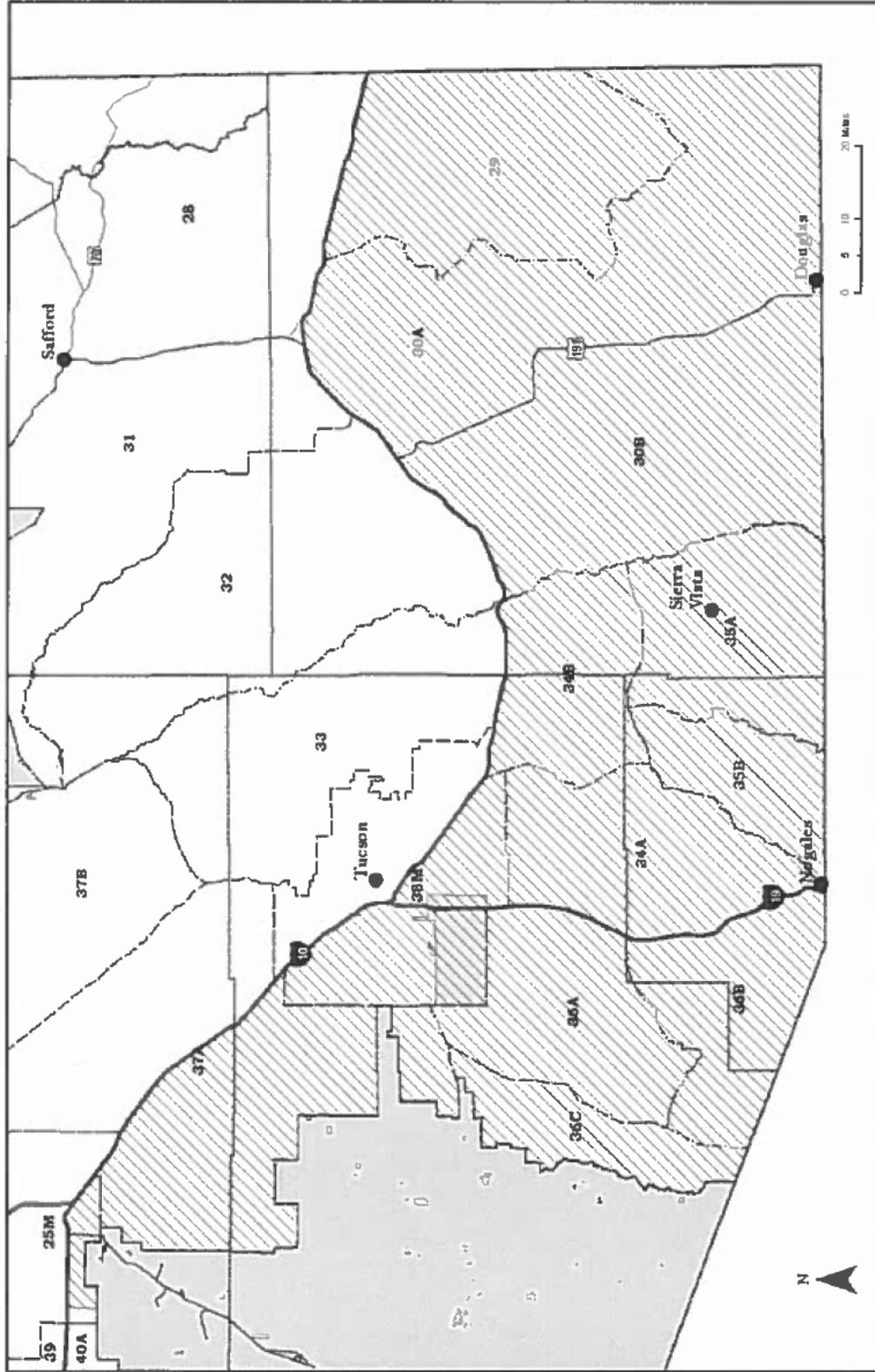
AIRCRAFT OPERATIONS		Process Owner
Action	Directive	
Telemetry Flights	To avoid disturbance of a jaguar or ocelot if observed, the pilot shall immediately, but safely, abandon attempts to obtain a fix on a radio collar if the aircraft is below 2,500 feet above ground level and within ½ mile of the detection 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
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.	Research Branch Chief 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 target 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

CAPTURE OF BEARS OR MOUNTAIN LIONS FOR RESEARCH AND NUISANCE WILDLIFE	
Action	Directive
Research	<p>Department research projects to capture bears, coyotes, bobcats, or mountain lions in the AOCC and 10j must obtain a USFWS permit for incidental take jaguar, ocelot, and Mexican wolf.</p> <p>Culvert traps may be used to capture nuisance bears within the AOCC, but <u>NOT</u> to capture nuisance mountain lions. The following precautions will be implemented:</p> <ul style="list-style-type: none"> • 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. <p>Nuisance mountain lions will be captured using hunting or hunting with dogs only within the AOCC.</p> <ul style="list-style-type: none"> • No jaguar or ocelot-derived attractants will be used. • If a jaguar or ocelot is inadvertently chased and/or treed by dogs, the dogs must be immediately called off the trail upon realization that a non-target animal is being chased.
Nuisance Wildlife	<p>Terrestrial Wildlife Branch Chief Region V Supervisor Region VI Supervisor</p>
	Process Owner Research Branch Chief

MEXICAN WOLF INTERAGENCY FIELD TEAM ACTIVITIES.	
Action	Directive
Removal Orders	<p>Risk of take of a jaguar or ocelot for actions taken pursuant to a USFWS authorized Mexican Wolf Removal Order or Management Directive is assumed by USFWS.</p> <p>The Department's Interagency Field Team will adhere to the following while trapping in the AOCC:</p> <ul style="list-style-type: none"> • The Interagency Field Team will be trained on the approved Jaguar and Ocelot Capture, Handling, and Immobilization Protocol. • 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 baits used for trapping will be staked 30 feet from the traps to prevent being dragged by a scavenging animal. • No jaguar or ocelot-derived attractants will be used. • The Interagency Field Team will immediately release any jaguar or ocelots captured, following the Jaguar and Ocelot Capture, Handling, and Immobilization Protocol, and close all remaining traps within 10 miles of the trapping location. The Interagency Field Team Leader 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.
Captures	<p>Interagency Field Team Leader</p>
	Process Owner Interagency Field Team Leader

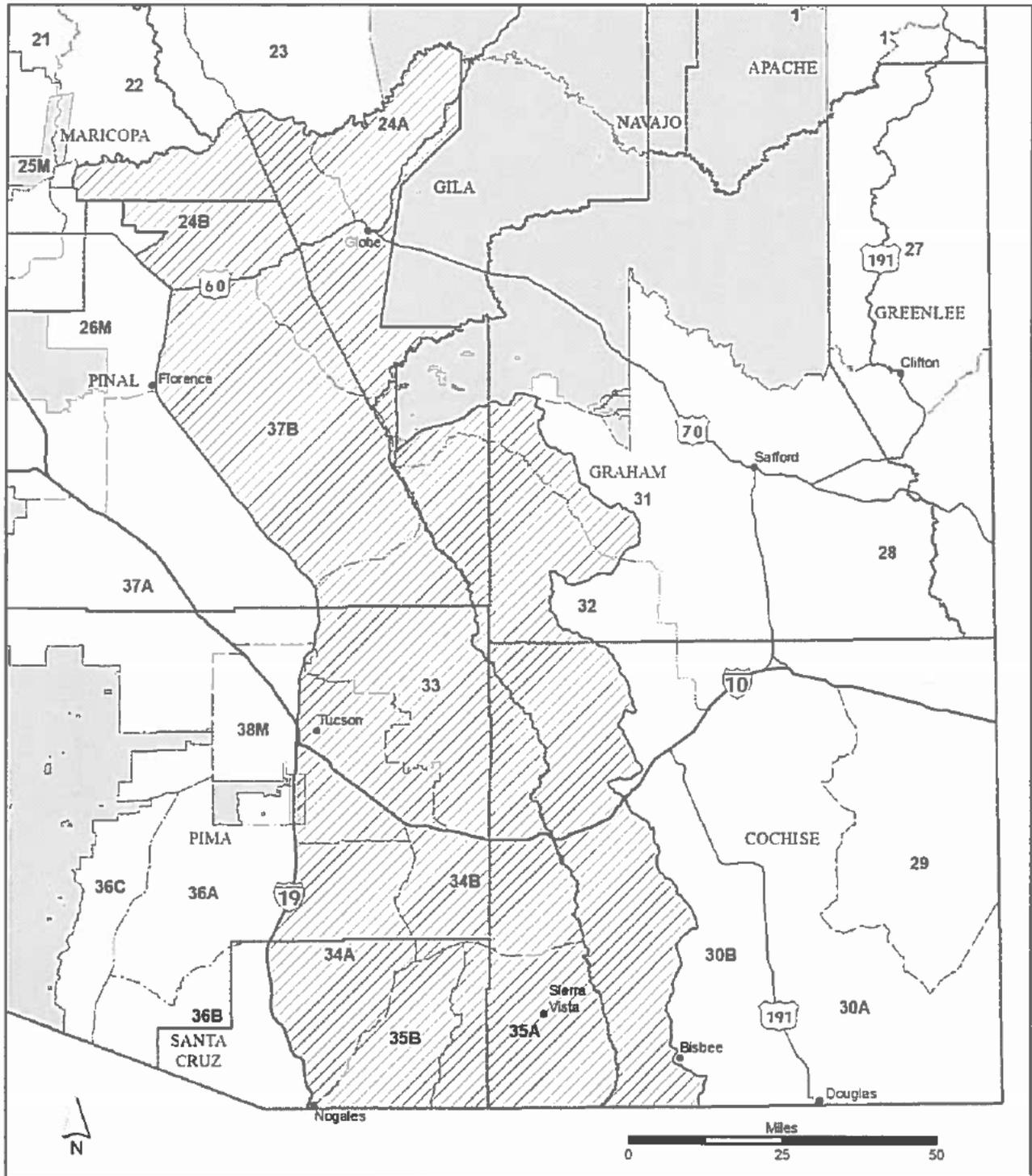
DEPARTMENT LICENSES, AUTHORIZATIONS, APPLICATIONS, SUPPORT AND ENVIRONMENTAL ASSESSMENTS		Process Owner
Action	Directive	
Wildlife Service Licenses (R12-4-421)	<p>The Department shall <u>NOT</u> authorize Wildlife Service Licensees to use the following methods of take within the AOCC or 10j, unless the Wildlife Service Licensee possesses a USFWS permit for incidental take of federally listed wildlife including jaguar, ocelot, and Mexican wolf through use of those techniques:</p> <ul style="list-style-type: none"> • Steel or off-set jaw foothold traps (e.g., only padded jaw traps are allowable). • Padded jaw foothold traps that are larger than 5 15/16". • Foothold snares of sufficient size to capture an animal larger than a coyote. • Neck snares of any type. • Contains a stipulation on the use of dogs within the AOCC that if a jaguar or ocelot is inadvertently chased and/or treed by dogs, the dogs must be immediately called off the trail upon realization that a non-target animal is being chased. 	Region V Field Supervisor Region VI Field Supervisor
Scientific Collecting Licenses (R12-4-418)	<p>Accompanying the Scientific Collecting License, the Department will stipulate that:</p> <ul style="list-style-type: none"> • 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. <p>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.</p>	Scientific Collecting License Administrator Terrestrial Wildlife Branch Chief Nongame Birds and Mammals Program Manager
APHIS Wildlife Services	<p>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.</p>	Terrestrial Wildlife Branch Chief
Grants/Projects Applications or Supported	<p>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.</p>	Funds/Planning Manager All Employees
Environmental Assessments	<p>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.</p> <p>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.</p>	Habitat Branch Chief Terrestrial Wildlife Branch Chief Nongame Birds and Mammals Program Manager

