

APPENDIX 21. CONSERVATION MEASURES FOR LISTED SPECIES

Appendix 21a. Idaho Springsnail (*Pyrgulopsis idahoensis*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
<p>Special Status Animal and Plant Management Note: Common to All Programs</p>	<p>The conservation measures contained throughout this table implement important elements included in the Recovery Plan for the Snake River snails. The conservation measures reflect BLM’s commitment to support species recovery and meet ESA objectives.</p> <p>1) In cooperation with Idaho Department of Fish and Game (IDFG), U.S. Fish and Wildlife Service (USFWS), U.S. Bureau of Reclamation (USBR), hydroelectric power companies, and others:</p> <p>a) Cooperate in gathering existing information to understand the distribution of known populations, and contribute new information as opportunities arise.</p> <p>2) Ensure that ongoing Federal actions support or do not preclude species recovery.</p> <p>3) Ensure that new Federal actions support or do not preclude species recovery.</p>	<p>The implementation actions reflect BLM’s commitment to support species recovery and meet ESA objectives. Actions apply to BLM lands and activities only. Habitat terms used throughout this document are defined in Appendix C: Species-Specific Habitat Definitions.</p> <p>1) Following actions to be completed in cooperation with others:</p> <p>a) Provide new occurrence information to CDC as project-level clearance inventories are completed. Cooperate with other agencies to develop and update a map or spatial database of known Snake River snails locations.</p> <p>2) Ongoing BLM activities:</p> <p>a) As needed, review ongoing activities in and adjacent to occupied suitable habitat where local consultation has not yet been completed.</p> <p>b) Determine if direct or indirect negative impacts to the species or its habitat are occurring as a result of ongoing discretionary BLM actions. If so, modify the activity to avoid or minimize anticipated negative impacts and, where feasible, promote species recovery.</p> <p>c) Where needed, complete section 7 consultation for ongoing activities that may affect any of these species and their habitats.</p> <p>3) New BLM activities:</p> <p>a) Project-level inventories will be completed in suitable habitat during project planning if inventory information is not available or adequate. SO will issue instruction memorandum concerning special status species project-level clearance inventories. The Instruction Memorandum (IM) will specify the circumstances under which inventories would be required for Snake River snails.</p> <p>b) If direct or indirect negative impacts to the species or their habitats are anticipated as the result of new BLM actions, modify the activity to avoid or minimize negative impacts and, where feasible, promote species recovery.</p>



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	<p>4) Implement adaptive management as needed to achieve conservation objectives.</p> <p>5) Support conservation easements, cooperative management efforts, and other programs on adjacent non-Federal lands to support recovery of the Snake River snails.</p>	<p>c) Where needed, complete section 7 consultation for new activities that may affect any of these species and their habitats.</p> <p>4) Conduct site-specific implementation and effectiveness monitoring. Adjust management as needed to ensure that management objectives are met.</p> <p>5) Take advantage of opportunities as they arise.</p>
Air Resources	None	None
Soil and Water Resources: Riparian/Wetland Areas (includes weed management)	<p>1) Activities within the Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery. As a part of promoting recovery, the goals are to promote conservation of healthy riparian areas to avoid erosion, sediment delivery, and other negative water quality impacts, or to minimize impacts if avoidance is not possible.</p> <p>2) Projects involving the application of pesticides (herbicides, insecticides, etc.) that may affect the species will be analyzed at the project level and designed such that pesticide applications will support conservation and recovery and minimize risks of exposure.</p> <p>3) Where needed and feasible, coordinate with adjacent landowners and local governments regarding control of invasive plants in riparian areas through cooperative weed management programs.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Site-specific stipulations will be developed locally using the following criteria:</p> <p>a) Evaluate the benefits and risks of vegetation treatment, including the following: application methods; pesticides, carriers, and surfactants used; needed treatment buffers; and use of non-chemical weed control (for example, bio-controls, hand pulling). If management objectives can be effectively accomplished using non-chemical methods, such is the preferred alternative.</p> <p>b) Apply appropriate spatial and temporal buffers to avoid species' exposure to harmful chemicals.</p> <p>c) Implement appropriate revegetation measures to reduce the risks of soil erosion and water quality impacts adjacent to suitable habitat.</p> <p>3) Take advantage of opportunities as they arise.</p>



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	4) Where needed, improve watershed conditions adjacent to suitable habitat to prevent soil erosion and negative water quality impacts. Conserve riparian vegetation near suitable habitat to minimize potential for erosion and sediment delivery to springs.	4) Management actions: a) Identify areas with unsuitable watershed conditions that are negatively impacting suitable habitat. Develop and implement a rehabilitation plan to reduce or eliminate negative impacts. b) Emphasize soil stabilization and avoid ground disturbance when risks of erosion and sediment delivery are high.
Upland Vegetation Management: Rangelands (includes weed management)	1) Activities within the Upland Vegetation Management: Rangelands (includes weed management) program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery. 2) Projects involving the application of pesticides in uplands adjacent to riparian areas located near suitable Snake River snails habitat will be designed and implemented in accordance with the approach described in the Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section. 3) Manage upland areas to minimize sediment delivery into suitable habitat.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table. 2) See Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section. 3) Emphasize soil stabilization and avoid ground disturbance when risks of erosion and sediment delivery to suitable habitat are high.
Forest and Woodland Management (includes weed management)	1) Activities within the Forest and Woodland Management (includes weed management) program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.
Wildlife and Wildlife Habitat Management	1) Activities within the Wildlife and Wildlife Habitat Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.
Fish and Aquatic Habitat Management	1) Activities within the Fish and Aquatic Habitat Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.



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Livestock Grazing Management: Permits and Leases	<p>1) Activities within the Livestock Grazing Management: Permits And Leases program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Manage livestock grazing and trailing adjacent to suitable Snake River snails habitat to promote healthy watershed conditions while implementing rangeland health standards and guidelines (S&Gs).</p> <p>3) Promote restoration of areas adjacent to suitable habitat following fire, fire rehabilitation, restoration treatments, or other major disturbances.</p> <p>4) Maintain regular compliance checks on grazing allotments adjacent to suitable habitat to identify problems as soon as possible and take immediate corrective measures.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Permit or lease renewal actions:</p> <p>a) For review of ongoing actions, see Special Status Animal and Plant Management program section item (2).</p> <p>b) For new actions, see Special Status Animal and Plant Management program section item (3).</p> <p>c) As appropriate to avoid or minimize negative impacts, modify livestock grazing permits and leases.</p> <p>3) As needed, protect disturbed areas using temporary closures or other measures until vegetation is re-established and self-sustaining.</p> <p>4) Ongoing, day-to-day BLM action.</p>
Livestock Grazing Management: Livestock Management Facilities	<p>1) Activities within the Livestock Grazing Management: Livestock Management Facilities program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Manage livestock facilities to promote healthy riparian communities or to prevent erosion, or a combination of these objectives, while implementing rangeland health S&Gs.</p> <p>3) Protect springs in or adjacent to suitable habitat to conserve and recover Snake River snails habitat.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) For review of ongoing actions, see Special Status Animal and Plant Management program section item (2). For new actions, see Special Status Animal and Plant Management program section item (3). As appropriate to avoid or minimize negative impacts, modify existing and avoid placement of new livestock facilities adjacent to suitable habitat. Consider fencing livestock away from suitable habitat, and developing water gaps for livestock.</p> <p>3) Avoid development of springs or other water sources in or adjacent to suitable habitat unless the activity will have beneficial long-term or neutral effects on Snake River snail populations. If a spring or water site is to be developed, install facilities as needed to avoid or minimize negative impacts.</p>



