

**Barry M. Goldwater Range  
Integrated Natural Resources Management Plan and Environmental Impact Statement  
Draft Alternative Management Strategies**

<b>MANAGEMENT ELEMENTS REQUIRED OF ALL ALTERNATIVE STRATEGIES</b>				
<b>All Alternative Management Strategies Must:</b>	<ul style="list-style-type: none"> <li>• comply with federal statutory requirements (such as the Endangered Species Act, Clean Air Act, etc.), Department of Defense (DoD) policy and guidance, the National Environmental Policy Act of 1970 (NEPA) Military Lands Withdrawal Act (MLWA) of 1999 (P.L. 106-65), and the Sikes Act Improvement Act of 1997 (16 U.S.C. 670a et seq.) as well as State and local statutory requirements (such as air and water quality standards, hunting regulations, and requiring all campsites to be more than ¼-mile away from water sources)</li> <li>• support the military mission and ensure no net loss in military training capabilities</li> <li>• exclude appropriative land uses (such as mining, mineral leasing, or livestock grazing) as provided by the MLWA of 1999</li> <li>• adhere to the policy-based and range-wide resource management goals established for the Integrated Natural Resources Management Plan (INRMP) and Environmental Impact Statement (EIS)</li> <li>• continue the provision of adhering to existing compliance decisions and agreements unless modified through future compliance actions</li> <li>• incorporate the principles of ecosystem management to conserve and protect a naturally functioning ecosystem</li> <li>• require that public access and use of natural resources/Barry M. Goldwater Range (BMGR) lands be compatible with mission activities and other considerations such as security, safety, and resource conservation and protection goals</li> <li>• implement the Integrated Cultural Resources Management Plan for the BMGR</li> <li>• prohibit commercial tour operations on the BMGR until a range policy is developed to permit or restrict this use</li> <li>• adhere to compatibility standards that are developed to ensure non-military activities are protective of natural and cultural resources</li> </ul>			
<b>PHILOSOPHY AND SUMMARY OF EACH MANAGEMENT STRATEGY:</b> Each alternative management strategy would provide an environment that fully supports the military purposes of the BMGR. With the exception of locations required for military support functions, that environment would be managed to maintain predominantly natural conditions.				
	<b>Strategy A</b>	<b>Strategy B</b>	<b>Strategy C</b>	<b>Strategy D</b>
<b>Philosophy</b>	Continue existing management practices	Allow public access and use opportunities to increase, compatible with sustaining a healthy natural environment, and continue most existing management practices	Balance access and use and opportunities with a shift towards resource conservation management practices	Maximize resource conservation management practices at the expense of some public access and use opportunities
<b>Summary</b>	<p>Natural and cultural resources management would continue under the guidances provided by the 1990 Lower Gila South Resource Management Plan (Goldwater Amendment), 1997 Lechuguilla-Mohawk Habitat Management Plan (HMP), 1999 draft Barry M. Goldwater East HMP, 1997 Flat-tailed Horned Lizard Rangewide Management Strategy, and various compliance decisions. DoD agencies would adopt the provisions of these plans, as modified to comply with Sikes Act requirements. In general, continued management under these guidances would:</p> <ol style="list-style-type: none"> <li>1. implement the resource management practices outlined in the Goldwater Amendment and Lechuguilla-Mohawk and Barry M. Goldwater East HMPs</li> <li>2. support existing recreation opportunities</li> <li>3. maintain the existing motorized access and road network pending development of a transportation plan</li> <li>4. redesignate the existing Areas of Critical Environmental Concern (ACECs), Special Recreation Management Areas (SRMAs), and Backcountry Byway as special natural/interest areas</li> <li>5. limit future special natural/interest area designations to those necessary to meet environmental compliance requirements and support continuation of the military mission (i.e., HMAs)</li> </ol>	<p>Strategy B would allow for increased public access and recreation use opportunities compatible with sustaining a functioning natural ecosystem. Most ongoing natural and cultural resource management practices would be continued. These practices would:</p> <ol style="list-style-type: none"> <li>1. be limited to those resource protection