Jaguar Area of Capture Concern



LEGEND

- Jaguar Area of Capture Concern
- Road
- Town



Legend

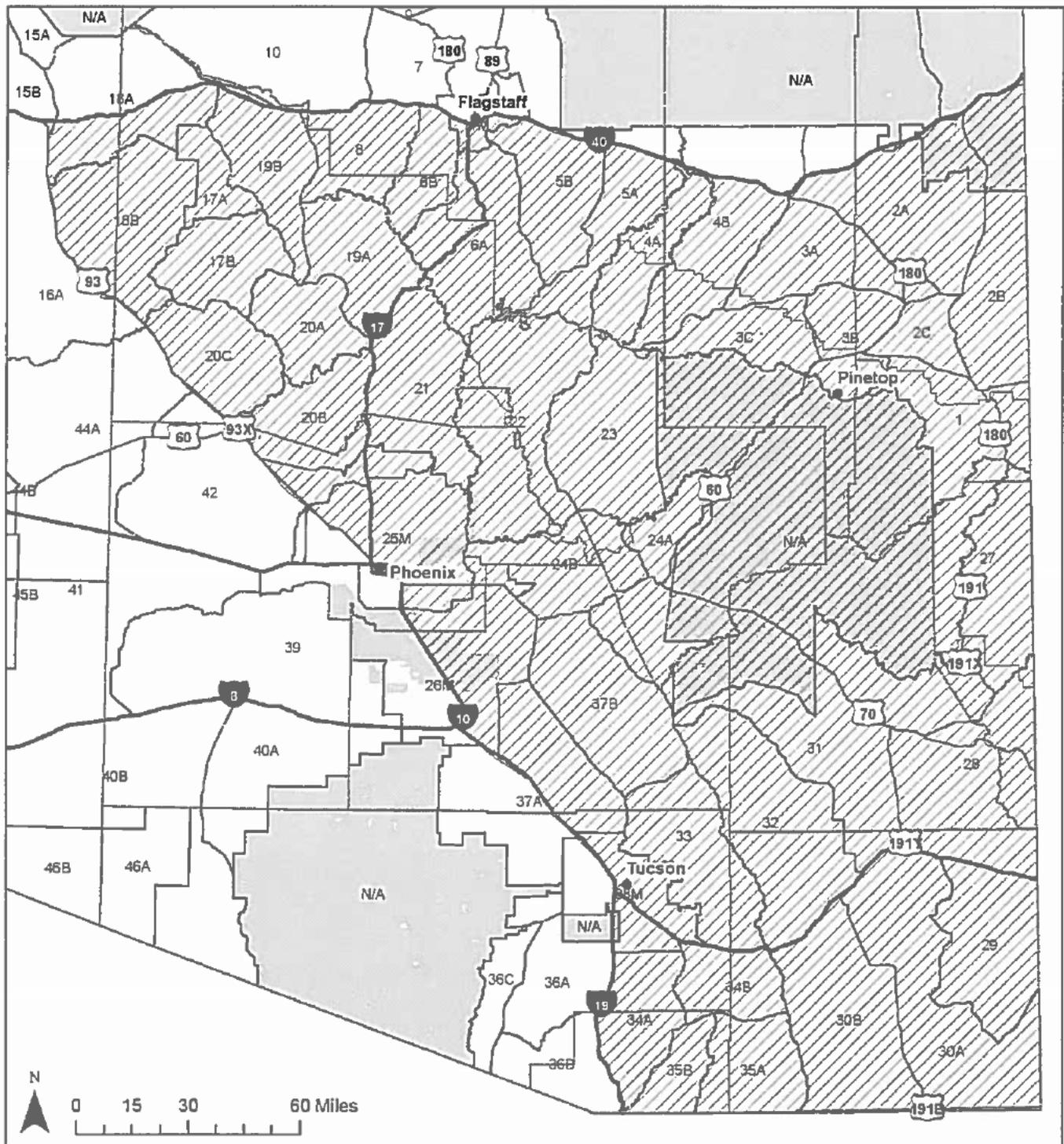
- San Pedro River
- ▨ Area of Capture Concern
- Game Management Units
- Tribal Lands
- Counties

Ocelot Area of Capture Concern



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Mexican Wolf 10J Area



Legend

- Counties
- Game Management Units
- Mexican Wolf 10J Area
- Tribal Lands



Heritage Fund
Lottery dollars at work
Heritage Data Management System, December 1, 2016

ARIZONA GAME AND FISH DEPARTMENT INTEROFFICE MEMO

TO: Department Employees
FROM: Larry D. Voyles, Director
SUBJECT: Directives Providing Guidance for Management Activities in the Jaguar and Ocelot Areas of Capture Concern
DATE: August 17, 2010

Directives and Guidance Being Replaced: On October 14, 2009, I issued a directive regarding temporary guidance for management activities in the Jaguar Conservation Emphasis Area. That guidance also reaffirmed previous guidance (February 19, April 1 and July 24, 2009) regarding: trapping; use of jaguar-derived scents; and other research and management activities in the Jaguar Conservation Emphasis Area. On May 5, 2010, I issued a similar directive regarding temporary guidance for management activities and ocelots, asking that the jaguar directive be applied for activities that could involve ocelot within the Ocelot Review Area. Those directives and the Jaguar Conservation Emphasis Area and Ocelot Review Area have now been superseded by this directive and the AOCCs therein, in accordance with the Department's recently-amended ESA Section 10(a)(1)(A) Research and Recovery Permit from USFWS.

New Directive and Guidance:

This directive replaces the earlier directives described above. It remains in effect unless formally revoked, superseded or extended as described in the tasks below. The areas of primary concern regarding this directive are identified on the attached maps of jaguar and ocelot Areas of Capture Concern (AOCC).

On June 14, 2010, the Department was issued an amended ESA Section 10(a)(1)(A) Research and Recovery Permit that authorizes some of the activities included in the directives mentioned above and identifies the two AOCCs. To ensure that our activities are congruent with our current federal Section 10 permit and our companion Section 6 work plan, I am issuing this directive concerning activities by any and all employees conducting or authorizing activities in the AOCCs.

I have summarized in the following table the actions of Department employees in the AOCCs, the directive to be followed, and the Department employee(s) entrusted to verify that the directives are being implemented correctly.

As with all directives, it is essential that staff recognize their individual and supervisory responsibilities to ensure the direction provided is thoroughly communicated, understood and implemented. Certain employees with programmatic links or area specific activities will be expected to verify that they have received these directives and have read and understood them.

Action: Actions by fixed wing or rotary aircraft		
Action	Directive	Process Owner
Aerial Take of Coyotes by APHIS Wildlife Services	Ensure that any future documents from the AGFD Director authorizing Wildlife Services aerial take of coyotes in the AOCCs include a statement affirming that authorization is contingent upon Wildlife Services having a permit from USFWS for incidental take of federally listed wildlife that could be affected during such activities, including jaguar, Mexican wolf and ocelot.	B. Wakeling, Game Branch
Aerial Survey and Aerial Support Operations by the Department	Amend aerial survey protocols such that, if a jaguar or ocelot is observed during an aerial wildlife survey conducted or authorized by the Department in the AOCCs, flight altitude shall immediately but safely be increased sufficiently to avoid disturbance of the jaguar or ocelot. The flight path and survey block shall then be abandoned or the grid shall be reinitiated at least ½ mile from the jaguar or ocelot detection point. For 48 hours following the sighting, survey flight paths shall not come within ½ mile of the detection point. Distribute to Wildlife Managers, Field Supervisors, Game Specialists, Pilots and Contract Pilots.	B. Wakeling, Game Branch
Water Catchment Monitoring Flights	Flights to monitor water catchments shall be treated in the same fashion as aerial wildlife surveys. Amend water catchment monitoring flight protocols for the AOCCs and distribute to Wildlife Managers, Field Supervisors, Game Specialists, Development Branch Chief, Pilots, and Contract Pilots.	R. Vega, Region V, R. Lucas, Region VI, and S. Adams, Field Operations Coordinator
Rotary Aircraft Water Hauling Flights	Flights to fly water into water catchments shall be treated in the same fashion as aerial wildlife surveys. Amend rotary aircraft water hauling flight protocols for the AOCCs and distribute to Wildlife Managers, Field Supervisors, Game Specialists, affected Development Branch employees, Pilots, and Contract Pilots.	M. Weise, Development Branch
Aerial Wildlife Capture Operations (except for Wolf – See Wolf related directives below)	Amend wildlife capture operation plans for the AOCCs such that, if a jaguar or ocelot is observed in the course of an aerial wildlife capture attempt, the capture attempt shall be abandoned immediately but safely <u>unless</u> the aircraft is pursuing an animal that is entangled in a capture net or currently under the effects of an administered tranquilizing or sedating drug. In these instances, care for the target animal is important and shall be dealt with in the most expedient fashion and then the area within ½ mile of the detection point shall be abandoned as quickly as possible for at least 48 hours following the sighting. Distribute to Wildlife Managers, Field Supervisors, Game	B. Wakeling, Game Branch

	Specialists, Research Branch Chief, Pilots and Contract Pilots.	
Support for Development Activities (may include transportation of personnel, equipment, materials, or sling load operations)	As a standard requirement for aerial support activities in the AOCCs, if a jaguar or ocelot is observed during a support flight, the flight path shall be adjusted as quickly as safely feasible to an altitude or flight path where there is no visible disturbance of the jaguar or ocelot, or the flight shall be abandoned as soon as safely feasible to do so. Flight adjustments to jaguar or ocelot detections that occur during a sling load operation shall first consider safety of pilot, passengers, and aircraft, but load deposition and flight alteration need to occur as quickly as possible thereafter. Personnel shall not be abandoned in an unsafe location, and aerial relocation of personnel may be necessary. If flight paths can be modified to avoid the detection point by at least ½ mile, activities may continue immediately. Subsequent flight paths over the point of detection shall be avoided for at least 48 hours. If unable to avoid the detection point spatially, a temporal avoidance of at least 1 hour may be used to minimize the likelihood of further disturbance, after which the fewest practical flights may be used to secure the site and remove personnel. Flight paths shall not be modified in a manner that would endanger the aircraft or passengers. Notice all FOD, FOAV, WMD and SSDV employees and Contract Pilots.	M. Weise, Development Branch
Action	Directive	Process Owner
Conducting Flights for Telemetry	Some animal tracking devices require use of aircraft to detect and obtain a precise fix of transmitter location. If a jaguar or ocelot is observed during an aerial telemetry flight that is being conducted or which is authorized by the Department, the pilot shall immediately but safely abandon attempts to obtain a fix on a radio collar if the aircraft is below 2500 feet above ground level and within ½ mile of the detection point. If data recovery can occur from 2500 feet above ground level or higher, or more than ½ mile away from the detection point, operations may resume immediately. Subsequent flight paths below 2500 feet above ground level shall not pass within ½ mile of the detection point for at least 48 hours. (1) This directive will be incorporated as a standard condition in any research study plan (or post-transplant or post-release monitoring plan or research plans) initiated by Research Branch that involves radio telemetry monitoring flights in the AOCCs,	(1)C. O'Brien, Research Branch

	<p>addressed in any E.A. Checklist for such a plan, and all Research Branch employees shall be notified of this requirement.</p> <p>(2) This directive will be incorporated as a condition in any management work plan (including post-transplant and post-release monitoring plans) initiated by Game Branch that involves radio telemetry monitoring flights in the AOCCs, addressed in any E.A. Checklist for such a plan, and all Game Branch employees shall be notified of this requirement.</p> <p>(3) This directive will be incorporated as a condition in any management work plan (or post transplant or post-release monitoring plan) initiated by Nongame Branch that involves radio telemetry monitoring flights in the AOCCs, addressed in any E.A. Checklist for such a plan, and all Nongame Branch employees shall be notified of this requirement.</p> <p>(4) This directive will be incorporated as a condition in any management work plan (or post-transplant or post-release monitoring plan or research study plans) initiated by FOD that involves radio telemetry monitoring flights in the AOCCs, addressed in any E.A. Checklist for such a plan, and all FOD employees shall be notified of this requirement.</p> <p>(5) All Habitat Branch employees will be notified that the above directives must be a condition in any management work plan (or post-transplant or post-release monitoring plan or research study plan) that involves radio telemetry monitoring flights in the AOCCs and that any E.A. Checklist or other NEPA/ESA-compliance document for such a plan must appropriately reflect consideration of that requirement. Habitat Program staff should ensure that the issue of jaguar or ocelot encounters is raised in scoping for NEPA compliance by other action entities.</p>	<p>(2)B. Wakeling, Game Branch</p> <p>(3)E. Gardner, Nongame Branch</p> <p>(4)S. Adams, Field Operations Coordinator; R. Vega, Region V and R. Lucas, Region VI</p> <p>(5)J. Avey, Habitat Branch</p>
Action: Issuance of Wildlife Service Licenses (pursuant to R12-4-421)		
Action	Directive	Process Owner
Issuing Wildlife Service Licenses	The Department shall <u>not</u> authorize Wildlife Service Licensees to use the following methods of take within the AOCCs: (a) steel or off-set jaw foothold traps (e.g., only padded jaw traps are allowable); (b) padded jaw foothold	R. Vega, Region V R. Lucas,