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LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
Wild Horse Management	1) Activities within the Wild Horse Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.
Recreation Management	<p>1) Activities within the Recreation Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Developed facilities (boat access, paved campgrounds, vault toilets, interpretive kiosks, etc.): Manage existing and new recreation facilities so as not to preclude species habitat conservation and recovery. This includes management of the physical facilities, as well as disturbances to the species resulting from human uses.</p> <p>3) Dispersed use areas (informal areas, including camping areas, spring access, and tie-up areas for pack animals and boats): Manage dispersed use sites so as not to preclude species habitat conservation and recovery. This includes limiting disturbances to the species resulting from human uses.</p> <p>4) Commercial and noncommercial recreation permits, including outfitter camps: Issue commercial and noncommercial recreation permits so as not to preclude species habitat conservation and recovery. This includes management of physical facilities (such as camps), as well as disturbances to the species resulting from human uses.</p> <p>5) Protect springs with known populations to conserve Snake River snails habitat.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Management of existing and new facilities:</p> <p>a) For review of existing facilities, see Special Status Animal and Plant Management program section item (2). As appropriate to avoid or minimize negative impacts, modify existing facilities.</p> <p>b) For new facilities, or for expansion of uses at existing facilities, see Special Status Animal and Plant Management program section item (3). In addition, modify new recreation facilities in or adjacent to suitable habitat if negative impacts are anticipated.</p> <p>3) For review of ongoing activities, see Special Status Animal and Plant Management program section item (2). In addition, minimize human activity in and adjacent to known populations, if negative impacts are occurring. Close areas, either seasonally or year-round, as needed, and post and monitor the closure.</p> <p>4) Issuance and review of existing and new permits:</p> <p>a) For review of existing permits, see Special Status Animal and Plant Management program section item (2). If needed, modify existing permits if the permitted activity is causing negative impacts.</p> <p>b) For new permits, see Special Status Animal and Plant Management program section item (3). Modify recreation permits if negative impacts are expected. If a recreation permit is to be issued in or adjacent to suitable habitat, apply stipulations to the permit to support or to not preclude species conservation and recovery.</p> <p>5) Discourage or prohibit human entry in springs with known Snake River snail populations, if such entry causes negative impacts.</p>



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LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
	6) Educate the public on the Snake River snails’ unique ecological requirements, sensitivity to habitat alteration, and need for habitat protection.	6) Take advantage of opportunities as they arise.
Recreation Management: Travel Management	<p>1) Activities within the Recreation Management: Travel Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Manage roads, off-highway vehicle (OHV) routes and areas, and non-motorized trails, so as to not preclude species habitat conservation and recovery. This includes management of physical facilities, as well as disturbances to the species resulting from human uses.</p> <p>3) Maintain regular compliance checks on OHV closures to protect known populations and to identify problems as soon as possible and take immediate corrective measures.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Review of existing and new roads, OHV routes, and areas and non-motorized trails:</p> <p>a) For existing roads, OHV routes and areas, and non-motorized trails, see Special Status Animal and Plant Management program section item (2). Limit OHV activities in areas adjacent to suitable habitat that are particularly susceptible to erosion and thus sediment delivery. Seek opportunities to close and revegetate OHV routes or non-motorized trails and use areas if negative impacts are occurring.</p> <p>b) For new roads, OHV routes and areas, and non-motorized trails, see Special Status Animal and Plant Management program section item (3). Avoid constructing new roads, trails, routes, and areas if negative impacts are expected. In particular, avoid opening new roads, trails, routes, and areas adjacent to suitable habitat particularly susceptible to erosion and thus sediment delivery.</p> <p>3) Ongoing, day-to-day BLM activities.</p>
Visual Resource Management	None	None
Special Designation Area Management	<p>1) Activities within the Special Designation Area Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Explore the potential for new designations that would enhance species recovery.</p> <p>3) Preserve the Box Canyon Springs Complex.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Take advantage of opportunities as they arise.</p> <p>3) Update the 1985 ACEC Management Plan for Box Canyon Springs to address conservation of Snake River snails.</p>



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Fire Management: Fire Suppression	<p>1) Activities within the Fire Management: Fire Suppression program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery. Human life and firefighter safety and property take priority over species protection.</p> <p>2) Fire suppression efforts will be conducted, as possible, to protect Snake River snails habitat. Place a high priority on protecting highly erosive areas adjacent to suitable habitat from wildfire.</p> <p>3) Coordinate with U.S. Forest Service, Idaho Department of Lands, or other applicable agency personnel regarding fire suppression activities in or near suitable habitat.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Fire management activities:</p> <p>a) Review Fire Management Plan for adequacy in addressing conservation measures. Modify the plan if needed.</p> <p>b) Apply minimum impact suppression tactics (MIST) adjacent to suitable habitat, as appropriate. Consult with resource advisors to determine where MIST tactics should be applied to avoid or minimize negative impacts.</p> <p>c) Avoid fire base camps, staging areas, fueling areas, or other related activities in highly erosive areas adjacent to suitable habitat.</p> <p>3) Ongoing interagency coordination.</p>
Fire Management: Emergency Stabilization and Rehabilitation	<p>1) Activities within the Fire Management: Emergency Stabilization and Rehabilitation program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Implement Emergency Stabilization and Rehabilitation (ES&R) activities to promote restoration of areas adjacent to suitable Snake River snails habitat.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) ES&R activities:</p> <p>a) If needed and if natural recovery would not achieve habitat objectives, implement ES&R activities to promote rehabilitation of areas adjacent to suitable habitat. Plant locally appropriate vegetation to prevent erosion, if natural recovery of such vegetation is doubtful. Include requirements that protect Snake River snails habitat, for example, sediment barriers.</p> <p>b) As needed, protect disturbed areas using temporary closures or other measures until site-specific stabilization, rehabilitation, and revegetation plan goals are met.</p>



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	3) Fire rehabilitation projects involving the application of pesticides will be analyzed and implemented in accordance with the approach described in the Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.	3) See Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.
Fire Management: Wildland Fire Use	1) Activities within the Fire Management: Wildland Fire Use program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery. 2) Wildland fire use projects (where allowed) will be designed to conserve suitable Snake River snails habitat.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table. 2) When developing wildland fire use plans, avoid burning lands adjacent to suitable habitat.
Fire Management: Prescribed Fire	1) Activities within the Fire Management: Prescribed Fire program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery. 2) Prescribed fire projects will be designed to conserve suitable Snake River snails habitat.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table. 2) When developing and implementing prescribed fire plans, avoid or minimize negative impacts to suitable habitat. Avoid prescribed fire use adjacent to suitable habitat, unless adequate erosion protections are implemented.
Fire Management: Non-Fire Fuels Management	1) Activities within the Fire Management: Non-Fire Fuels Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery. 2) Implement projects involving the application of pesticides in accordance with the approach described in the Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section. 3) Promote establishment of plant species needed to control erosion adjacent to suitable habitat.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table. 2) See Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section. 3) Incorporate conservation actions into the fuels projects, as needed, to control erosion and prevent sediment delivery to suitable habitat.
Fire Management: Community Assistance	1) Activities within the Fire Management: Community Assistance program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery. 2) Follow all measures included throughout the Fire Management program sections.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table. 2) See actions within Fire Management program sections. Incorporate into community assistance agreements.



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Lands and Realty Management: Land Tenure Adjustment (land sale, exchanges, withdrawals, etc.)	<p>1) Activities within the Lands and Realty Management: Land Tenure Adjustment (land sale, exchanges, withdrawals, etc.) program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Where feasible and funding is available, acquire through land exchange or purchase private lands that support known populations or could enhance habitat for Snake River snails.</p> <p>3) Retain Snake River riparian habitat in Federal ownership to the extent possible, while balancing other needs.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Take advantage of opportunities as they arise. Priority should be given to lands that are adjacent to or near public lands.</p> <p>3) Review each land tenure decision in terms of species habitat. Avoid the loss of riparian habitat along the Snake River from Federal ownership. If property is to be transferred out of Federal ownership, permanent conservation easements may be attached to the transfer that would result in equal or greater protection than under Federal management. Such measures must be approved by the State Director.</p>
Lands and Realty Management: Land Use Permits and Leases	<p>1) Activities within the Lands and Realty Management: Land Use Permits and Leases program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Issue new land use permits and leases and review existing permits and leases at renewal so as not to preclude species habitat conservation and recovery. This includes management of physical facilities, as well as disturbances to the species resulting from human uses.</p> <p>3) Protect the watershed contributing to Snake River snails habitat.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) For new permits and renewal of existing permits, see Special Status Animal and Plant Management program section item (3). Avoid issuing new permits or leases, or renewing existing permits or leases, adjacent to suitable habitat if negative impacts are expected. If a permit or lease is to be issued or re-issued adjacent to suitable habitat, apply stipulations to the permit that support or do not preclude species recovery and that avoid or minimize negative impacts.</p> <p>3) Conduct appropriate hydrologic studies or analysis before permitting developments on BLM lands where the extraction of groundwater may negatively impact suitable habitat. Depending on the scope of the activity, this may require coordination and cooperation with other agencies.</p>
Lands and Realty Management: Rights-of-Way	<p>1) Activities within the Lands and Realty Management: Rights-of-Way program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p>