and conservation measures necessary to achieve basic regulatory compliance</li> <li>2. support a wide spectrum of recreation opportunities</li> <li>3. maintain existing motorized public access and consider establishing additional roads for public access to locations not currently served</li> <li>4. allow special management designations for ACECs, SRMAs, and Backcountry Byway to expire and manage the affected lands with special provisions, but retain existing Habitat Management Area (HMA) and existing HMA management provisions</li> <li>5. limit future special natural/interest area designations to those necessary to meet environmental compliance requirements and support continuation of the military mission (i.e., HMAs)</li> </ol>	<p>Strategy C would provide a balanced mix of public access and use opportunities and conservation priorities. Natural and cultural resources management practices would:</p> <ol style="list-style-type: none"> <li>1. assign a balanced mix of management priorities to enable resource use and to meet conservation objectives</li> <li>2. support a wide spectrum of recreation opportunities</li> <li>3. maintain the existing extent of motorized public access except that excessive road redundancy would be eliminated in localized areas</li> <li>4. redesignate ACECs as special natural/interest areas with management provisions appropriate to conserving resources within the areas and retain HMA and existing HMA management provisions, but allow SRMAs and Backcountry Byway to expire and manage the affected lands with special provisions</li> <li>5. consider future special natural/interest area designations on an as-needed basis consistent with environmental compliance and military mission requirements</li> </ol>	<p>Strategy D would emphasize resource conservation and protection priorities. Natural and cultural resources management practices would:</p> <ol style="list-style-type: none"> <li>1. assign management priority to the protection of natural communities and plan and wildlife species that are identified as conservation elements for the BMGR</li> <li>2. support a wide spectrum of recreational activities, compatible with conservation priorities</li> <li>3. maximize the conservation of unroaded areas within the BMGR by closing roads not needed to support the military mission or other specific agency requirements</li> <li>4. redesignate ACECs, SRMAs, and Backcountry Byway as special natural/interest areas with management provisions appropriate to conserving resources within the areas and retain HMA and existing HMA management provisions</li> <li>5. add, as appropriate, new special natural/interest area designations to other BMGR locations</li> </ol>

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<b>RESOURCE MONITORING MANAGEMENT STRATEGIES</b>				
	<b>Strategy A</b>	<b>Strategy B</b>	<b>Strategy C</b>	<b>Strategy D</b>
<b>Resource Monitoring</b>	<ul style="list-style-type: none"> <li>Implement and continue monitoring programs established under the Lechuguilla Mohawk HMP or planned under the Draft Barry M. Goldwater East HMP for water hole dependability, wildlife population censuses, bat gate effectiveness, presence of rare and threatened/ endangered plant/animal species, and ground and habitat disturbance</li> </ul>	Same as Strategy A, plus: <ul style="list-style-type: none"> <li>Develop and implement systems to monitor the effectiveness of compliance actions</li> </ul>	Same as Strategy B, plus: <ul style="list-style-type: none"> <li>Develop and implement a limits of acceptable change system to monitor key indicators of environmental effects of ongoing military and civilian use of the BMGR</li> <li>Use the findings of monitoring to develop adaptive management responses to emerging resource conservation and protection problems</li> <li>Expand the monitoring system to detect trends within the BMGR ecosystem that would indicate overall biodiversity and health</li> </ul>	Same as Strategy C, plus: <ul style="list-style-type: none"> <li>Specifically monitor ecological recovery and trends in locations where uses have been limited relative to locations where such activities continue</li> <li>Develop the ecosystem monitoring system for the BMGR within the context of monitoring and management activities elsewhere within the greater Sonoran Desert Ecoregion</li> </ul>
<b>SPECIAL NATURAL/INTEREST AREAS MANAGEMENT STRATEGIES</b>				
	<b>Strategy A</b>	<b>Strategy B</b>	<b>Strategy C</b>	<b>Strategy D</b>