	traps that are larger than a #3N Victor; (c) foothold snares of sufficient size to capture an animal larger than a coyote; and (d) neck snares of any type, unless the Wildlife Service Licensee has its own federal permit providing take authorities for endangered species through use of those techniques. Regions V and VI will include the above restriction on methods take for Wildlife Service Licenses within the AOCC.	Region VI
Action: Issuance of Scientific Collecting Permits (pursuant to R12-4-418)		
Action	Directive	Process Owner
Issuing Scientific Collecting Permits	<p>(1). When authorizing any of the following methods of take within the AOCCs: (a) padded jaw foothold traps that are larger than a #3N Victor; (b) foothold snares of sufficient size to capture an animal larger than a coyote; (c) neck snares of any type; and (d) use of dogs, the Department shall require in writing on the License and in a cover letter accompanying the License that the Licensee is solely responsible for obtaining any concurrent federal authorization that is required under federal law for intentional or incidental take of federally regulated species, including jaguar or ocelot, before the state authorized methods of take can be used, and that the state permit is invalid without the necessary federal authorizations required by federal law regarding the take of any federally regulated wildlife. When issuing such a License, the Scientific Collecting Permits administrator shall send an informational copy of the License and cover letter to the USFWS permits administrator in Albuquerque, New Mexico.</p> <p>(2) All SCP applications requesting to work with or that could potentially result in the take of a jaguar, ocelot or wolf must be reviewed by the Nongame Branch Chief and the Jaguar and Mexican Wolf Coordinator.</p>	<p>(1) T. Jones, Scientific Collection Permit Administrator, Nongame Branch</p> <p>(2) T. Jones, Scientific Collection Permit Administrator, Nongame Branch, E. Gardner, Nongame Branch, T. Johnson, Jaguar and Mexican Wolf Coordinator</p>
Annual Letter Permit to APHIS Wildlife Services en Lieu of SCP	The annual letter permit to Wildlife Services shall be amended to state that Wildlife Services must comply with the stipulations found within any current 10(a)(1)(A) permit (Permit) held by the Department related to actions that could result in take of jaguar or ocelot. The letter shall state that any such take must be independently covered by Wildlife Service's own ESA authorization, and the State authority granted by the letter is only valid if Wildlife Services follows the stipulations in the Permit. When issuing such a letter permit, the Scientific Collecting Permits administrator shall send an	E. Gardner, Nongame Branch

	informational copy of the letter to the USFWS permits administrator in Albuquerque, New Mexico.	
Action: Mexican Wolf Interagency Field Team Activities.		
Action	Directive	Process Owner
USFWS Wolf Removal Orders	Actions taken pursuant to a Mexican Wolf Removal Order or Management Directive issued by USFWS must be covered by a USFWS issued permit or they will not be undertaken by Department personnel. All risk of take of a jaguar or ocelot during such activities is assumed by USFWS as the permitting agency.	C. Bagnoli AGFD Interagency Field Team Leader
Mexican Wolf Reintroduction SOP #10	<p>The Department shall adhere to the following stipulations in Mexican Wolf Reintroduction Project SOPs to ensure avoidance of the possibility of creating an imminent threat of harm or the reasonable certainty of take of a jaguar or ocelot:</p> <ol style="list-style-type: none"> (1) If an exposed livestock or native ungulate carcass occurs sufficiently close to an IFT wolf trap-set that it could be dragged by any scavenging animal to within 30 feet of the trap-set, before setting the trap(s) the IFT shall stake the carcass to prevent such movement. (2) IFT wolf trap-sets within 10 miles of a jaguar or ocelot occurrence that has been documented on non-tribal lands within the MWEPA (Mexican Wolf Experimental Population Area) within the previous six months shall be monitored at least every three hours (i.e. regardless of season, temperature, or weather conditions). (3) Jaguar or ocelot-derived attractants shall not be used in conjunction with IFT wolf trap-sets. (4) If jaguar or ocelot occurrence is documented within the MWEPA, the Department's jaguar conservation lead (a) shall immediately notify the Department's IFT Leader and the appropriate Regional Office(s) of the date and location of the occurrence, and (b) shall ensure that the Department's IFT Leader possesses and is familiar with any current jaguar handling protocols approved by the Department. (5) Before the IFT sets any wolf traps within 10 miles of a jaguar or ocelot occurrence that has been documented on non-tribal lands within the MWEPA within the previous six months, the Department's IFT Leader shall: 	<p>T. Johnson, Jaguar Conservation Lead, WMD</p> <p>J. Cooley, Region I</p> <p>C. Bagnoli, AGFD Interagency Field Team Leader (training of IFT members)</p>

	<p>(a) ensure that any IFT member who will be involved in setting or monitoring those traps has training certification in implementing any current Department-approved jaguar and ocelot handling protocols,</p> <p>(b) notify the appropriate Regional Supervisor and the Department's jaguar conservation lead of the intent to set such traps, and</p> <p>(c) confirm with the Department's jaguar conservation lead the dates and locations of the most recent jaguar or ocelot occurrence within the MWEPA.</p> <p>(6) Any IFT member who discovers a jaguar or ocelot in an IFT wolf trap shall immediately contact or at least attempt to contact the appropriate Regional Supervisor and the Department's jaguar conservation lead for direction regarding the actions to be taken. If contact with at least one of those individuals, or in their absence an appropriate surrogate, is not possible within one hour of discovering the jaguar or ocelot (e.g. because of lack of telecommunication capability or inability to reach an area in which telecommunication service is available), the IFT member shall anesthetize and release the animal in accordance with the protocol referenced in the current Department-Section 10(a)(1)(A) permit. The IFT member shall then close all wolf traps set in the capture area and travel to the nearest location at which they can contact the appropriate Regional Supervisor and the Department's jaguar conservation lead for direction regarding the next actions to take.</p>	
Action: Use of Traps to Capture Bears or Lions for Research		
Action	Directive	Process Owner
Use of Traps for Bear and Lion Research	All trapping for Department research projects in the AOCCs must adhere to the stipulations and obtain applicable USFWS approval of research objectives as set forth in the current Section 10(a)(1)(A) permit and must have completed the AGFD E.A. Checklist process pursuant to approval of the project. Ensure that all Department employees and contractors conducting or overseeing research activities are aware of, and follow this direction.	C. O'Brien, Research Branch

Action: Use of Culvert Traps to Capture Nuisance Bears or Lions (including animals of public safety concern)		
Action	Directive	Process Owner
Use of Culvert Traps for Nuisance Bears and Lions	Issue direction to FOD Program Managers and field personnel in Regions V and VI such that continued use of culvert traps to capture nuisance bears within the AOCCs is allowed, in accordance with a specific protocol that: (a) prohibits use of culvert traps to capture nuisance mountain lions; (b) requires monitoring culvert traps at least every 24 hours; and (c) prohibits baiting culvert traps with anything other than non-animal-derived materials that can reasonably be expected not to attract cats.	R. Vega, Region V R. Lucas, Region VI
Action: Notification of Department Personnel Regarding New Jaguar and Ocelot Occurrences		
Action	Directive	Process Owner
Handling Observations of a Jaguar or an Ocelot	Any Department employee who observes a jaguar or ocelot in the wild in Arizona or in New Mexico or in Mexico within 60 miles of the U.S.-Mexico International Border, or who receives such a report from someone who is not an AGFD employee, shall immediately report the observation to the Department's jaguar conservation lead and to the Nongame Specialist for the Region in which the observation occurred. The Department's jaguar conservation lead shall inform the Director; Executive Staff; all Regional Supervisors; the Development Branch Chief; the FOD and WMD Coordinators; all Branch Chiefs in WMD; and the Information Branch Chief of jaguar and ocelot observations made by AGFD employees or reported to AGFD employees.	T. Johnson, Jaguar Conservation Lead, WMD
Documenting, Communicating Observations of a Jaguar or an Ocelot	The Department's jaguar conservation lead shall be responsible for ensuring and documenting that, within 48 hours of receiving documentation of a new jaguar or ocelot occurrence in Arizona, he or she provides the specific location, date of occurrence, and any other information on that occurrence to the: Wildlife Management Division Coordinator; Nongame Branch Chief; Research Branch Chief; Habitat Branch Chief, Game Branch Chief; Information Branch Chief; Field Operations Division Coordinator; the Regional Supervisors, Wildlife Program Managers, and Nongame Specialists in Regions V and VI; and the Department's Mexican Wolf IFT Leader.	T. Johnson, Jaguar Conservation Lead, WMD
Action: External Grants/Projects Sought or Supported		
Action:	Directive	Process Owner
Grants/Projects Sought	Any grants, contracts or cooperative projects sought out by the Department shall be compliant with the above	R. Miller, Funds/Planning

	directives as long as these directives remain in force.	Manager
Action	Directive	Process Owner
Grants/Projects Supported	Employees offering letters of support for proposals of other workers external to the Department shall not support activities that are in conflict with the above directives.	All Employees
Action: Verification and Periodic Review		
Action	Directive	Process Owner
Verification and Review	<p>The following procedures shall be implemented to verify compliance with any of the above directives:</p> <p>(1) Within 60 days of the Director's approval, the Wildlife Management Division (WMD) Coordinator and Field Operations Division (FOD) Coordinator shall document for the WMD Assistant Director that the work unit leaders, regional program leads, and other employees referenced in the approved recommendations are familiar with and prepared to discharge their assigned responsibilities for the current Fiscal Year.</p> <p>(2) Between June 1 and June 30 of each subsequent calendar year, the WMD Coordinator and FOD Coordinator shall document for the WMD and FOD Assistant Directors that the work unit leaders, regional program leads, and other employees referenced in the approved recommendations are (a) familiar with and prepared to discharge their assigned responsibilities for the Fiscal Year beginning on July 1 of that year; and (b) have appropriately discharged their assigned responsibilities for the Fiscal Year ending on June 30. Upon review of the responses, they shall make a joint recommendation to the Director of proposed changes to the directive, including a specific recommendation as to whether the directive should remain in place as is, be amended, be revoked or be extended.</p> <p>(3) Within 30 days of restoration of the Department's ability to discuss jaguar conservation issues with USFWS, the WMD Assistant Director and appropriate staff shall initiate discussion with the USFWS Arizona Field Supervisor to determine the need for refinement or revision of any of the approved recommendations.</p>	<p>(1&2) L. Riley, Coordinator, WMD</p> <p>(1&2) S. Adams, Coordinator, FOD</p> <p>(3) M. Senn, Assistant Director, WMD</p>
Action: Development and Review of Environmental Assessment Checklists		
Action	Directive	Process Owner
Development of EACs	(1) All EACs shall determine if the project falls within either the jaguar or ocelot AOCC or within the wolf 10j	(1) J. Avey, Habitat Branch

	<p>area, and the EAC shall include sufficient language for any reviewer to understand the connection of the project to these areas. Such language shall include a reference to the most recent Directive providing guidance for management activities in the jaguar and ocelot Areas of Capture Concern.</p> <p>(2) Any EAC determined by the Nongame Branch Chief during his or her review to possibly involve take of a jaguar, ocelot or wolf shall be provided to the Jaguar and Mexican Wolf Coordinator for his or her review.</p>	<p>(2)E. Gardner, Nongame Branch</p>
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LDV:MS:eg

- cc: Bob Broscheid, Deputy Director
Gary R. Hovatter, Deputy Director
Jim Odenkirk, Assistant Attorney General
Linda Pollock, Assistant Attorney General
Richard Miller, Funds and Planning Manager
Mike Senn, Assistant Director, Wildlife Management Division
Eric Gardner, Chief, Nongame Branch
Brian Wakeling, Chief, Game Branch
Chantal O'Brien, Chief, Research Branch
Terry B. Johnson, Endangered Species Coordinator
Josh Avey, Chief, Habitat Branch
Leonard Ordway, Assistant Director, Field Operations Division
Jon Cooley, Regional Supervisor, Pinetop
Chris Bagnoli, Wolf IFT Lead, Pinetop
Raul Vega, Regional Supervisor, Tucson
Rod Lucas, Regional Supervisor, Mesa
Sharon Adams, Coordinator, Field Operations Division
John Bullington, Assistant Director, Special Services Division
Mark Weise, Chief, Development Branch
Ty Gray, Assistant Director, Information and Education Division
Bob Miles, Chief, Information Branch
Larry Riley, Coordinator, Wildlife Management Division

Mark A. Hart

From: Mark A. Hart
Sent: Monday, April 03, 2017 12:46 PM
To: Locana de Souza
Subject: FW: News Release: Jaguar photographed in southern Arizona's Cochise County

This is the news release, but it had to be corrected as the jaguar was the third photographed in SE AZ since November 2011. MH

From: AZGFD [mailto:e-news@azgfd.gov]
Sent: Thursday, March 02, 2017 9:55 AM
To: Mark A. Hart <MHart@azgfd.gov>
Subject: News Release: Jaguar photographed in southern Arizona's Cochise County