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	<p>2) Issue new rights-of-way and review existing rights-of-way at renewal so as not to preclude species habitat conservation and recovery. This includes management of physical facilities, as well as disturbances to the species resulting from human uses.</p>	<p>2) For new rights-of-way and renewal of existing rights-of-way, see Special Status Animal and Plant Management program section item (3). Avoid issuing rights-of-way, or renewing existing rights-of-way, in or adjacent to suitable habitat if negative impacts are expected. If a right-of-way is to be issued or re-issued in or adjacent to suitable habitat, apply stipulations to the right-of-way that support or do not preclude species recovery and that avoid or minimize negative impacts.</p>
<p>Mineral Management: Locatable Minerals</p>	<p>1) Activities within the Mineral Management: Locatable Minerals program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Approve plans of operations or allow notice level operations so as not to preclude species habitat conservation and recovery. This includes management of physical facilities, as well as disturbances to the species resulting from human uses.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Approval of plans of operations and notice-level operations:</p> <p>a) For review of existing plans of operation and notice-level operations, see Special Status Animal and Plant Management program section item (2). To the extent allowed by law, modify plans of operation or notice-level operations that negatively impact Snake River snails habitat. For notice-level operations, notify the operator that modifications to proposed activities will be required to avoid negative impacts.</p> <p>b) For new plans of operation and notice-level operations, see Special Status Animal and Plant Management program section item (3). To the extent allowed by law, avoid approving plans of operation or notice-level operations that negatively impact Snake River snails habitat. For notice-level operations, notify the operator that modifications to proposed activities will be required to avoid negative impacts. If a plan of operations is to be approved in suitable habitat, apply stipulations to support or to not preclude species recovery. A notice will require modification by the operator until BLM determines that it will not result in undue or unnecessary degradation.</p>
<p>Mineral Management: Saleable and Leasable Minerals</p>	<p>1) Activities within the Mineral Management: Saleable and Leasable Minerals program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Approve development of saleable or leasable minerals so as not to preclude species habitat conservation and recovery. This includes management of</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Approval of saleable and leasable minerals:</p>



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	<p>physical facilities, as well as disturbances to the species resulting from human uses.</p> <p>3) Protect the watershed contributing to Snake River snail habitat.</p>	<p>a) For review of existing mineral leases, see Special Status Animal and Plant Management program section item (2). Modify existing mineral leases if negative impacts are occurring.</p> <p>b) For new sales or leases, see Special Status Animal and Plant Management program section item (3). Avoid development of saleable or leasable minerals adjacent to suitable habitat if negative impacts are expected. If a minerals lease or sale is to be issued adjacent to suitable habitat, apply stipulations to support or to not preclude species recovery.</p> <p>3) Conduct appropriate hydrologic studies or analysis before permitting developments on BLM lands where the extraction of groundwater may negatively impact suitable habitat. Depending on the scope of the activity, this may require coordination and cooperation with other agencies.</p>
Cultural Management	1) Activities within the Cultural Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.
Paleontology	1) Activities within the Paleontology program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.



Appendix 21b. Bald Eagle (*Haliaeetus leucocephalus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
<p>Special Status Animal and Plant Management Note: Common to All Programs</p>	<p>The conservation measures contained throughout this table implement important elements included in the Recovery Plan for the bald eagle. The conservation measures reflect BLM’s commitment to support species recovery and meet ESA objectives.</p> <p>1) In cooperation with Idaho Department of Fish and Game (IDFG), U.S. Fish and Wildlife Service (USFWS), and others:</p> <p>a) Continue to cooperate in determining the distribution of populations and suitable habitats.</p> <p>b) Following current monitoring protocols, continue to cooperate in conducting systematic nest surveys and monitoring.</p> <p>c) Cooperate in the management of nest sites and communal roost sites to promote species recovery.</p> <p>d) Cooperate in the maintenance and improvement of habitat in key foraging areas, for example, mule deer winter range, and aquatic and riparian habitat for fish and waterfowl, where a need exists.</p> <p>e) Cooperate to maintain and develop nesting and roosting habitat for future use by bald eagles.</p> <p>f) Working with other agencies, compile a general list of BMPs that would apply to all programs, to the extent that such a list would assist with consultation and species recovery. The intent of implementing BMPs is to avoid or minimize negative impacts.</p>	<p>The implementation actions reflect BLM’s commitment to support species recovery and meet ESA objectives. Actions apply to BLM lands and activities only</p> <p>1) Following actions to be completed in cooperation with others:</p> <p>a) Mapping and data inventory:</p> <p>i) Continue to identify, record, and map the following habitats: nest sites, communal roost sites, key foraging areas, and other suitable habitat on BLM lands.</p> <p>ii) Maintain a spatial database of species population and habitat information for BLM lands.</p> <p>b) Cooperate with IDFG and USFWS (and FWS) to accomplish regular nest surveys and other monitoring (such as winter counts).</p> <p>c) Update or develop management plans for nest sites, communal roost sites, or key foraging areas, as appropriate, for habitats located on BLM lands.</p> <p>d) Take advantage of opportunities as they arise.</p> <p>e) Manage suitable habitat to maintain and promote tree regeneration, including plantings, fencing, or other management actions. Identify riparian areas that would be appropriate for cottonwood restoration.</p> <p>f) BMPs:</p> <p>i) SO to coordinate development of BMPs with FO, District Office (DO), USFWS, and IDFG. Instruction memorandum to be issued by SO.</p> <p>ii) FO to implement BMPs.</p>



Appendix 21b. Bald Eagle (*Haliaeetus leucocephalus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
	<p>2) Ensure that ongoing Federal actions support or do not preclude species recovery.</p> <p>3) Ensure that new Federal actions support or do not preclude species recovery.</p> <p>4) Protect bald eagles from disturbance that might result in displacement during critical periods.</p> <p>5) Implement adaptive management as needed to achieve conservation objectives.</p>	<p>2) Ongoing BLM activities:</p> <p>a) As needed, review ongoing activities within 2.5 miles of bald eagle nests or within the area designated in the local bald eagle nest management plan, and within 1 mile of communal roost sites where local consultation has not yet been completed.</p> <p>b) Determine if direct or indirect negative impacts to the species or its habitat are occurring as a result of ongoing discretionary BLM actions. If so, modify the activity to avoid or minimize negative impacts and, where feasible, promote species recovery.</p> <p>c) Where needed, complete section 7 consultation for ongoing activities that may affect this species and its habitat.</p> <p>3) New BLM activities:</p> <p>a) Project-level inventories will be completed in suitable habitat during project planning if inventory information is not available or adequate. SO will issue instruction memorandum concerning special status species project-level clearance inventories and assessment.</p> <p>b) If direct or indirect negative impacts to the species or its habitat are anticipated as a result of new BLM actions, modify the activity to avoid or minimize anticipated negative impacts and, where feasible, promote species recovery.</p> <p>c) Where needed, complete section 7 consultation for new activities that may affect this species and its habitat.</p> <p>4) Avoid implementing activities near nest sites during the breeding season (February 1 to August 15) or follow the local bald eagle plan guidance near communal roost sites and key foraging areas during the wintering season (November 1 to March 1).</p> <p>5) Conduct site-specific implementation and effectiveness monitoring. Adjust management as needed to ensure that management objectives are met.</p>