<b>Special Natural/Interest Areas</b>	<ul style="list-style-type: none"> <li>Retain designations of Mohawk Mountains and Sand Dunes, Tinajas Altas, and Gran Desierto Dunes ACECs; Yuma Desert and Sand Dunes HMA, Crater Range SRMA and the remaining portions of the Sentinel Plain SRMA; and El Camino del Diablo Backcountry Byway</li> <li>Retain applicable special management provisions</li> </ul>	<ul style="list-style-type: none"> <li>Allow existing special resource management areas (ACECs, SRMAs, and Backcountry Byway) to expire on 6 November 2001</li> <li>Retain flat-tailed horned lizard HMA and related management provisions</li> <li>Manage former ACECs, SRMAs, and Backcountry Byway without special provisions</li> <li>Designate future special natural/interest areas only as required for regulatory compliance</li> </ul>	<ul style="list-style-type: none"> <li>Redesignate ACECs as special natural/interest areas and implement special management provisions, but allow the SRMAs and Backcountry Byway to expire</li> <li>Retain flat-tailed horned lizard HMA and related management provisions</li> <li>Designate future special natural/interest areas only as required for regulatory compliance</li> </ul>	<ul style="list-style-type: none"> <li>Redesignate ACECs, SRMAs, the Backcountry Byway, and HMA as special natural/interest areas and implement special management provisions</li> <li>Retain flat-tailed horned lizard HMA and related management provisions</li> <li>Evaluate the potential for expanding existing or establishing additional special natural/interest areas based at least in part on the natural communities and plant and wildlife species that are identified as conservation elements for the BMGR</li> </ul>
<b>MOTORIZED PUBLIC ACCESS AND VISITOR CAMPING MANAGEMENT STRATEGIES</b>				
	<b>Strategy A: Areas Managed With Existing Access</b>	<b>Strategy B: Areas Managed With Increased Access</b>	<b>Strategy C: Areas Managed With Balanced Access and Conservation</b>	<b>Strategy D: Areas Managed With Increased Conservation</b>
<b>Motorized Public Access and Unroaded Area Management</b>	<ul style="list-style-type: none"> <li>Minimize new road construction by coordinating access needs and avoiding conflicts and replication in road use</li> <li>Develop a transportation plan to facilitate effective management of an appropriate road system with a provision to close roads not meeting land management, public, or military needs</li> </ul>	<ul style="list-style-type: none"> <li>Retain entire existing road network</li> <li>Retain existing level of motorized public access unless a compliance issue arises</li> <li>Allow future motorized public access to currently restricted locations if changes in military activities eliminate safety or security restrictions in those locations</li> <li>Evaluate the foreseeable need for and generalized effect of developing additional roads for motorized public or agency use in general terms; proposals for construction of such roads would be reviewed in detail in accordance with NEPA on a case-by-case and site-specific basis</li> </ul>	<ul style="list-style-type: none"> <li>Retain the majority of existing motorized public access unless a compliance issue arises</li> <li>Restrict access on redundant roads in localized areas</li> <li>Allow future motorized public access to currently restricted locations if changes in military activities eliminate safety or security restrictions in those locations</li> <li>Evaluate the foreseeable need for and generalized effect of developing additional roads for agency purposes in general terms; proposals for construction of such roads would be reviewed in detail in accordance with NEPA on a case-by-case and site-specific basis</li> <li>Evaluate allowing public use of new roads developed for agency purposes in general terms</li> </ul>	<ul style="list-style-type: none"> <li>Limit motorized public access to those roads that are also necessary for military mission or other specific agency requirement</li> <li>Close roads not meeting land management or military needs</li> <li>Implement increased public education and enforcement measures, including public education on the wildlife values of unroaded areas</li> <li>Prohibit development of new public use roads</li> </ul>

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<b>MOTORIZED PUBLIC ACCESS AND VISITOR CAMPING MANAGEMENT STRATEGIES (Continued)</b>				
	<b>Strategy A: Areas Managed With Existing Access</b>	<b>Strategy B: Areas Managed With Increased Access</b>	<b>Strategy C: Areas Managed With Balanced Access and Conservation</b>	<b>Strategy D: Areas Managed With Increased Conservation</b>