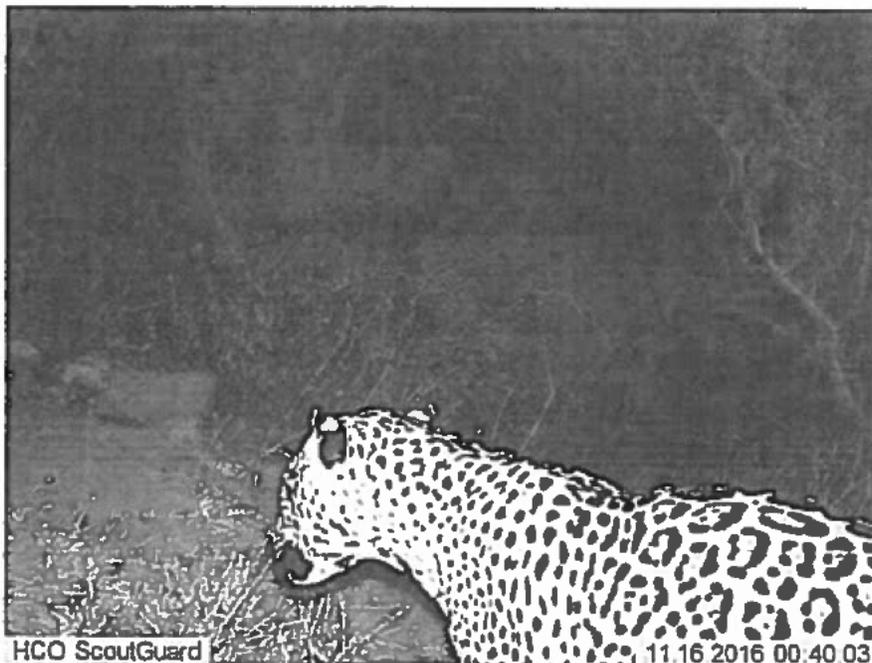


NEWS RELEASE

For immediate release, March 2, 2017
U.S. Fish and Wildlife Service
Arizona Game and Fish Department
Bureau of Land Management

Contacts:
Jeff Humphrey, USFWS, (602) 889-5946
Mark Hart, AZGFD, (520) 388-4445
June Lowery, BLM, (520) 258-7223

Jaguar photographed in southern Arizona's Cochise County



PHOENIX — The third jaguar documented in southern Arizona since September 2012 was photographed by a Bureau of Land Management trail camera in Cochise County. The image was taken on Nov. 16, 2016, in the Dos Cabezas Mountains 60 miles north of the U.S.-Mexico border; the camera data was only recently retrieved. This is the only jaguar photographed by this BLM-deployed camera since it was installed in August 2016. The camera remains on site.

Five Arizona Game and Fish Department scientists have independently completed an analysis of the photo, comparing the jaguar's spot patterns to other jaguars sighted previously in Arizona. They concluded that this animal has not been previously identified. The sex of the jaguar cannot be determined by the photo.

"Since 2012, an increase in trail camera monitoring of mountainous habitat in southern Arizona has provided increased documentation and a better understanding of jaguar presence and habitat preferences," said Steve Spangle, U.S. Fish and Wildlife Service's Arizona Field Supervisor. "This supports the phenomenon that jaguars seeking territories outside of competitive breeding areas in Mexico continue to occasion Arizona."

"This is a unique development. Jaguars are a historical component of Arizona's wildlife diversity," said Jim deVos, Assistant Director for Wildlife Management at the Arizona Game and Fish Department. "However, given the irregularity with

which jaguar presence in Arizona is documented, even with the expanded use of trail cameras, this sighting is not an indication that jaguars are establishing a population in Arizona."

"BLM managed public lands in the vicinity of the Dos Cabezas Mountains provide an important wildlife corridor and landscape linkage to the northern end of the Chiricahua Mountains," said BLM Safford Field Office Manager Scott Cooke. "We are excited that we were able to document the jaguar utilizing public land and are pleased to share that information with our partners at the Fish and Wildlife Service and Arizona Game and Fish Department."

A male jaguar was repeatedly documented in the Whetstone and Santa Rita Mountains 2011-2015. Another male has been twice photographed in the Huachuca Mountains in December 2016 and January 2017.

The jaguar has been protected in the U.S. as endangered under the Endangered Species Act since 1997.

Automated camera photos of jaguars and ocelots in southern Arizona (including the referenced BLM photo) are posted on the U.S. Fish and Wildlife Service Flickr page at <http://bit.ly/TapYhK>.

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(602) 942-3000 · www.azgfd.gov



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Arizona Game and Fish Department 5000 W. Carefree Highway Phoenix Arizona 85086

www.azgfd.gov



[Click here to view the online version](#)

Mark A. Hart

From: Mark A. Hart
Sent: Monday, April 03, 2017 5:42 PM
To: [REDACTED]
Subject: Re: Quick Q from SF Arizona and jaguars

As long as they can navigate the border, transient males will likely come up as they have been doing since the mid-1990s. Our awareness of their presence has been heightened by the growing popularity of trail camera technology.

Sent from my iPhone

On Apr 3, 2017, at 5:38 PM [REDACTED] wrote:

Hi Mark,
Me again. One quick Q:

With the recent spotting of the two new jaguars, do you think it's even remotely possible that more jaguars could materialize in Arizona, or elsewhere in the US, in coming years?

Thanks!

[REDACTED]

On Fri, Mar 10, 2017 at 2:19 PM, Mark A. Hart <MHart@azgfd.gov> wrote:

[REDACTED] The guidance for a jaguar encounter is the same as for a mountain lion: Stay standing, wave arms above head, yell, throw objects in hand, and maintain eye contact. Do not run; if attacked, fight back.

Mark A. Hart

Public Information Officer

Arizona Game and Fish Department

555 N. Greasewood Road

Tucson, AZ 85745

Office: [\(520\) 388-4445](tel:(520)388-4445)

Cell: [\(520\) 282-0978](tel:(520)282-0978)

<image001.jpg>

From [REDACTED]
Sent: Friday, March 10, 2017 1:23 PM
To: Mark A. Hart <MHart@azgfd.gov>
Subject: Quick Q from SF Arizona and jaguars

Hi,

I'm working on a book (due to come out Spring 2018) about humans and animals coexistence. I sent a few Qs to Dr Tuggle re javelinas and jaguars in general. And am waiting to hear back.

But in the meantime, I came across an article saying that it's believed "El Jefe" has actually recently returned to Mexico..... Hoping to confirm. True?

Have any other jaguars beside that one been spotted recently?

Do you expect him, or others, to come back?

Also: What is the proper human response in the very unlikely event we ever encounter a jaguar while hiking?

Is it similar to what we should do if we see a mountain lion? Any differences?

THANK YOU for help and prompt response!

Best,

[REDACTED]

--

Writer/Editor



--

Writer/Editor



Mark A. Hart

From: Mark A. Hart
Sent: Monday, April 03, 2017 6:53 PM
To: [REDACTED]
Subject: Re: Quick Q from SF Arizona and jaguars

Including "El Jefe," seven in AZ-NM since the mid-90s.

Sent from my iPhone

On Apr 3, 2017, at 5:50 PM, [REDACTED] wrote:

Thanks. So "El Jefe" was spotted in 2011. And there were sightings of others, on and off, since the 1990s?

On Mon, Apr 3, 2017 at 5:41 PM, Mark A. Hart <MHart@azgfd.gov> wrote:
As long as they can navigate the border, transient males will likely come up as they have been doing since the mid-1990s. Our awareness of their presence has been heightened by the growing popularity of trail camera technology.

Sent from my iPhone

On Apr 3, 2017, at 5:38 PM, [REDACTED]

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Rachel, the guidance for a jaguar encounter is the same as for a mountain lion: Stay standing, wave arms above head, yell, throw objects in hand, and maintain eye contact. Do not run; if attacked, fight back.

Mark A. Hart
Public Information Officer
Arizona Game and Fish Department
555 N. Greasewood Road
Tucson, AZ 85745
Office: (520) 388-4445<[tel:\(520\)388-4445](tel:(520)388-4445)>
Cell: (520) 282-0978<[tel:\(520\)282-0978](tel:(520)282-0978)>
<[image001.jpg](#)>

From [REDACTED]
Sent: Friday, March 10, 2017 1:23 PM
To: Mark A. Hart <MHart@azgfd.gov<mailto:MHart@azgfd.gov>>
Subject: Quick Q from SF Arizona and jaguars

Hi,

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Do you expect him, or others, to come back?

Also: What is the proper human response in the very unlikely event we ever encounter a jaguar while hiking?

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THANK YOU for help and prompt response!

Res,

--

Writer/Editor
[REDACTED]

--

Writer/Editor
[REDACTED]

--

Writer/Editor
[REDACTED]

Mark A. Hart

From: Mark A. Hart
Sent: Tuesday, April 11, 2017 6:53 AM
To: Vincent Pinto
Subject: Re: JAGUAR ARTICLE & PHOTOS - WE NEED YOUR HELP!

My apologies for not responding sooner. Recovering from surgery. Will send photos this morning.

Sent from my iPhone

On Apr 11, 2017, at 5:42 AM, Vincent Pinto <ravensnatureschool@gmail.com> wrote:

Good morning Mark!

Vincent and I hope that this message finds you well!

I am resending the message that I sent last week just in case you missed it. I know how busy you are!

Many thanks for your help! The editor/publisher is hoping to be able to include the photos before printing the paper.

Best wishes,

Claudia

----- Forwarded message -----

From: Vincent Pinto <ravensnatureschool@gmail.com>
Date: Mon, Apr 3, 2017 at 11:34 AM
Subject: JAGUAR ARTICLE & PHOTOS - WE NEED YOUR HELP!
To: "Mark A. Hart" <MHart@azgfd.gov>

Dear Mark,

Vincent wrote a Jaguar article for the Tubac Villager, where he has been contributing Sky Islands Nature, Biodiversity, and Conservation articles for many years.

The owner and editor of the newspaper, Joseph Birkett, would love to be able to publish some of the recent Jaguar photos along with the article. Do you have any photos that you can share with the paper? If so, please send them at your earliest convenience and please indicate exactly who he should credit - Game & Fish or you?

I look forward to hearing from you as he is looking to publish the April edition asap!

Many thanks for your help!

Claudia

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www.ravensnatureschool.org

VISIT OUR WEBSITE AND EXPLORE OUR SAFARI TENTED CAMP!

Mark A. Hart

From: Mark A. Hart
Sent: Tuesday, April 11, 2017 7:53 AM
To: Vincent Pinto
Subject: RE: JAGUAR ARTICLE & PHOTOS - WE NEED YOUR HELP!
Attachments: 2016 12 01 19 12 56.JPG; JaguarDosCabezasBLM111616.JPG

Claudia & Vince, please credit Ft. Huachuca with the 12/01/16 photo.

The second photo should include credit to the Bureau of Land Management.

If ever you can't reach me, call my cell at 520-282-0978. I always have that with me.

Want to come and see you when my foot heals.

Best regards, Mark

From: Vincent Pinto [ravensnatureschool@gmail.com]
Sent: Tuesday, April 11, 2017 5:43 AM
To: Mark A. Hart
Subject: Fwd: JAGUAR ARTICLE & PHOTOS - WE NEED YOUR HELP!

Good morning Mark!

Vincent and I hope that this message finds you well!

I am resending the message that I sent last week just in case you missed it. I know how busy you are!

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Claudia

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Date: Mon, Apr 3, 2017 at 11:34 AM
Subject: JAGUAR ARTICLE & PHOTOS - WE NEED YOUR HELP!
To: "Mark A. Hart" <MHart@azgfd.gov>

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Vincent wrote a Jaguar article for the Tubac Villager, where he has been contributing Sky Islands Nature, Biodiversity, and Conservation articles for many years.

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Tim Snow

From: Tim Snow
Sent: Wednesday, April 12, 2017 11:31 AM
To: James Driscoll
Subject: FW: HWI 17WI00976 OCELOT CAT4 ASSIGNED TO 583

Jamey – FYI. I’m classifying this one as a **Class III/II observation**. We have no way to substantiate it, and we have not received any additional calls from the area. There are a number of factors that make this an unsubstantiated/unlikely report: area or habitat does not appear to be likely for ocelot; the RP believed it was a jaguar and was not familiar with ocelot; the area is more likely for bobcat. However, the description of the long tail and stripes down the neck to the shoulders is something that most people do not add to their report; and, we did have a confirmed report (trail camera photo) from the Santa Ritas a few years ago.