Appendix 21b. Bald Eagle (*Haliaeetus leucocephalus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
	6) Support conservation easements, cooperative management efforts, and other programs on adjacent non-Federal lands to support recovery of the bald eagle.	6) Take advantage of opportunities as they arise.
Air Resources	None	None
Soil and Water Resources: Riparian/Wetland Areas (includes weed management)	<p>1) Activities within the Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery. As a part of promoting recovery, the goals are to promote mature forested riparian habitat conservation, to avoid negative impacts, or to minimize impacts if avoidance is not possible.</p> <p>2) Projects involving the application of pesticides (herbicides, insecticides, etc.) that may affect the species will be analyzed at the project level and designed such that pesticide applications will support conservation and recovery and minimize risks of exposure.</p> <p>3) Where needed and feasible, coordinate with adjacent land owners and local governments regarding control of invasive plants in riparian areas through cooperative weed management programs.</p> <p>4) Conserve mature riparian forests (i.e., cottonwood galleries) in suitable habitat to maintain their integrity for use as bald eagle nesting, roosting, or perching substrate.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Site-specific stipulations will be developed locally using the following criteria:</p> <p>a) Evaluate the benefits and risks of vegetation treatment, including the following: application methods; pesticides, carriers, and surfactants used; needed treatment buffers; and use of non-chemical weed control (for example, bio-controls, hand pulling). If management objectives can be effectively accomplished using non-chemical methods, such is the preferred alternative.</p> <p>b) Apply appropriate spatial and temporal buffers to avoid species' exposure to harmful chemicals.</p> <p>c) Implement appropriate revegetation and weed control measures to reduce the risks of non-native species infestations following any ground/soil disturbing actions in or near suitable habitat.</p> <p>3) Take advantage of opportunities as they arise.</p> <p>4) Management actions:</p> <p>a) Emphasize eradication of non-native invasive species in riparian areas that compete with cottonwood regeneration. Continue to identify problem</p>



Appendix 21b. Bald Eagle (*Haliaeetus leucocephalus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
		<p>areas (such as areas infested with tamarisk, Russian olive, and false indigo) and implement appropriate weed control measures.</p> <p>b) Avoid issuing commercial firewood cutting permits in suitable habitats in riparian forests. If permits are issued, ensure that such activities are consistent with the long-term maintenance of mature cottonwood forests.</p> <p>c) As needed, close suitable habitat in riparian forests to non-commercial firewood cutting and post the closure.</p>
<p>Upland Vegetation Management: Rangelands (includes weed management)</p>	<p>1) Activities in the Upland Vegetation Management: Rangelands (includes weed management) program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Projects involving the application of pesticides in uplands adjacent to suitable bald eagle habitat or in restoration areas will be designed and implemented in accordance with the approach described in the Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) See Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.</p>
<p>Forest and Woodland Management (includes weed management)</p>	<p>1) Activities in the Forest and Woodland Management (includes weed management) program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery. As a part of promoting recovery, the goals are to promote mature forest conservation in suitable habitat, to avoid negative impacts, or to minimize impacts if avoidance is not possible.</p> <p>2) Conserve mature upland forests in suitable habitat to maintain their integrity for use as bald eagle nesting, roosting, or perching substrate.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Management actions:</p> <p>a) Allow commercial timber management projects or firewood cutting when negative impacts to suitable bald eagle habitat can be avoided or minimized. Within 1/2 mile, or as defined in the local bald eagle plan, of nest and communal roost sites ensure that such activities maintain or improve old growth stand characteristics.</p> <p>b) Avoid designating suitable habitat as open to non-commercial firewood cutting. Close suitable habitat areas to non-commercial firewood cutting if management problems arise.</p>



Appendix 21b. Bald Eagle (*Haliaeetus leucocephalus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
	3) Projects involving the application of pesticides in forested areas and woodlands adjacent to riparian and wetland areas that provide suitable bald eagle habitat will be designed and implemented in accordance with the approach described in the Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.	3) See Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.
Wildlife and Wildlife Habitat Management	1) Activities within the Wildlife and Wildlife Habitat Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.
Fish and Aquatic Habitat Management	1) Activities within the Fish and Aquatic Habitat Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery. As a part of promoting recovery, the goals are to promote productive fish habitat as a prey species for bald eagles, to avoid negative impacts, or to minimize impacts if avoidance is not possible.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.
Livestock Grazing Management: Permits and Leases	<p>1) Activities within the Livestock Grazing Management: Permits And Leases will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Manage livestock grazing and trailing to promote nesting and roosting tree growth and recruitment, healthy riparian communities, or a combination of these objectives. Maintain and promote suitable habitat and restore areas for the bald eagle while implementing rangeland health standards and guidelines (S&Gs).</p> <p>3) Promote restoration of suitable habitat following fire, fire rehabilitation, restoration treatments, or other major disturbances.</p> <p>4) Maintain regular compliance checks on grazing allotments with nest sites and communal roost sites to identify problems as soon as possible and take immediate corrective measures.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Permit or lease renewal actions:</p> <p>a) For review of ongoing actions, see Special Status Animal and Plant Management program section item (2).</p> <p>b) For new actions, see Special Status Animal and Plant Management program section item (3).</p> <p>3) As needed, protect disturbed areas using temporary closures or other measures until the cottonwood saplings (or other target tree species) are re-established and self-sustaining.</p> <p>4) Ongoing, day-to-day BLM action.</p>



Appendix 21b. Bald Eagle (*Haliaeetus leucocephalus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
Livestock Grazing Management: Livestock Management Facilities	<p>1) Activities within the Livestock Grazing Management: Livestock Management Facilities program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Manage livestock facilities to promote nesting and roosting tree growth and recruitment, healthy riparian communities, or a combination of these objectives. Maintain and promote suitable habitat and restore areas for the bald eagle while implementing rangeland health S&Gs.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) For review of ongoing actions, see Special Status Animal and Plant Management program section item (2). For new actions, see Special Status Animal and Plant Management program section item (3). As appropriate to avoid or minimize negative impacts, modify existing and avoid placement of new livestock facilities.</p>
Wild Horse Management	<p>1) Activities within the Wild Horse Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p>
Recreation Management	<p>1) Activities within the Recreation Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Developed facilities (boat access, paved campgrounds, vault toilets, interpretive kiosks, etc.): Manage existing and new recreation facilities so as to not preclude species habitat conservation and recovery. This includes management of the physical facilities, as well as disturbances to the species resulting from human uses.</p> <p>3) Dispersed use areas (informal areas, including camping areas and tie-up areas for pack animals and boats): Manage dispersed use sites so as not to preclude species habitat conservation and recovery. This includes limiting disturbances to the species resulting from human uses.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Management of existing and new facilities:</p> <p>a) For review of existing facilities see Special Status Animal and Plant Management program section item (2). As appropriate to avoid or minimize negative impacts, modify existing facilities.</p> <p>b) For new facilities, or for expansion of uses or seasons of use at existing facilities, see Special Status Animal and Plant Management program section item (3). In addition, avoid development of new recreation facilities or expansion of existing facilities within 0.5 mile of bald eagle nests and traditional communal roosting areas, or follow the local bald eagle plan guidance.</p> <p>3) For review of ongoing activities, see Special Status Animal and Plant Management program section item (2). In addition, minimize human activity within 0.5 mile of bald eagle nests and traditional communal roosting areas, or follow the local bald eagle plan guidance if negative impacts are occurring. Close areas, either seasonally or year-round, as needed to protect the species and its habitat, and post and monitor the closure.</p>



Appendix 21b. Bald Eagle (*Haliaeetus leucocephalus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
	<p>4) Commercial and noncommercial recreation permits, including outfitter camps: Issue commercial and noncommercial recreation permits so as not to preclude species habitat conservation and recovery. This includes management of physical facilities (such as camps), as well as disturbances to the species resulting from human uses.</p> <p>5) Coordinate with the IDFG to educate recreation users at boat ramps and at designated camp areas about the need to conserve bald eagle habitat.</p>	<p>4) Issuance and review of existing and new permits:</p> <p>a) For review of existing permits, see Special Status Animal and Plant Management program section item (2). If needed, modify existing permits that conflict with providing bald eagle suitable habitat conditions.</p> <p>b) For new permits, see Special Status Animal and Plant Management program section item (3). Avoid issuing recreation permits if negative impacts are expected. Consider the seasonal nature of the proposed activities, and whether this conflicts with bald eagle recovery needs. In particular, avoid permitting new recreation activities within 0.5 mile of occupied bald eagle nests and traditional communal roosting areas, or follow the local bald eagle plan guidance. If a recreation permit is to be issued, apply stipulations to the permit to support or to not preclude species conservation and recovery.</p> <p>5) Take advantage of opportunities as they arise.</p>
<p>Recreation Management: Travel Management</p>	<p>1) Activities within the Recreation Management: Travel Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Manage roads, off-highway vehicle (OHV) routes and areas, as well as non-motorized trails, so as not to preclude species habitat conservation and recovery. This includes management of physical facilities, as well as disturbances to the species resulting from human uses.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Review of existing and new roads, OHV routes, and areas and non-motorized trails:</p> <p>a) For existing roads, designated OHV routes and areas, and designated non-motorized trails, see Special Status Animal and Plant Management program section item (2). Modify roads, routes, or trails within 0.5 mile of nest sites or communal roosts, or follow the local bald eagle plan guidance, if negative impacts are occurring. Evaluate the need for seasonal OHV use restrictions within or adjacent to occupied nest sites, communal roosts, or key foraging areas. Implement restrictions to reduce disturbance. Seek opportunities to close and revegetate OHV routes or non-motorized trails and use areas in and adjacent to nest sites and communal roosts, if negative impacts are occurring.</p> <p>b) For new roads, OHV routes and areas, and non-motorized trails, see Special Status Animal and Plant Management program section item (3). Avoid con-</p>



Appendix 21b. Bald Eagle (*Haliaeetus leucocephalus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
	3) Maintain regular compliance checks on OHV closures to protect suitable habitat and to identify problems as soon as possible and take immediate corrective measures.	<p>structing new roads, trails, routes, and areas if negative impacts are expected. Consider the seasonal nature of the proposed activities, and whether this conflicts with bald eagle recovery needs. In particular, avoid opening new roads, trails, routes, and areas within 0.5 mile of occupied bald eagle nests, communal roosting areas, or key foraging areas, or follow the local bald eagle plan guidance.</p> <p>3) Ongoing, day-to-day BLM activities.</p>
Visual Resource Management	None	None
Special Designation Area Management	<p>1) Activities within the Special Designation Area Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Explore the potential for new designations that would enhance species recovery, such as relict, good-condition, cottonwood galleries.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Take advantage of opportunities as they arise.</p>
Fire Management: Fire Suppression	<p>1) Activities within the Fire Management: Fire Suppression program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery. Human life and firefighter safety and property take priority over species protection.</p> <p>2) Fire suppression efforts will be conducted, as possible, to protect bald eagle habitat. Place a high priority on protecting suitable habitat.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Fire management activities:</p> <p>a) Review Fire Management Plan for adequacy in addressing conservation measures. Modify the plan if needed.</p> <p>b) Apply minimum impact suppression tactics (MIST) in suitable habitat, as appropriate. Consult with resource advisors to determine where MIST tactics should be applied to avoid or minimize negative impacts.</p> <p>c) Do not locate fire base camps, staging areas, and fueling areas in or adjacent to nest sites and communal roosts. Avoid conducting other related activities in these areas.</p>



Appendix 21b. Bald Eagle (*Haliaeetus leucocephalus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
	3) Coordinate with U.S. Forest Service, Idaho Department of Lands, or other applicable agency personnel regarding fire suppression activities in or near nest sites and communal roost areas.	3) Ongoing interagency coordination.
Fire Management: Emergency Stabilization and Rehabilitation	<p>1) Activities within Fire Management: Emergency Stabilization and Rehabilitation program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Implement Emergency Stabilization and Rehabilitation (ES&R) activities to promote bald eagle habitat rehabilitation.</p> <p>3) Fire rehabilitation projects involving the application of pesticides will be analyzed and implemented in accordance with the approach described in the Soil and Water Resources: Riparian/Wetland Areas program section.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) ES&R activities:</p> <p>a) If needed and if natural recovery would not achieve habitat objectives, implement ES&R activities to promote rehabilitation of suitable habitat. Plant locally appropriate nesting and roosting trees, if natural recovery of such trees is doubtful.</p> <p>b) As needed, protect disturbed areas using temporary closures or other measures until the cottonwood saplings (or other target tree species) are re-established and self-sustaining.</p> <p>3) See Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.</p>
Fire Management: Wildland Fire Use	<p>1) Activities within the Fire Management: Wildland Fire Use program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Wildland fire use projects (where allowed) will be designed to conserve suitable bald eagle habitat.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) When developing wildland fire use plans, avoid burning suitable habitat and only develop appropriate burn prescriptions that maximize the conservation of suitable habitat.</p>



Appendix 21b. Bald Eagle (*Haliaeetus leucocephalus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
Fire Management: Prescribed Fire	<p>1) Activities within the Fire Management: Prescribed Fire program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Prescribed fire projects will be designed to conserve suitable bald eagle habitat.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) When developing and implementing prescribed fire plans, avoid or minimize negative impacts to suitable habitat, and use prescribed fire as a tool for assisting with species conservation (for example, for enhancement of big game winter range used by bald eagles).</p>
Fire Management: Non-Fire Fuels Management	<p>1) Activities within the Fire Management: Non-Fire Fuels Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Implement projects involving the application of pesticides in accordance with the approach described in the Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.</p> <p>3) Promote establishment of plant species needed to achieve suitable bald eagle habitat.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) See Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.</p> <p>3) Incorporate conservation actions into the fuels projects, as needed. For example, design seed mixes that will enhance or promote the growth of cottonwoods or other target tree species.</p>
Fire Management: Community Assistance	<p>1) Activities within the Fire Management: Community Assistance program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Follow all measures included throughout the Fire Management Program sections.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) See actions within Fire Management program sections. Incorporate into community assistance agreements.</p>
Lands and Realty Management: Land Tenure Adjustment (land sale, exchanges, withdrawals, etc.)	<p>1) Activities within the Lands and Realty Management: Land Tenure Adjustment (land sale, exchanges, withdrawals, etc.) program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Where feasible and funding is available, acquire through land exchange or purchase private lands in suitable habitat areas that could enhance habitat for bald eagles.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Take advantage of opportunities as they arise. Priority should be given to lands that are adjacent to or near public lands and/or a population occurring on BLM and private lands.</p>



Appendix 21b. Bald Eagle (*Haliaeetus leucocephalus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
	3) Retain bald eagle habitat in Federal ownership to the extent possible, while balancing other needs.	3) Review each land tenure decision in terms of species habitat. Retain active nest sites in public ownership unless compelling circumstances necessitate the land tenure adjustment. Avoid the loss of suitable habitat from Federal ownership. If property with suitable habitat is to be transferred out of Federal ownership, permanent conservation easements may be attached to the transfer that would result in equal or greater protection than under Federal management. Such measures must be approved by the State Director.
Lands and Realty Management: Land Use Permits and Leases	<p>1) Activities within the Lands and Realty Management: Land Use Permits and Leases program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Issue new land use permits and leases and review existing permits and leases at renewal so as not to preclude species habitat conservation and recovery. This includes management of physical facilities, as well as disturbances to the species resulting from human uses.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) For new permits and renewal of existing permits (apply to areas within suitable habitat), see Special Status Animal and Plant Management program section item (3). Avoid issuing new permits or leases, or renewing existing permits or leases in or near nest sites or communal roosts if negative impacts are expected. Consider the seasonal nature of the proposed activities, and whether this conflicts with bald eagle recovery needs. If a permit or lease is to be issued or re-issued in suitable habitat, apply stipulations to the permit that support or do not preclude species recovery and that avoid or minimize negative impacts.</p>
Lands and Realty Management: Rights-of-Way	<p>1) Activities within the Lands and Realty Management: Rights-of-Way program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Issue new rights-of-way—and review existing rights-of-way at renewal—so as not to preclude species habitat conservation and recovery. This includes management of physical facilities, as well as disturbances to the species resulting from human uses.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) For new rights-of-way and renewal of existing rights-of-way (applying to areas within suitable habitat), see Special Status Animal and Plant Management program section item (3). Avoid issuing rights-of-way, or renewing existing rights-of-way, in or near nest sites or communal roosts if negative impacts are expected. Consider the seasonal nature of the proposed activities, and whether this conflicts with bald eagle recovery needs. If a right-of-way is to be issued or re-issued in suitable habitat, apply stipulations to the right-of-way that support or do not preclude species recovery and that avoid or minimize negative impacts.</p>