Your call on moving up line. Give me a call 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: Brian Dietz
Sent: Tuesday, April 04, 2017 12:41 PM
To: HWI REG 5 SEC 8 <HWIREG5SEC8@azgfd.gov>
Subject: HWI 17WI00976 OCELOT CAT4 ASSIGNED TO 583

04/04/17
12:39

Arizona Game and Fish Department
CAD Master Call Table:

Page: 32

Call
Long-Term Call ID 17-C02047

Active Call	5	Nature	WI Ocelot	Type 1	Priority		
Address					City	AMA Amado	
Calls	Dupl	Names	w/Alrts	Wants	Prem		Adr
Zones	1? U34A	?	?	Determinant			Alarm
Directions							

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

Contact
 Contact [REDACTED] Telephone [REDACTED]
 Address [REDACTED]

Information
Info (See below)

License Plate		State			
How Received	T Telephone		Occurred between	11:27:40	04/04/17
Received By	Dietz B			and	11:27:40 04/04/17
Hold Until	: : / /		When Reported	12:18:36	04/04/17

=====

INVOLVEMENTS:

Type	Record #	Date	Description	Relationship
AC	17WI00976	04/03/17	Accident	WILDLIFE INTERACTI

Call Taker Comments:

RP INDICATES WITNESSING A CAT SPECIES OUTSIDE HIS BACKYARD AT [REDACTED] AT SUNSET ON 04032017 THAT HE BELIEVES TO BE A JAGUAR. RP DESCRIBED THE ANIMAL AS WEIGHING ABOUT 120 LBS (LARGER THAN HIS 90 LBS DOBERMANS) WITH SPOTS LIKE A LEOPARD, A LONG TAIL WITH 4-5 BLACK STRIPES AT THE TIP, HORIZONTAL STRIPES ON THE NECK RUNNING FROM THE HEAD TO THE SHOULDER, AND LEGS THAT WERE LIKE TREE TRUNKS, AND AN OVERALL BASE BODY COLOR CLOSER TO BROWN THAN YELLOW. RP INDICATES THERE ARE FOOTPRINTS IN THE AREA AND WAS REQUESTED BY RADIO ROOM TO PHOTOGRAPH THE PRINTS WITH SIZE EVIDENCE. RP INDICATES ANOTHER INDIVIDUAL SAW THE PRINTS AND SUGGESTED THEY WERE SMALL FOR A JAGUAR. RADIO ROOM SUGGESTS THE ANIMAL MAY HAVE BEEN AN OCELOT BASED ON DESCRIPTION; RP CALLS BACK AFTER LOOKING UP PHOTOGRAPHS ON LINE AND CONFIRMED THAT WAS WHAT HE SAW. RADIO ROOM AWAITING PHOTOS FROM RP.

Brian Dietz
Dispatch – FOLE
Employee Engagement Workgroup Representative - FOLE
Arizona Game and Fish Dept.
623-236-7201
5000 W. Carefree Highway
Phoenix, AZ 85086

Tim Snow

From: Tim Snow
Sent: Wednesday, April 12, 2017 1:17 PM
To: Scott Richardson; Sferra, Susan; Bergman, David L - APHIS
(David.L.Bergman@aphis.usda.gov); smalusa@email.arizona.edu
Cc: James Driscoll; 'Alanen, Marit'
Subject: Jaguar/Ocelot Updates for April 2017

All: Here is the April 2017 Update. Give me a call if you have any questions.

Confirmed Class I (w/ physical evidence or photograph):

Jaguar 1 (media called it el jefe) -- First observed in the Whetstone Mtns, Nov 2011 -- Last observation in the Santa Rita Mtns, Sept 2015

Jaguar 2 -- First observation in the Huachuca Mtns, Nov 2016 -- Last observation in the Huachuca Mtns, March 26, 2017

Jaguar 3 -- First observation in the Dos Cabezas Mtns, Nov 2016 (reported in Feb 2017) -- No additional observations

Ocelot #3 -- First observed in Huachuca Mtns, February 2011 -- Last observation in Huachuca Mtns, May 2013

Ocelot #4 -- First observed in Huachuca Mtns, May 2012 -- Last observation in Huachuca Mtns, March 2, 2017

Ocelot #5 -- First observed in Santa Rita Mtns, Dec 2013 -- Last observation in Santa Rita Mtns, May 2014

-- Tim

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



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Tim Snow

From: Tim Snow
Sent: Wednesday, April 12, 2017 1:20 PM
To: Raul Vega; Karen Klima
Subject: FW: Jaguar/Ocelot Updates for April 2017

FYI

From: Tim Snow
Sent: Wednesday, April 12, 2017 1:17 PM
To: Scott Richardson; Sferra, Susan; Bergman, David L - APHIS (David.L.Bergman@aphis.usda.gov); smalusa@email.arizona.edu
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-- Tim

Tim K. Snow
Region V Terrestrial Wildlife Specialist
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Karen Klima

From: Karen Klima
Sent: Wednesday, April 12, 2017 1:30 PM
To: Tim Snow
Subject: RE: Jaguar/Ocelot Updates for April 2017

Man, there are spotted cats everywhere!

Karen Klima
Terrestrial Wildlife Program Manager
Arizona Game and Fish Department
555 N. Greasewood Rd
Tucson, AZ 85745
520-388-4441

From: Tim Snow
Sent: Wednesday, April 12, 2017 1:20 PM
To: Raul Vega; Karen Klima
Subject: FW: Jaguar/Ocelot Updates for April 2017

FYI

From: Tim Snow
Sent: Wednesday, April 12, 2017 1:17 PM
To: Scott Richardson; Sferra, Susan; Bergman, David L - APHIS (David.L.Bergman@aphis.usda.gov); smalusa@email.arizona.edu
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-- Tim

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

Tim Snow

From: Tim Snow
Sent: Thursday, April 13, 2017 2:14 PM
To: Sferra, Susan; 'Alanen, Marit'
Subject: FW: jaguar detections

Importance: High

Do you have the 4 recent photos from the UA yet? If so, can you please send them 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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Tim Snow

From: Tim Snow
Sent: Wednesday, April 19, 2017 10:10 AM
To: James Driscoll; Sabra Tonn
Subject: RE: jaguar question

Not our map. None of ours depict areas all the way to the Rio Grande in New Mexico.

As for locations, I do not have exact locations, but I will call with the general coordinates.

-- 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, April 17, 2017 10:57 AM
To: Sabra Tonn; Tim Snow
Subject: RE: jaguar question

Never have seen that one before.

Thanks,

Jamey Driscoll
Nongame Birds and Mammals Program Manager

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

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

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

From: Sabra Tonn
Sent: Monday, April 17, 2017 10:55 AM
To: Tim Snow <TSnow@azgfd.gov>; James Driscoll <JDriscoll@azgfd.gov>

Subject: jaguar question
Importance: High

Tim and Jamey,

I am looking to see if either of you are familiar with a map for which we got an inquiry from the BBC. The email and link to the map are below – I don't recognize it as one from AGFD (they say the source is AGFD), but if you know if it was used in a recovery report or other way, please let me know so I can get the info to Jim deVos.

Also, I am still waiting for the location info for the Huachuca and Dos Cabeza sightings we can build them into the compliance tools.

Thanks,
Sabra

From: [REDACTED]
Sent: Tuesday, April 11, 2017 12:14 PM
To: InfoBranch <InfoBranch@azgfd.gov>
Subject: Question on jaguar range shapefiles - BBC News
Importance: High

Dear sir/madam,

I am a data journalist working for BBC News Online and I was looking for some shapefiles on the range of various species that cross the US-Mexico border. I was specifically looking for shapefiles for jaguar and ocelot ranges.

In my research I also came across this map (link below) with the Arizona Game and Fish Department as the source and I just wanted to ask where the shapefiles (or any other GIS format, eg. KML etc) for the jaguar ranges, or if you also have any other species, are available for download as I could not find them on your website.

<http://www.hcn.org/articles/week-in-review-march-3>

Let me know if you need any additional information.

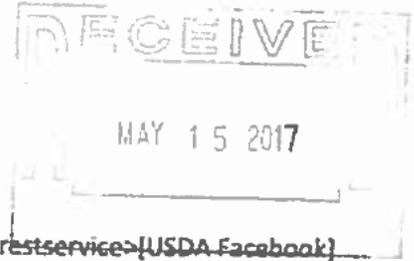
Kind regards,

[REDACTED]
Data Journalist
BBC News

Sabra Stonn

HDMS Program Supervisor
AGFD, WMHB
5000 W. Carefree Hwy
Phoenix, AZ 85086
623.236.7618
stonn@azgfd.gov

reubenlgay@fs.fed.us<mailto:reubenlgay@fs.fed.us>



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<https://www.facebook.com/pages/US-Forest-Service/1431984283714112>

Caring for the land and serving people

From: [Redacted]
Sent: Wednesday, April 19, 2017 10:11 AM
To: Gay, Reuben L -FS <reubenlgay@fs.fed.us>
Subject: wolf photo and possible jaguar track

Hi Reuben,

The wolf photo was taken 3/7/17 in our yard and my jaguar sighting was on 4/4 on our way out of the [Redacted] just off the road. There have been 3 other dark phase jaguar sightings on the same transect here in the [Redacted] going back as far as '05. Game and Fish and Sky Island Alliance were advised but unfortunately they need a photo or confirmed track/markings to confirm the sightings. Game and Fish crew actually responded to my husband's sighting a few yrs ago. That animal ran across the road in front of him and they respect his sighting since we're Sky Island trackers and know what we see! (That animal was seen running across our friends driveway in [Redacted] the next day). Same goes for my recent sighting - it wasn't a black lab! I know what I saw! Hopefully we can get some cameras up here. Let us know what you think, OK?
The wolf photo is pretty hard to see but he's running across our yard after dining on the Yates chickens! He left a lot of very dark scat, along with some feathers in one spot! We don't even have coyotes in here so it's a very unusual sighting. (We've been here for almost 18yrs!) Thanks, Marybeth

Sent from Mail<https://go.microsoft.com/fwlink/?LinkId=550986> for Windows 10

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1192 W. Saddle View Road
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www.fs.fed.us



Caring for the land and serving people

—Original Message—

From: Brad Fulk [mailto:BFulk@azgfd.gov]
Sent: Wednesday, April 26, 2017 9:03 AM
To: Gay, Reuben L -FS <reubenlgay@fs.fed.us>
Cc: Tim Snow <TSnow@azgfd.gov>; Raul Vega <RVega@azgfd.gov>
Subject: RE: wolf photo and possible jaguar track

Good Morning Ruben,

Thank you for the info and if this was the sighting from [REDACTED] yes. I was expecting a follow-up from her but never heard anything? Let me know if this was her report from a few weeks back. The pone photo is a coyote, and not sure on track but is not a Mt. Lion. Tim, please give us your evaluation.

Thank you,

Brad

From: Gay, Reuben L -FS [reubenlgay@fs.fed.us]
Sent: Wednesday, April 26, 2017 8:17 AM
To: Brad Fulk
Subject: FW: wolf photo and possible jaguar track

Good Morning Brad,

Have you heard anything about an alleged wolf and jaguar sighting in the [REDACTED]

[Forest Service Shield]

Reuben L. Gay
Wildlife Biologist

Forest Service
Coronado National Forest - Douglas Ranger District

p: 520-364-6816
c: 520-727-1164

Alleged Wolf & Jaguar Sightings



Gay, Reuben L -FS [reubengay@fs.fed.us]

Sent: Wednesday, April 26, 2017 12:45 PM

To: Brad Fulk

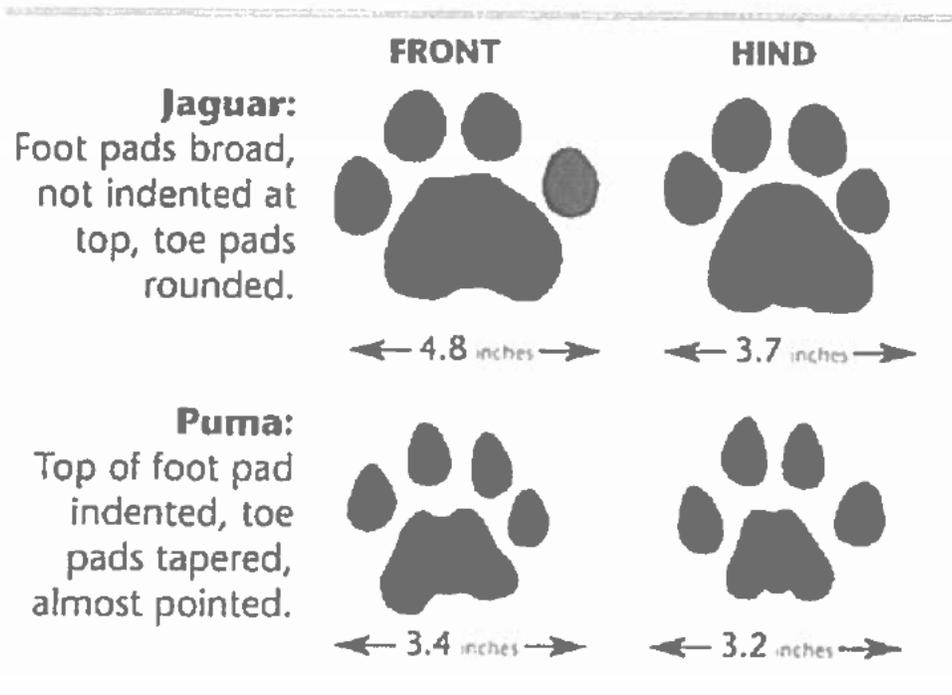
Cc: Tim Snow; Raul Vega; Ruppel, Douglas T -FS [druppel@fs.fed.us]

Attachments: 100_2577.jpg (1 MB) ; 100_2573.jpg (2 MB)

Greetings Brad,

Indeed, this was her report from a few weeks back. You are right, I believe that photo she took of the alleged wolf was just a coyote. The impression of the track or cast seems a little suspect due to the heel. The heel pad of jaguars is not perfectly round and the toe pads do not lined up correctly in the cast or impression of that track. However, there could have been errors in recreating the track along with the loose soil in the area making it difficult to get a good sketch. I currently have two cameras in the area. I probably won't check them until the end of June 2017. However, if I hear anything further about potential sightings in the area I will let you know.