Appendix 21b. Bald Eagle (*Haliaeetus leucocephalus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
<p>Mineral Management: Locatable Minerals</p>	<p>1) Activities within the Mineral Management: Locatable Minerals program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Approve plans of operations or allow notice level operations so as not to preclude species habitat conservation and recovery. This includes management of physical facilities, as well as disturbances to the species resulting from human uses.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Approval of plans of operations and notice-level operations:</p> <p>a) For review of existing plans of operation and notice-level operations (applying to areas either within 2.5 miles of bald eagle nests or within the area designated in the local bald eagle nest management plan, and within 1 mile of communal roost sites), see Special Status Animal and Plant Management program section item (2). To the extent allowed by law, modify plans of operation or notice-level operations that conflict with bald eagle management objectives in suitable habitat. For notice-level operations, notify the operator that modifications to proposed activities will be required to avoid negative impacts.</p> <p>b) For new plans of operation and notice-level operations (applying to areas within suitable habitat), see Special Status Animal and Plant Management program section item (3). To the extent allowed by law, avoid approving plans of operation or notice-level operations that conflict with bald eagle management objectives in suitable habitat. Consider the seasonal nature of the proposed activities, and whether this conflicts with bald eagle recovery needs. For notice-level operations, notify the operator that modifications to proposed activities will be required to avoid negative impacts. If a plan of operations is to be approved in suitable habitat, apply stipulations to support or to not preclude species recovery. A notice will require modification by the operator until BLM determines that it will not result in undue or unnecessary degradation.</p>
<p>Mineral Management: Saleable and Leasable Minerals</p>	<p>1) Activities within the Mineral Management: Saleable and Leasable Minerals program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.</p> <p>2) Approve development of saleable or leasable minerals so as not to preclude species habitat conservation and recovery. This includes management of physical facilities, as well as disturbances to the species resulting from human uses.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Approval of saleable and leasable minerals:</p> <p>a) For review of existing mineral leases (applying to areas either within 2.5 miles of bald eagle nests or within the area designated in the local bald eagle</p>



Appendix 21b. Bald Eagle (*Haliaeetus leucocephalus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
		<p>nest management plan, and within 1 mile of communal roost sites), see Special Status Animal and Plant Management program section item (2).</p> <p>b) For new sales or leases (applying to areas within suitable habitat), see Special Status Animal and Plant Management program section item (3). Avoid development of saleable or leasable minerals in suitable habitat if negative impacts are expected. Consider the seasonal nature of the proposed activities, and whether this conflicts with bald eagle recovery needs. If a minerals lease or sale is to be issued in suitable habitat, apply stipulations to support or to not preclude species recovery.</p>
Cultural Management	1) Activities within the Cultural Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.
Paleontology	1) Activities within the Paleontology program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote recovery.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.



Appendix 21c. Yellow-Billed Cuckoo (*Coccyzus americanus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
<p>Special Status Animal and Plant Management Note: Common to All Programs</p>	<p>The conservation measures contained throughout this table implement important elements for yellow-billed cuckoo conservation. The conservation measures reflect BLM’s commitment to support species conservation.</p> <p>1) In cooperation with Idaho Department of Fish and Game (IDFG), U.S. Fish and Wildlife Service (USFWS), and others:</p> <p>a) Continue to cooperate in determining the distribution of known populations and suitable habitats.</p> <p>b) Following current monitoring protocols, continue to cooperate in monitoring for species presence on a regular basis.</p> <p>c) Participate in research essential to conservation of the species. Cooperate in determining specific limiting factors in terms of habitat needs and characteristics.</p> <p>d) Cooperate in the management and improvement of suitable habitat to promote species conservation.</p> <p>e) Working with other agencies, compile a general list of BMPs that would apply to all programs, to the extent that such a list would assist with species and habitat conservation. The intent of implementing BMPs is to avoid or minimize negative impacts.</p>	<p>The implementation actions reflect BLM’s commitment to support species conservation. Actions apply to BLM lands and activities only.</p> <p>1) Following actions to be completed in cooperation with others:</p> <p>a) Mapping and data inventory:</p> <p>i) Use IDFG, CDC, USFWS, and other data to identify, record, and map known populations and suitable habitat on BLM lands.</p> <p>ii) Maintain a spatial database of species population and habitat information for BLM lands.</p> <p>iii) Participate in surveys and map new populations as found. Systematic inventories will continue to be conducted in cooperation with other agencies.</p> <p>b) Cooperate with IDFG and USFWS to conduct regular monitoring of populations on BLM lands. Assist in documenting whether cuckoos are using habitats and the type of use.</p> <p>c) BLM will participate as funding allows.</p> <p>d) Where appropriate, update or develop management plans for suitable habitat, particularly in areas with known populations, as well as in restoration areas.</p> <p>e) BMPs:</p> <p>i) SO to coordinate development of BMPs with FO, District Office (DO), USFWS, and IDFG. Instruction memorandum to be issued by SO.</p> <p>ii) FO to implement BMPs.</p>



Appendix 21c. Yellow-Billed Cuckoo (*Coccyzus americanus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
	<p>2) Ensure that ongoing Federal actions support or do not preclude species conservation.</p> <p>3) Ensure that new Federal actions support or do not preclude species conservation.</p> <p>4) Implement adaptive management as needed to achieve conservation objectives.</p> <p>5) Support conservation easements, cooperative management efforts, and other programs on adjacent non-Federal lands to support conservation of the yellow-billed cuckoo.</p>	<p>2) Ongoing BLM activities:</p> <p>a) Review ongoing activities in locations with known populations.</p> <p>b) Determine if direct or indirect negative impacts to the species or its habitat are occurring as a result of ongoing discretionary BLM actions. If so, modify the activity to avoid or minimize negative impacts and, where feasible, promote species conservation.</p> <p>3) New BLM activities:</p> <p>a) Project-level inventories will be completed in suitable habitat during project planning if inventory information is not available or adequate. SO will issue instruction memorandum concerning special status species project-level inventories and assessment.</p> <p>b) If direct or indirect negative impacts to the species or its habitat are anticipated as a result of new BLM actions, modify the activity to avoid or minimize negative impacts and, where feasible, promote species conservation.</p> <p>c) Avoid implementing activities that have the potential to disturb or displace known populations of cuckoos during the breeding season (May through September).</p> <p>4) Conduct site-specific implementation and effectiveness monitoring. Adjust management as needed to ensure that management objectives are met.</p> <p>5) Take advantage of opportunities as they arise.</p>
Air Resources	None	None



Appendix 21c. Yellow-Billed Cuckoo (*Coccyzus americanus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
<p>Soil and Water Resources: Riparian/Wetland Areas (includes weed management)</p>	<p>1) Activities within the Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation. As a part of conservation, the goals are to promote multi-tiered forested riparian habitat development and maintenance in suitable habitat and restoration areas, to avoid negative impacts, or to minimize impacts if avoidance is not possible.</p> <p>2) Projects involving the application of pesticides (herbicides, insecticides, etc.) that may affect the species will be analyzed at the project level and designed such that pesticide applications will support conservation and minimize risks of exposure.</p> <p>3) Where needed and feasible, coordinate with adjacent landowners and local governments regarding control of invasive plants in riparian areas through cooperative weed management programs.</p> <p>4) Conserve riparian vegetation in suitable habitat (for example, healthy willow stands and cottonwood trees) to maintain their integrity for use by yellow-billed cuckoos, and initiate management in restoration areas.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Site-specific stipulations will be developed locally using the following criteria:</p> <p>a) Evaluate the benefits and risks of vegetation treatment, including the following: application methods; pesticides, carriers, and surfactants used; needed treatment buffers; and use of non-chemical weed control (for example, bio-controls, hand pulling). If management objectives can be effectively accomplished using non-chemical methods, such is the preferred alternative.</p> <p>b) Apply appropriate spatial and temporal buffers to avoid species' exposure to harmful chemicals.</p> <p>c) Implement appropriate revegetation and weed control measures to reduce the risks of non-native species infestations following any ground/soil disturbing actions in or near suitable habitat.</p> <p>3) Take advantage of opportunities as they arise.</p> <p>4) Management actions:</p> <p>a) Emphasize eradication of non-native invasive species in riparian areas that compete with willow and cottonwood tree regeneration. Continue to identify problem areas (such as areas infested with tamarisk, Russian olive, and false indigo) and implement appropriate weed control measures.</p> <p>b) Avoid issuing commercial firewood cutting permits in suitable habitats in riparian forests. If permits are issued, ensure that such activities are</p>



Appendix 21c. Yellow-Billed Cuckoo (*Coccyzus americanus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
		consistent with the long-term maintenance of suitable habitat and enhancement of restoration areas. c) As needed, close suitable habitat in riparian forests to non-commercial firewood cutting and post the closure.
Upland Vegetation Management: Rangelands (includes weed management)	1) Activities within the Upland Vegetation Management: Rangelands (includes weed management) program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation. 2) Projects involving the application of pesticides in uplands adjacent to suitable yellow-billed cuckoo habitat or in restoration areas will be designed and implemented in accordance with the approach described in the Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table. 2) See Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.
Forest and Woodland Management (includes weed management)	1) Activities within the Forest and Woodland Management (includes weed management) program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation. 2) Projects involving the application of pesticides in forested areas and woodlands adjacent to suitable yellow-billed cuckoo habitat or in restoration areas will be designed and implemented in accordance with the approach described in the Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table. 2) See Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.
Wildlife and Wildlife Habitat Management	1) Activities within the Wildlife and Wildlife Habitat Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation. 2) In restoration areas, cooperate in creating opportunities for yellow-billed cuckoo occupancy by enhancing habitat.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table. 2) Consider planting or other habitat enhancement measures to improve yellow-billed cuckoo habitat value.
Fish and Aquatic Habitat Management	1) Activities within the Fish and Aquatic Habitat Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.



Appendix 21c. Yellow-Billed Cuckoo (*Coccyzus americanus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
Livestock Grazing Management: Permits and Leases	<p>1) Activities within the Livestock Grazing Management: Permits And Leases program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation.</p> <p>2) Manage livestock grazing and trailing to promote growth and recruitment of healthy riparian vegetation communities (for example, willows and cottonwood trees). Maintain and promote suitable habitat and restore areas for the yellow-billed cuckoo while implementing rangeland health standards and guidelines (S&Gs).</p> <p>3) Promote restoration of suitable habitat following fire, fire rehabilitation, restoration treatments, or other major disturbances.</p> <p>4) Maintain regular compliance checks on grazing allotments with known populations to identify problems as soon as possible and take immediate corrective measures.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Permit or lease renewal actions:</p> <p>a) For review of ongoing actions, see Special Status Animal and Plant Management program section item (2).</p> <p>b) For new actions, see Special Status Animal and Plant Management program section item (3).</p> <p>c) As appropriate to avoid or minimize negative impacts, modify live-stock grazing permits and leases.</p> <p>3) As needed, protect disturbed areas using temporary closures or other measures until the willow shrubs and cottonwood saplings (or other target riparian species) are re-established and self-sustaining.</p> <p>4) Ongoing, day-to-day BLM action.</p>
Livestock Grazing Management: Livestock Management Facilities	<p>1) Activities within the Livestock Grazing Management: Livestock Management Facilities program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation.</p> <p>2) Manage livestock facilities to promote healthy riparian vegetation communities (for example, willows and cottonwood trees). Maintain and promote suitable habitat and restore areas for the yellow-billed cuckoo while implementing rangeland health S&Gs.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) For review of ongoing actions, see Special Status Animal and Plant Management program section item (2). For new actions, see Special Status Animal and Plant Management program section item (3). As appropriate to avoid or minimize negative impacts, modify existing and avoid placement of new livestock facilities.</p>
Wild Horse Management	<p>1) Activities within the Wild Horse Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p>



Appendix 21c. Yellow-Billed Cuckoo (*Coccyzus americanus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
Recreation Management	<p>1) Activities within the Recreation Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation.</p> <p>2) Developed facilities (boat access, paved campgrounds, vault toilets, interpretive kiosks, etc.): Manage existing and new recreation facilities so as not to preclude species habitat conservation. This includes management of the physical facilities, as well as disturbances to the species resulting from human uses.</p> <p>3) Dispersed use areas (informal areas, including camping areas and tie-up areas for pack animals and boats): Manage dispersed use sites so as not to preclude species habitat conservation. This includes limiting disturbances to the species resulting from human uses.</p> <p>4) Commercial and noncommercial recreation permits, including outfitter camps: Issue commercial and noncommercial recreation permits in accordance with goals for promoting species habitat conservation. This includes management of physical facilities (such as camps), as well as disturbances to the species resulting from human uses.</p> <p>5) Coordinate with the IDFG to educate recreation users at boat ramps and at designated camp areas about the need to conserve yellow-billed cuckoo habitat.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Management of existing and new facilities:</p> <p>a) For review of existing facilities, see Special Status Animal and Plant Management program section item (2). As appropriate to avoid or minimize negative impacts, modify existing facilities.</p> <p>b) For new facilities, or for expansion of uses or seasons of use at existing facilities, see Special Status Animal and Plant Management program section item (3). In addition, avoid development of new recreation facilities or expansion of existing facilities in suitable habitat, if negative impacts are anticipated.</p> <p>3) For review of ongoing actions, see Special Status Animal and Plant Management program section item (2). In addition, minimize human activity in suitable habitat if negative impacts are occurring. Close areas, either seasonally or year-round, as needed to protect the species and its habitat, and post and monitor the closure.</p> <p>4) Issuance and review of existing and new permits:</p> <p>a) For review of existing permits, see Special Status Animal and Plant Management program section item (2). If needed, modify existing permits that conflict with achieving or maintaining suitable habitat conditions.</p> <p>b) For new permits, see Special Status Animal and Plant Management program section item (3). Avoid issuing recreation permits if negative impacts are expected. Consider the seasonal nature of the proposed activities, and whether this conflicts with yellow-billed cuckoo conservation needs. In particular, avoid permitting new recreation activities in suitable habitat. If a recreation permit is to be issued, apply stipulations to the permit to support or to not preclude species conservation.</p> <p>5) Take advantage of opportunities as they arise.</p>



Appendix 21c. Yellow-Billed Cuckoo (*Coccyzus americanus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
Recreation Management: Travel Management	<p>1) Activities within the Recreation Management: Travel Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation.</p> <p>2) Manage roads, off-highway vehicle (OHV) routes and areas, as well as non-motorized trails, so as not to preclude species habitat conservation. This includes management of physical facilities, as well as disturbances to the species resulting from human uses.</p> <p>3) Maintain regular compliance checks on OHV closures to protect known populations and to identify problems as soon as possible and take immediate corrective measures.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Review of existing and new roads, OHV routes, and areas and non-motorized trails:</p> <p>a) For existing roads, designated OHV routes and areas, and designated non-motorized trails, see Special Status Animal and Plant Management program section item (2). Modify routes in locations with known populations, if negative impacts are occurring. Evaluate the need for seasonal OHV use restrictions in suitable habitat and, if needed, implement restrictions to reduce disturbance to the species and its habitat. Seek opportunities to close and revegetate OHV routes or non-motorized trails and use areas in suitable habitat, if negative impacts are occurring.</p> <p>b) For new roads, OHV routes and areas, and trails, see Special Status Animal and Plant Management program section item (3). Avoid constructing new roads, trails, routes, and areas if negative impacts are expected. Consider the seasonal nature of the proposed activities, and whether this conflicts with yellow-billed cuckoo conservation needs. In particular, avoid opening new roads, trails, routes, and areas in suitable habitat.</p> <p>3) Ongoing, day-to-day BLM activities.</p>
Visual Resource Management	None	None
Special Designation Area Management	<p>1) Activities within the Special Designation Area Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation.</p> <p>2) Explore the potential for new designations that would enhance species conservation, such as good-condition cottonwood/willow riparian forest.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Take advantage of opportunities as they arise.</p>