Thanks you again for your help!



Reuben L. Gay
Wildlife Biologist
Forest Service
Coronado National Forest - Douglas Ranger District

p: 520-364-8816

c: 520-727-1164

reubengay@fs.fed.us



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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22



Tim Snow

From: Tim Snow
Sent: Wednesday, April 19, 2017 11:34 AM
To: Sabra Tonn
Subject: jag/ocelot info

Sabra – Use these tables to help with jag/ocelot location gathering.

JAGUAR

Date	Time	County	Mtn Range	Sex	Source	Occurrence
16-Nov-16	0:40	Cochise	Dos Cabezas	unknown	BLM	trail came
29-Nov-16	21:31 21:31 21:31	Cochise	Huachuca	male	CBP	trail came
1-Dec-16	4:41 4:53	Cochise	Huachuca	male	CBP	trail came
1-Dec-16	19:51	Cochise	Huachuca	male	Ft Huachuca	trail came
3-Jan-17		Cochise	Huachuca	male	UA	trail came
5-Jan-17	7:58	Cochise	Huachuca	male	CBP	trail came
15-Jan-17	16:32	Cochise	Huachuca	male	CBP	trail came
16-Jan-17		Cochise	Huachuca	male	UA	trail came
17-Jan-17	5:06	Cochise	Huachuca	male	CBP	trail came
13-Feb-17		Cochise	Huachuca	male	UA	trail came
20-Feb-17	6:07	Cochise	Huachuca	male	Ft Huachuca	trail came
14-Mar-17	19:47	Cochise	Huachuca	male	Ft Huachuca	trail came
26-Mar-17		Cochise	Huachuca	male	UA	trail came

OCELOT

Date	Time	Mtn Range	Sex	Occurrence
10-Oct-16	2237 2239	Huachuca Mtns	Male	Trail camera ph
28-Oct-16	22:50	Huachuca Mtns	Male	3 trail camera p all right side
30-Oct-16	6:49	Huachuca Mtns	Male	blurred trail car photo; left side
2-Mar-17	1:35 1:36	Huachuca Mtns	Male	2 photos; one r side, one left si

-- Tim

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



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Did you know? The Arizona Game & Fish Department receives **NO** Arizona general fund tax dollars? We hold the state's wildlife in trust for the public without a dime of Arizona's general fund tax dollars. www.azgfd.gov/inside_azgfd/funds.shtml

04/25/17
05:44

Arizona Game and Fish Department
CAD Master Call Table:

Page: 680
1

Call
Long-Term Call ID 17-C02495

Active Call	10	Nature	WI	Other	Type 1	Priority							
Address?	PEARLREE DR				City	COR CORNVILLE							
Calls	1	Dupl	0	Names	0	w/Alrts	0	Wants	0	Prez	0	Adr	0
S LOUISE LN & S GLORIA LN				Determinant		Alarm							
Zones	17	UGEA	?	?									
Directions													

Complainant
Number
Last
Address
City
Phone
Alert

Est	Mid	DOB	SSN	Adr
Race	Sex	Prev Calls	Wants	

Contact
Contact
Address

Telephone

Information
Info (See below)

License Plate	State	Occurred between	18:00:00	04/19/17
How Received	T Telephone	Received By	and	18:00:00 04/19/17
Hold Until	BAILEY P	When Reported	09:05:43	04/25/17

INVOLVEMENTS:

Type	Record #	Date	Description	Relationship
AC	17K101186	04/25/17	Accident	HUMAN WL INTERACTION

Call Taker Comments:

RP CONTACTED 3P TO REPORT THAT ON THE 15TH SHE HAD SEEN WHAT SHE BELIEVES TO BE A JAGUAR. RP DESCRIBED THE ANIMAL AS BEING BIGGER THAN A BOBCAT, BLACK IN COLOR, 3FT LONG AND TAIL WAS ABOUT 2FT LONG AND FLUFFY. THE ANIMAL WAS OBSERVED WALKING ALONG THE BIRN THEN IT WENT UP, OVER THE BIRN AND DISAPPEARED.

RP'S FRIEND ALSO SAW A DEAD ONE ON HER WAY HOME THE SAME DAY. IT WAS LAYING ON THE SIDE OF ROAD ON CORNVILLE RD & 117.

James Driscoll

From: James Driscoll
Sent: Tuesday, April 25, 2017 2:49 PM
To: Steve Spangle
Cc: Josh Avey
Subject: AGFD Directives for Wildlife Management Activities in the Jaguar and Ocelot Areas of Possible Occurrence and within the Mexican Wolf 10 (j) Population Boundary
Attachments: Jaguar Ocelot and Mexican Wolf Management Directive 2017320.docx

Steve,

Attached is a draft version of the AGFD Directives for Wildlife Management Activities in the Jaguar and Ocelot Areas of Possible Occurrence and within the Mexican Wolf 10 (j) Population Boundary for your review.

Larry has asked that we examine/revise the established protocols due to the recent occurrences of new jaguars in the southeast. We will be updating three protocols in total (which includes a combination of three old Jaguar Conservation Team protocols). These are:

1. Revised Directives for Wildlife Management Activities in the Jaguar and Ocelot Areas of Possible Occurrence and within the Mexican Wolf 10 (j) Population Boundary (attached).
2. Jaguar and Ocelot Reporting Protocol (Included in the attachment).
3. Jaguar and Ocelot Capture, Handling, and Immobilization Protocol (combines the Jaguar Capture Guidelines, Jaguar Handling Protocol, and the Jaguar Ocelot Veterinary Support).

The Jaguar and Ocelot Capture, Handling, and Immobilization Protocol is still being drafted and will be sent to you as soon as it is ready for 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 for Wildlife Management Activities in the Jaguar and Ocelot Areas of Possible Occurrence and within the Mexican Wolf 10 (j) Population Boundary.

DATE: May 31, 2017

As of the date of this memo, I am issuing the following revised Directives for Wildlife Management Activities in the Jaguar and Ocelot Areas of Possible Occurrence and within the Mexican Wolf 10 (j) Population Boundary (hereafter APO and 10(j) boundary) 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 wildlife management activities and actions to be taken by employees within the APO and 10 (j) boundary 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 of the following:

- Research Study Plan
- Predation Management 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's Jaguar and Ocelot Reporting Protocol.

LDV:jd

AIRCRAFT OPERATIONS		Process Owner
Action	Directive	
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 I Supervisor Region V Supervisor Region VI Supervisor Field Operations Division Coordinator
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.	Research Branch Chief Terrestrial Wildlife Branch Chief Field Operations Division Coordinator Region I Supervisor Region V Supervisor Region VI Supervisor
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. <u>UNLESS</u> : the target 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 I Supervisor Region V Supervisor Region VI 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

CAPTURE OF BEARS OR MOUNTAIN LIONS FOR RESEARCH AND EMERGENCY NUISANCE WILDLIFE		
Action	Directive	Process Owner
Research	<p>Department research projects to capture bears, coyotes, bobcats, or mountain lions in the APO and 10 (j) boundary must obtain a USFWS permit for incidental take jaguar, ocelot, and Mexican wolf.</p> <p>The Department's Category I Response Team will adhere to the following while trapping in the APO:</p> <ul style="list-style-type: none"> • The Category I Response Team will be trained on the approved Jaguar and Ocelot Capture, Handling, and Immobilization Protocol. • The Category I Response 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. • To capture nuisance bears. <ul style="list-style-type: none"> ○ Culvert traps and foothold snares may be used. <ul style="list-style-type: none"> ▪ Culvert traps must be monitored at a minimum of every 24 hours. ▪ Foothold snares must be monitored at a minimum of every six hours. ○ Baits must be non-animal-derived materials that can reasonably be expected not to attract large cats. ○ No jaguar or ocelot-derived attractants will be used. • To capture nuisance mountain lions. <ul style="list-style-type: none"> ○ Hunting or hunting with dogs may be used. <ul style="list-style-type: none"> ▪ If a jaguar or ocelot is inadvertently chased and/or treed by dogs, the dogs must be immediately called off the trail upon realization that a non-target animal is being chased. ○ Foothold snares may be used only if a jaguar or ocelot has not been documented within 25 miles of the trapping location within the previous six months. <ul style="list-style-type: none"> ▪ Foothold snares must be monitored at a minimum of every six hours. ▪ No jaguar or ocelot-derived attractants will be used. 	Research Branch Chief
Emergency Nuisance Wildlife	<p>The Category I Response Team will immediately release any jaguar or ocelots captured, following the Jaguar and Ocelot Capture, Handling, and Immobilization Protocol, and close all remaining snares and traps within 10 miles of the location. The Category I Response Team Leader 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.</p>	Terrestrial Wildlife Branch Chief Region I Supervisor Region V Supervisor Region VI Supervisor

MEXICAN WOLF INTERAGENCY FIELD TEAM ACTIVITIES.		
Action	Directive	Process Owner
Removal Orders	<p>Risk of take of a jaguar or ocelot for actions taken pursuant to a USFWS authorized Mexican Wolf Removal Order or Management Directive is assumed by USFWS.</p> <p>The Department's Interagency Field Team will adhere to the following while trapping in the APO:</p> <ul style="list-style-type: none"> • The Department's Interagency Field Team will be trained on the approved Jaguar and Ocelot Capture, Handling, and Immobilization Protocol. • 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. • Foothold snares and leg-hold traps may be used. <ul style="list-style-type: none"> ○ Foothold snares and leg-hold traps within 25 miles of a jaguar or ocelot occurrence within the previous six months shall be monitored at least every three hours. ○ Any baits will be staked 30 feet from the traps to prevent being dragged by a scavenging animal. ○ No jaguar or ocelot-derived attractants will be used. 	Region 1 Supervisor Interagency Field Team Leader
Trapping/Captures	<p>The Interagency Field Team will immediately release any jaguar or ocelots captured, following the Jaguar and Ocelot Capture, Handling, and Immobilization Protocol, and close all remaining traps within 10 miles of the location. The Interagency Field Team Leader 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.</p>	Region 1 Supervisor Interagency Field Team Leader

DEPARTMENT LICENSES, AUTHORIZATIONS, APPLICATIONS, SUPPORT AND ENVIRONMENTAL ASSESSMENTS	
Action	Directive
Wildlife Service Licenses (R12-4-421)	<p>The Department shall NOT authorize Wildlife Service Licensees to use the following methods of take within the APO or 10 (j) boundary, UNLESS the Wildlife Service Licensee possesses a USFWS permit for incidental take of federally listed wildlife including jaguar, ocelot, and Mexican wolf through use of those techniques:</p> <ul style="list-style-type: none"> • Steel or off-set jaw foothold traps (e.g., only padded jaw traps are allowable). • Padded jaw foothold traps that are larger than 5 15/16". • Foothold snares of sufficient size to capture an animal larger than a coyote. • Neck snares of any type. • Contains a stipulation on the use of dogs within the APO that if a jaguar or ocelot is inadvertently chased and/or treed by dogs, the dogs must be immediately called off the trail upon realization that a non-target animal is being chased.
Scientific Collecting Licenses (R12-4-418)	<p>Accompanying the Scientific Collecting License, the Department will stipulate that:</p> <ul style="list-style-type: none"> • 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. <p>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.</p>
APHIS Wildlife Services	<p>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.</p>
Grants/Projects Applications or Supported	<p>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 APO or 10 (j) boundary.</p>
Environmental Assessments	<p>All project leads shall determine if any component of a project falls within the APO or 10 (j). The project leads will include the relevant Directive pertaining to the project within the Environmental Assessment.</p> <p>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.</p>
	Process Owner

Region I Supervisor
 Region II Supervisor
 Region III Supervisor
 Region V Supervisor
 Region VI Supervisor

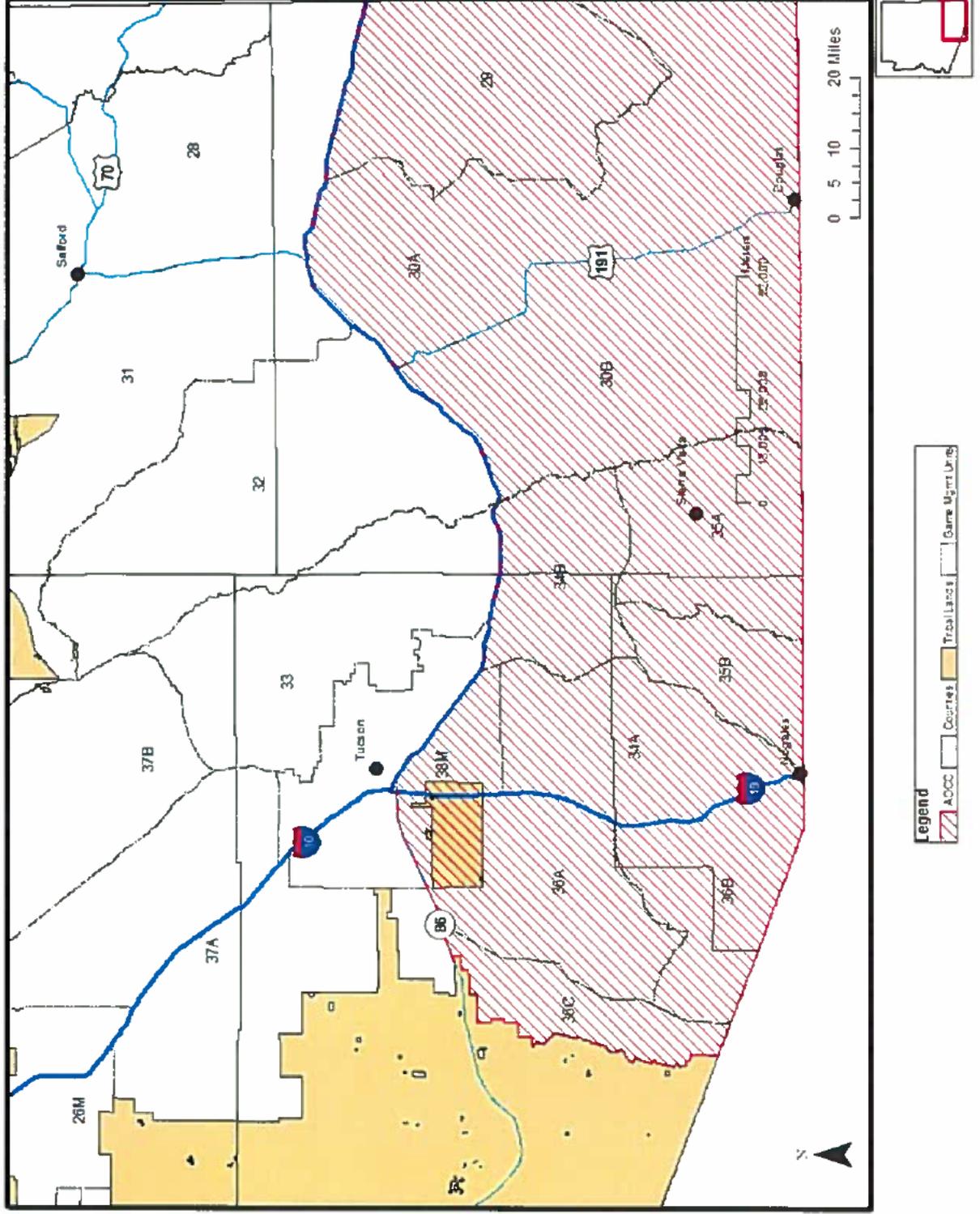
Scientific Collecting License Administrator
 Terrestrial Wildlife Branch Chief
 Nongame Birds and Mammals Program Manager

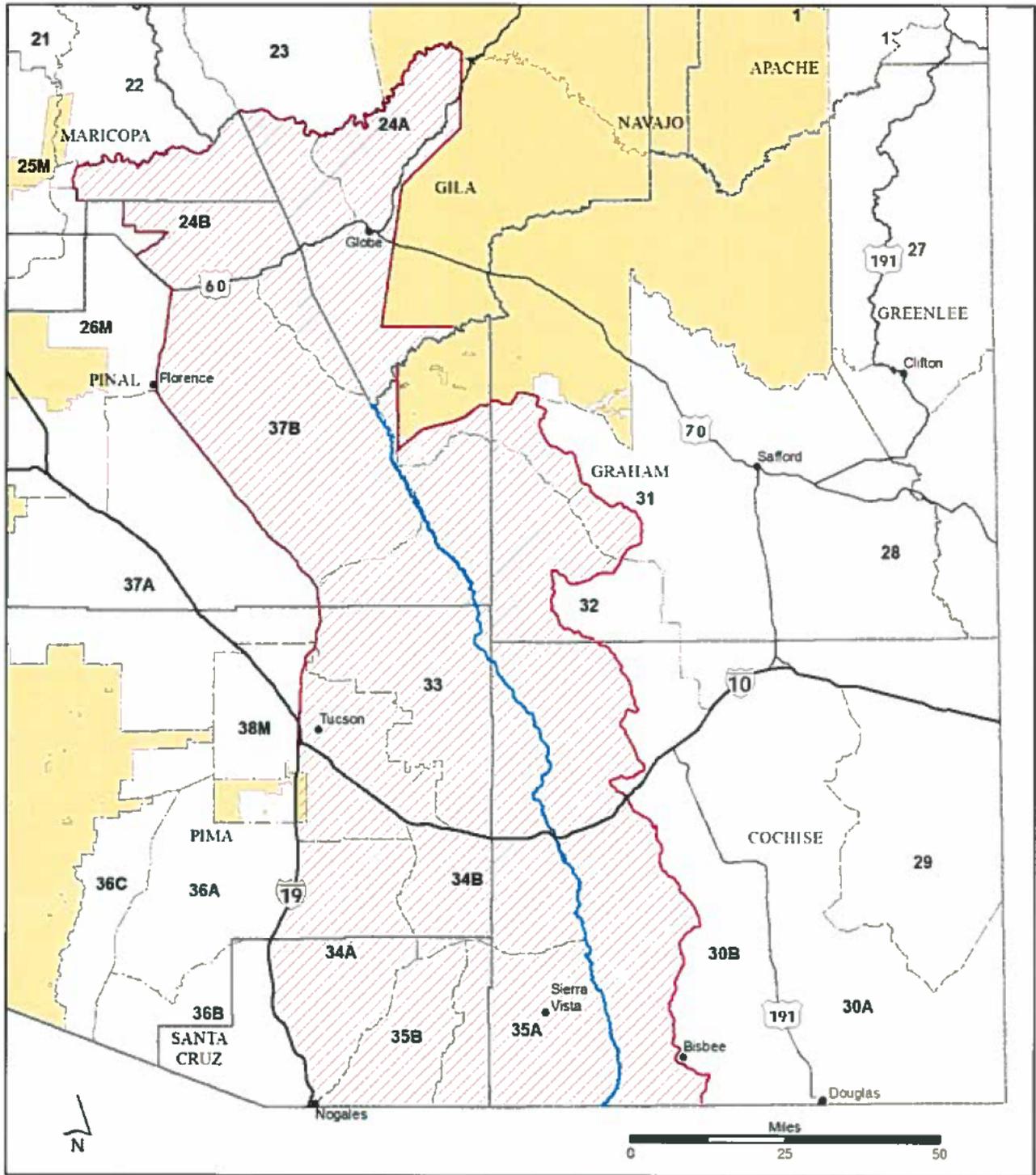
Terrestrial Wildlife Branch Chief

Funds/Planning Manager
 All Employees

Habitat Branch Chief
 Terrestrial Wildlife Branch Chief
 Nongame Birds and Mammals Program Manager

Jaguar Area of Capture Concern





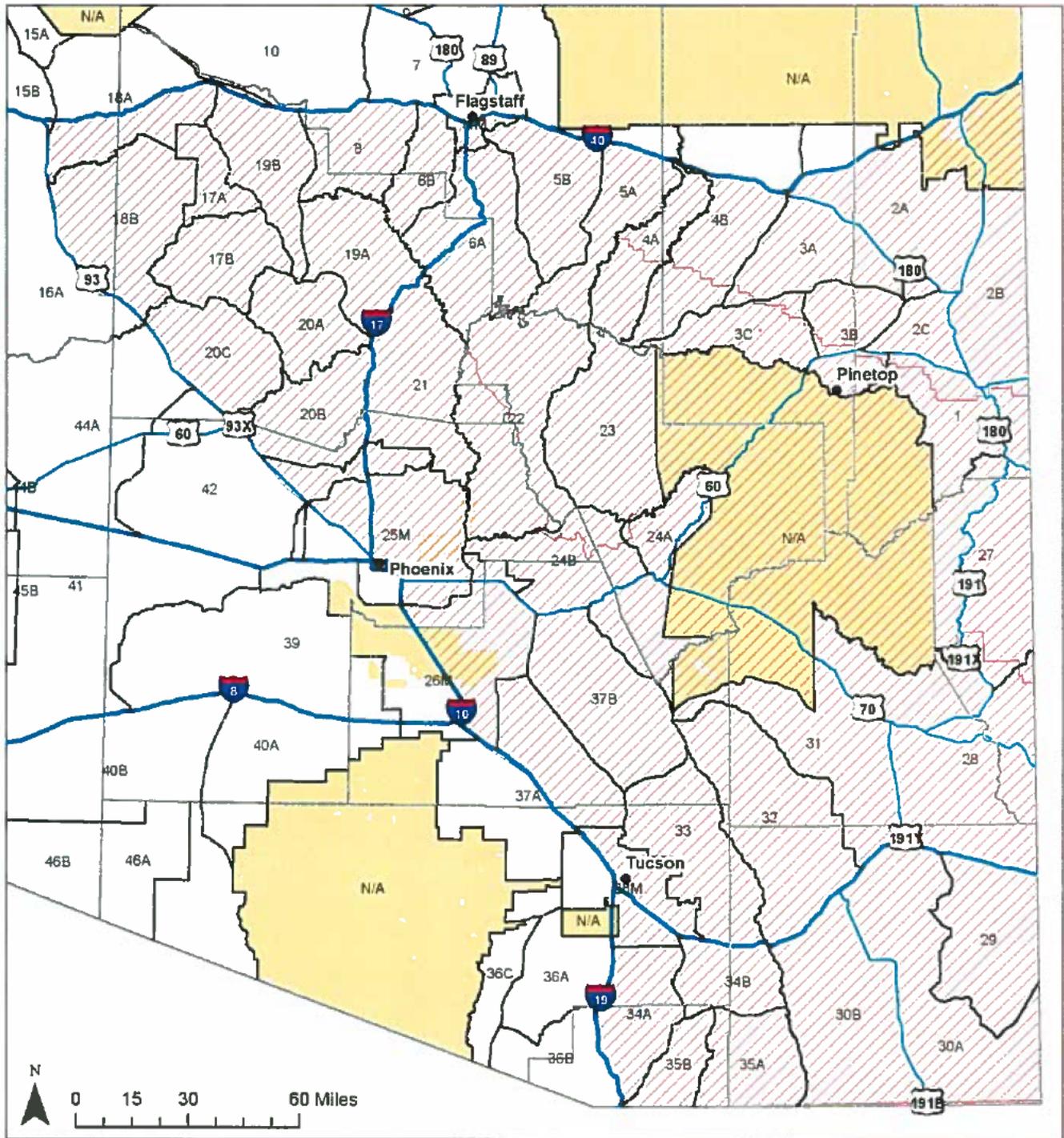
Legend

-  San Pedro River
-  Area of Capture Concern
-  Game Management Units
-  Tribal Lands
-  Counties