Appendix 21c. Yellow-Billed Cuckoo (*Coccyzus americanus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
<p>Fire Management: Fire Suppression</p>	<p>1) Activities within the Fire Management: Fire Suppression program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation. Human life and firefighter safety and property take priority over species protection.</p> <p>2) Fire suppression efforts will be conducted, as possible, to protect yellow-billed cuckoo habitat.</p> <p>3) Coordinate with U.S. Forest Service, Idaho Department of Lands, or other applicable agency personnel regarding fire suppression activities in or near suitable habitat.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Fire management activities:</p> <p>a) Review Fire Management Plan for adequacy in addressing conservation measures. Modify the plan if needed.</p> <p>b) Apply minimum impact suppression tactics (MIST) in suitable habitat, as appropriate. Consult with resource advisors to determine where MIST tactics should be applied to avoid or minimize negative impacts.</p> <p>c) Do not locate fire base camps, staging areas, and fueling areas in suitable habitat. Avoid locating these and other related activities in suitable habitat.</p> <p>3) Ongoing interagency coordination.</p>
<p>Fire Management: Emergency Stabilization and Rehabilitation</p>	<p>1) Activities within the Fire Management: Emergency Stabilization and Rehabilitation program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation.</p> <p>2) Implement Emergency Stabilization and Rehabilitation (ES&R) activities to promote yellow-billed cuckoo habitat rehabilitation.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) ES&R activities:</p> <p>a) If needed and if natural recovery would not achieve habitat objectives, implement ES&R activities to promote rehabilitation of suitable habitat. Plant locally appropriate trees and shrubs, if natural recovery of such vegetation is doubtful.</p> <p>b) As needed, protect disturbed areas using temporary closures or other measures until the cottonwood saplings (and other target tree and shrub species) are re-established and self-sustaining.</p>



Appendix 21c. Yellow-Billed Cuckoo (*Coccyzus americanus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
	3) Fire rehabilitation projects involving the application of pesticides in or adjacent to suitable habitat areas will be analyzed and implemented in accordance with the approach described in the Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.	3) See Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section.
Fire Management: Wildland Fire Use	1) Activities within the Fire Management: Wildland Fire Use program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation. 2) Wildland fire use projects (where allowed) will be designed to conserve suitable yellow-billed cuckoo habitat.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table. 2) When developing wildland fire use plans, avoid burning suitable habitat, and develop appropriate burn prescriptions that maximize the conservation of suitable habitat.
Fire Management: Prescribed Fire	1) Activities within the Fire Management: Prescribed Fire program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation. 2) Prescribed fire projects will be designed to conserve suitable yellow-billed cuckoo habitat and restoration areas.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table. 2) When developing and implementing prescribed fire plans, avoid or minimize negative impacts to suitable habitat, and use prescribed fire as a tool for enhancing restoration areas.
Fire Management: Non-Fire Fuels Management	1) Activities within the Fire Management: Non-Fire Fuels Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation. 2) Implement projects involving the application of pesticides in or adjacent to suitable habitat or restoration areas in accordance with the approach described in the Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section. 3) Promote establishment of vegetation needed to achieve suitable yellow-billed cuckoo habitat.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table. 2) See Soil and Water Resources: Riparian/Wetland Areas (includes weed management) program section. 3) Incorporate conservation actions into the fuels projects, as needed. For example, design seed mixes that will enhance or promote the growth of willows, cottonwoods, or other target shrub and tree species.
Fire Management: Community Assistance	1) Activities within the Fire Management: Community Assistance program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.



Appendix 21c. Yellow-Billed Cuckoo (*Coccyzus americanus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
	2) Follow all measures included throughout the Fire Management program sections.	2) See actions within Fire Management program sections. Incorporate into community assistance agreements.
Lands and Realty Management: Land Tenure Adjustment (land sale, exchanges, withdrawals, etc.)	1) Activities within the Lands and Realty Management: Land Tenure Adjustment (land sale, exchanges, withdrawals, etc.) program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation. 2) Where feasible and funding is available, acquire through land exchange or purchase private lands that support known populations or could enhance habitat for yellow-billed cuckoo. 3) Retain yellow-billed cuckoo habitat in Federal ownership to the extent possible, while balancing other needs.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table. 2) Take advantage of opportunities as they arise. Priority should be given to lands that are adjacent to or near public lands. 3) Review each land tenure decision in terms of species habitat. Retain suitable habitat in public ownership unless compelling circumstances necessitate the land tenure adjustment. If property with suitable habitat is to be transferred out of Federal ownership, permanent conservation easements may be attached to the transfer that would result in equal or greater protection than under Federal management. Such measures must be approved by the State Director.
Lands and Realty Management: Land Use Permits and Leases	1) Activities within the Lands and Realty Management: Land Use Permits and Leases program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation. 2) Issue new land use permits and leases and review existing permits and leases at renewal so as not to preclude species habitat conservation. This includes management of physical facilities, as well as disturbances to the species resulting from human uses.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table. 2) For new permits and renewal of existing permits, see Special Status Animal and Plant Management program section item (3). Avoid issuing new permits or leases, or renewing existing permits or leases, in suitable habitat if negative impacts are expected. Consider the seasonal nature of the proposed activities, and whether this conflicts with yellow-billed cuckoo conservation needs. If a permit or lease is to be issued or re-issued in suitable habitat, apply stipulations to the permit that support or do not preclude species conservation and that avoid or minimize negative impacts.
Lands and Realty Management: Rights-of-Way	1) Activities within the Lands and Realty Management: Rights-of-Way program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation.	1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.



Appendix 21c. Yellow-Billed Cuckoo (*Coccyzus americanus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
	<p>2) Issue new rights-of-way and review existing rights-of-way at renewal so as not to preclude species habitat conservation. This includes management of physical facilities, as well as disturbances to the species resulting from human uses.</p>	<p>2) For new rights-of-way and renewal of existing rights-of-way, see Special Status Animal and Plant Management program section item (3). Avoid issuing rights-of-way, or renewing existing rights-of-way, in suitable habitat if negative impacts are expected. Consider the seasonal nature of the proposed activities, and whether this conflicts with yellow-billed cuckoo conservation needs. If a right-of-way is to be issued or re-issued in suitable habitat, apply stipulations to the right-of-way that support or do not preclude species conservation and that avoid or minimize negative impacts.</p>
<p>Mineral Management: Locatable Minerals</p>	<p>1) Activities within the Mineral Management: Locatable Minerals program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation.</p> <p>2) Approve plans of operations or allow notice level operations so as not to preclude species habitat conservation. This includes management of physical facilities, as well as disturbances to the species resulting from human uses.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Approval of plans of operations and notice-level operations:</p> <p>a) For review of existing plans of operation and notice-level operations, see Special Status Animal and Plant Management program section item (2). To the extent allowed by law, modify plans of operation or notice-level operations that conflict with yellow-billed cuckoo management objectives in suitable habitat. For notice-level operations, notify the operator that modifications to proposed activities will be required to avoid negative impacts.</p> <p>b) For new plans of operation and notice-level operations, see Special Status Animal and Plant Management program section item (3). To the extent allowed by law, avoid approving plans of operation or notice-level operations that conflict with yellow-billed cuckoo management objectives in suitable habitat. Consider the seasonal nature of the proposed activities, and whether this conflicts with yellow-billed cuckoo conservation needs. For notice-level operations, notify the operator that modifications to proposed activities will be required to avoid negative impacts. If a plan of operations is to be approved in suitable habitat, apply stipulations to support or to not preclude species conservation. A notice will require modification by the operator until BLM determines that it will not result in undue or unnecessary degradation.</p>



Appendix 21c. Yellow-Billed Cuckoo (*Coccyzus americanus*).

LUP Programs Evaluated	Conservation Measures	BLM Implementation Actions
Mineral Management: Saleable and Leasable Minerals	<p>1) Activities within the Mineral Management: Saleable and Leasable Minerals program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation.</p> <p>2) Approve development of saleable or leasable minerals so as not to preclude species habitat conservation. This includes management of physical facilities, as well as disturbances to the species resulting from human uses.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p> <p>2) Approval of saleable and leasable minerals:</p> <p>a) For review of existing mineral leases, see Special Status Animal and Plant Management program section item (2). Modify existing mineral leases if negative impacts are occurring.</p> <p>b) For new sales or leases, see Special Status Animal and Plant Management program section item (3). Avoid development of saleable or leasable minerals in suitable habitat if negative impacts are expected. Consider the seasonal nature of the proposed activities, and whether this conflicts with yellow-billed cuckoo conservation needs. If a minerals lease or sale is to be issued in suitable habitat, apply stipulations to support or to not preclude species conservation.</p>
Cultural Management	<p>1) Activities within the Cultural Management program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p>
Paleontology	<p>1) Activities within the Paleontology program will implement relevant conservation measures as described in the Special Status Animal and Plant Management program section to promote conservation.</p>	<p>1) Apply relevant conservation measures from the Special Status Animal and Plant Management program section at the beginning of this table.</p>