Ocelot Area of Capture Concern



Mexican Wolf 10J Area

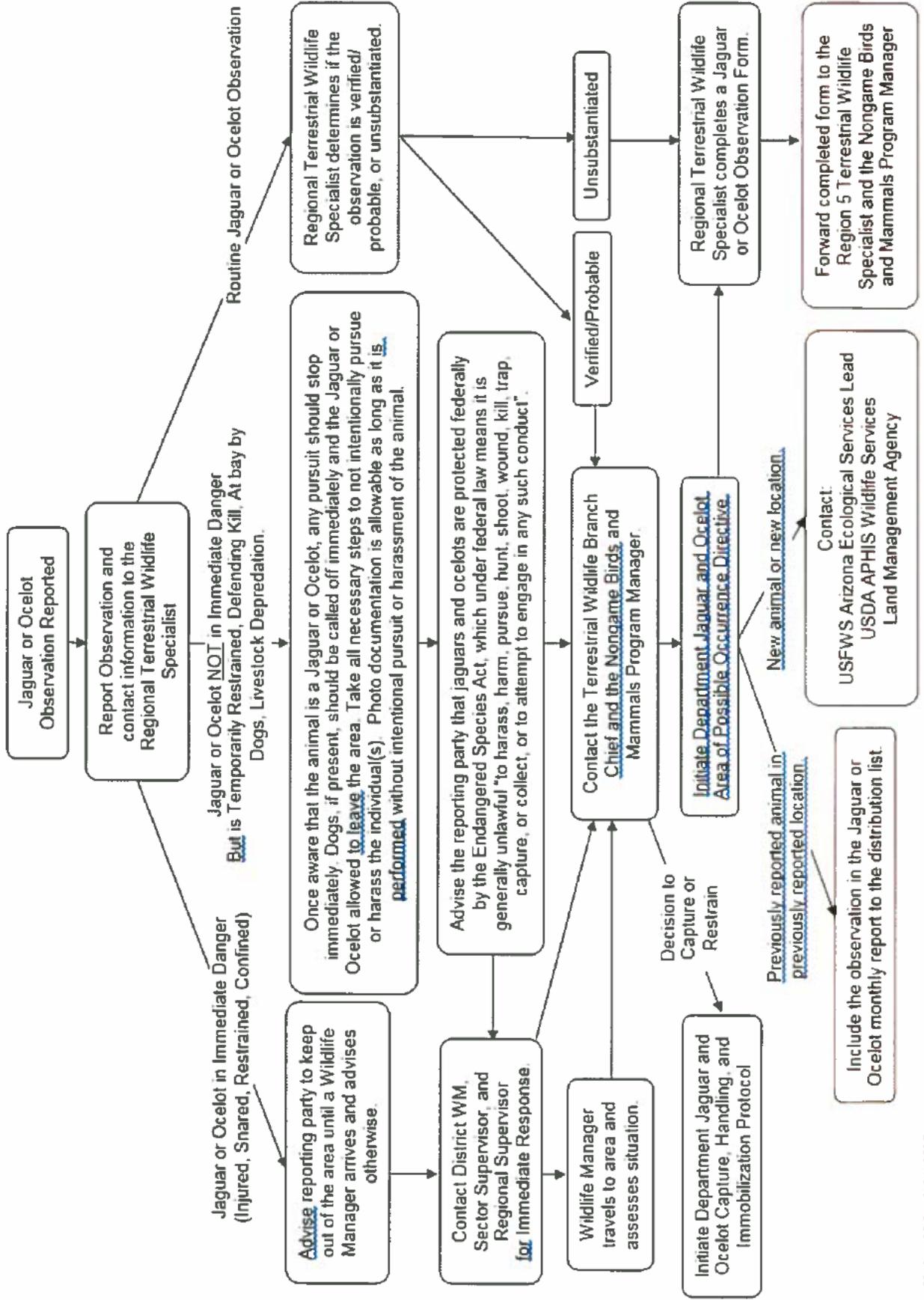


Legend

- Counties
- Game Management Units
- Mexican Wolf 10J Area
- Tribal Lands

Heritage Fund
Lottery dollars at work
Heritage Data Management System, December 1, 2016

PROTOCOL FOR JAGUAR AND OCELOT REPORTING



CONTACTS:

Arizona Game and Fish Department

- Josh Avey, Terrestrial Wildlife Branch Chief – Office: 623-236-7385 Cell: 480-450-9949 javey@azgfd.gov.
- James Driscoll, Nongame Birds and Mammals Program Manager – Office: 623-236-7581 Cell: 602-541-8812 jdriscoll@azgfd.gov.
- Tim Snow, Region 5 Terrestrial Wildlife Specialist – Office: 520-388-4449 Cell: 520-991-4450 tsnow@azgfd.gov.
- Vacant, Region 6 Terrestrial Wildlife Specialist – Office:

U.S. Fish and Wildlife Service

- Steve Spangle, AESO Phoenix – Office: 602-242-0210 Cell: 602-885-0755 Steve.Spangle@fws.gov.
- Marii Alanen (Jaguar) AESO Tucson – Office: 520-670-6150 x234 Marii.Alanen@fws.gov.
- Erin Fernandez (Ocelot) AESO Tucson – Office: 520-670-6150 x238 erin_fernandez@fws.gov.
- Patricia Zenone, New Mexico – Office: 505-761-4718 patricia_zenone@fws.gov.

U.S. Department of Agriculture APHIS-Wildlife Services

- David Bergman, Phoenix – Office: 602-870-2081 Cell: 602-758-7803 David.L.Bergman@aphis.usda.gov.

New Mexico Department of Game and Fish

- James Stuart, Santa Fe – Office: 505-476-8107 james.stuart@state.nm.us.

Border Patrol Liaison

Department of Homeland Security

James Driscoll

From: James Driscoll
Sent: Tuesday, April 25, 2017 2:59 PM
To: Elmore Storbeck
Cc: Josh Avey
Subject: Radio Room SOPs - Jaguar and Ocelot
Attachments: Radio Room - Jaguar SOP.doc; Radio Room - Ocelot SOP.doc

Moe,

Due to the recent jaguar sightings in southeastern Arizona, the Director asked me to revise all the old protocols related to a jaguar occurrence. I worked with you in the past to established the first version of these in 2013. These new protocols should replace those old ones.

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

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ARIZONA GAME AND FISH DEPARTMENT

Communications Center

Standard Operational Procedures

TITLE: Jaguar Procedures
AUTHOR: Tim Snow
DATE: April 2017

Type: Mammal

Diet: Carnivore

Size: 5 to 8 feet from nose to tip of tail

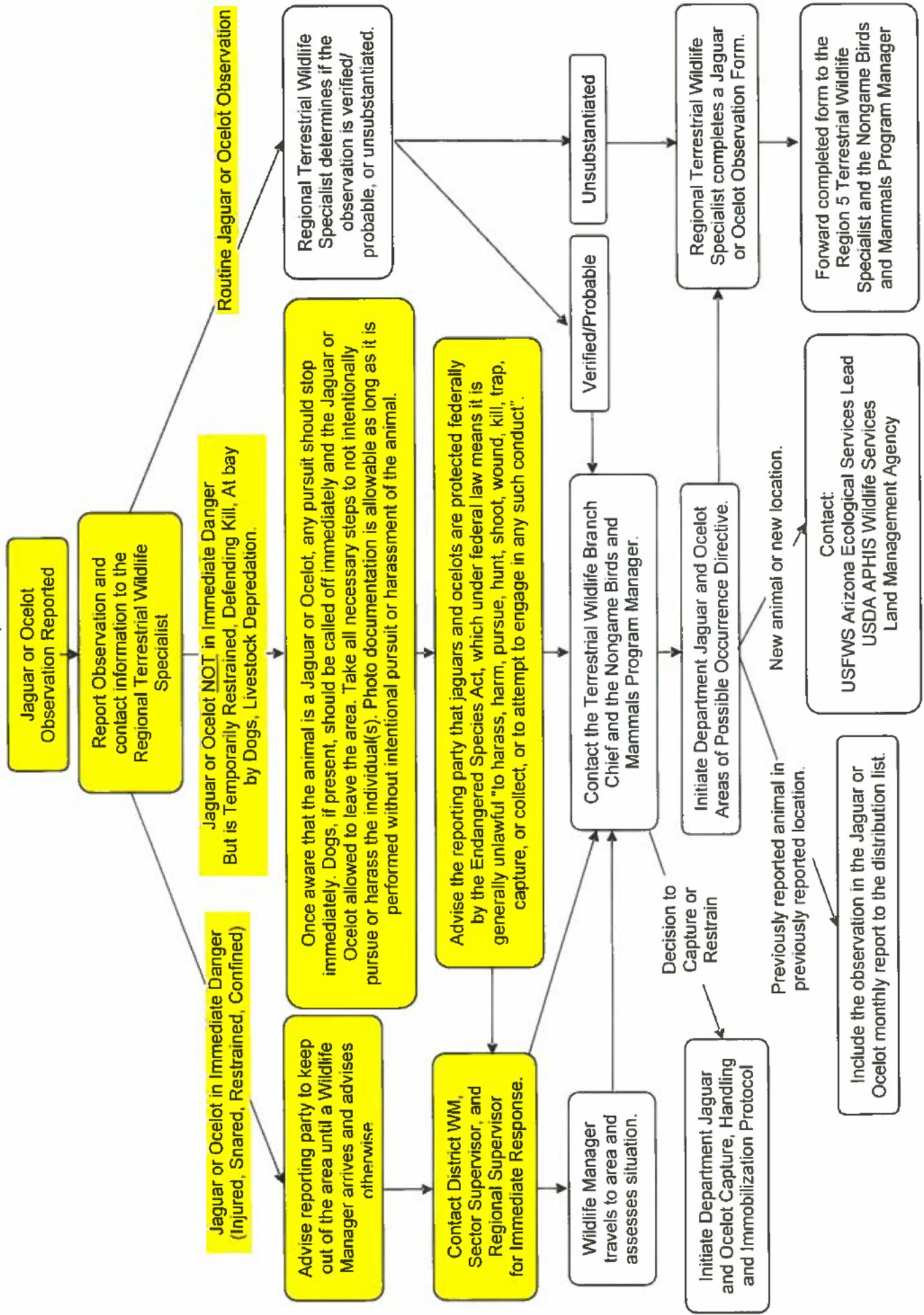
Weight: 100 to 250 lbs; males typically 10-25% larger than females

Description: relatively robust head, compact but muscular body, short limbs, and tail, and powerfully-built chest and forelimbs. Overall coat is typically pale yellow, tan, or reddish yellow above, and whitish on the throat, belly, insides of limbs, and underside of tail, with distinctive dark spots, which have small dots or irregular shapes within rosette markings.

Protection status: ESA Endangered; CITES Appendix I.



PROTOCOL FOR JAGUAR AND OCELOT REPORTING (YELLOW HIGHLIGHT FOR RADIO ROOM PERSONNEL)



CONTACTS:

Arizona Game and Fish Department

- Josh Avey, Terrestrial Wildlife Branch Chief – Office: 623-236-7385 Cell: 480-450-9949 javey@azgfd.gov.
- James Driscoll, Nongame Birds and Mammals Program Manager – Office: 623-236-7581 Cell: 602-541-8812 jdriscoll@azgfd.gov.
- Tim Snow, Region 5 Terrestrial Wildlife Specialist – Office: 520-388-4449 Cell: 520-991-4450 tsnow@azgfd.gov.
- Vacant, Region 6 Terrestrial Wildlife Specialist – Office:



ARIZONA GAME AND FISH DEPARTMENT

Communications Center

Standard Operational Procedures

TITLE: Ocelot Procedures
AUTHOR: Tim Snow
DATE: April 2017

OCELOT

Type: Mammal
Diet: Carnivore
Size: 35 to 50 inches
Weight: 24 to 35 lbs
Description: Long tail (12-16 in), round ears, distinct black & orange rosettes
Overall appearance: Housecat-like appearance
Protection Status: ESA Threatened

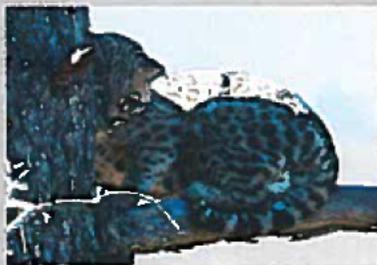
BOBCAT

Type: Mammal
Diet: Carnivore
Size: 26 to 45 inches
Weight: 15 to 35 lbs
Description: short "bobbed" tail (4-7 in), tufted ears, subtle (faded) black & orange rosettes
Overall appearance: Lynx-like, stocky appearance
Protection Status: Commission Order 13 & 23

SERVAL

Type: Mammal
Diet: Carnivore
Size: 23 to 36 inches
Weight: 15 to 40 lbs
Description: relatively short tail (7-15 in), oval and closely set ears, distinct spots absent rosettes
Overall appearance: Cheetah-like, long-legged appearance
Protection Status: Restricted Live Wildlife

OCELOT



BOBCAT



SERVAL



PROTOCOL FOR JAGUAR AND OCELOT REPORTING (YELLOW HIGHLIGHT FOR RADIO ROOM PERSONNEL)