<b>Motorized Public Access and Unroaded Area Management (Continued)</b>			<ul style="list-style-type: none"> <li>Conserve existing unroaded areas of 3,000 acres or more to the extent they are compatible with military or agency requirements</li> </ul>	<ul style="list-style-type: none"> <li>Maintain existing blocks of unroaded areas of 3,000 acres or more to the extent they are compatible with military or agency requirements</li> <li>Restore closed roads where feasible and prudent</li> <li>Create new blocks of unroaded areas by closing roads that are not needed to satisfy military or agency requirements and/or that would restore a degraded ecological process or enhance wildlife usage</li> </ul>
<b>Camping and Visitor Stay Limits</b>	<ul style="list-style-type: none"> <li>Allow dispersed self-contained (i.e., non-vehicle-based, such as backpacking) camping in all areas open to the public</li> <li>Allow vehicle-based camping within 50 feet of existing roads designated as open to public use</li> <li>Limit camping stays to 14 consecutive days within a 28-day period</li> </ul>	<ul style="list-style-type: none"> <li>Allow dispersed self-contained camping in all areas open to the public</li> <li>Allow vehicle-based camping within 100 feet of existing roads designated as open to public use</li> <li>Limit all camping stays to 31 consecutive days</li> <li>Define and prescribe reasonable rules for the disposal of human sewage and solid waste in accordance with applicable federal, state, and local regulations</li> </ul>	<ul style="list-style-type: none"> <li>Allow dispersed self-contained camping in all areas open to the public</li> <li>Allow vehicle-based camping within 50 feet of existing roads designated as open to public use</li> <li>Assess benefits and effects of restricting vehicle-based camping within special natural/interest areas to designated locations and implement a decision based on the findings</li> <li>Limit vehicle-based camping stays to 14 consecutive days</li> <li>Require all campsites to be more than ¼-mile away from designated natural and cultural resources that are sensitive to impacts arising from human-induced disturbances</li> <li>Define and prescribe reasonable rules for the disposal of human sewage and solid waste in accordance with applicable federal, state, and local regulations</li> </ul>	<ul style="list-style-type: none"> <li>Allow dispersed self-contained camping in all areas open to the public</li> <li>Allow vehicle-based camping within 25 feet of most existing roads designated as open to public use; restrict camping along certain road segments for resource protection purposes</li> <li>Assess benefits and effects of establishing designated camping areas and implement a decision based on the findings.</li> <li>Limit vehicle-based camping stays to 7 consecutive days</li> <li>Require all campsites to be more than ¼-mile away from designated natural and cultural resources that are sensitive to impacts arising from human-induced disturbances</li> <li>Define and prescribe reasonable rules for the disposal of human sewage and solid waste in accordance with applicable federal, state, and local regulations</li> </ul>
<b>PUBLIC USE MANAGEMENT STRATEGIES</b>				
	<b>Strategy A</b>	<b>Strategy B</b>	<b>Strategy C</b>	<b>Strategy D</b>
<b>Recreation Services and Use Supervision</b>	<ul style="list-style-type: none"> <li>Prohibit public off-road vehicle travel</li> <li>Prohibit on- and off-road racing</li> <li>Allow motorized public travel in dry streambeds and wash bottoms in accordance with the Draft Barry M. Goldwater East HMP</li> <li>Require a special use permit for a single party with 50 or more vehicles</li> <li>Require compliance with general vehicle operating rules, which include requiring all vehicles and operators to be licensed for highway driving under Arizona laws and regulations and prohibiting the operation of vehicles in a manner that is reckless, careless, negligent, or likely to cause damage to natural or cultural resources</li> <li>Retain existing permit system</li> <li>Issue special recreation use permits, as appropriate</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate the need for and effects of allowing public off-road vehicle travel in designated areas</li> <li>Prohibit on- and off-road racing</li> <li>Allow motorized public travel in designated washes, when dry</li> <li>Require a special use permit for a single party with 30 or more vehicles</li> <li>Require compliance with general vehicle operating rules, which include requiring all vehicles and operators to be licensed for highway driving under Arizona laws and regulations and prohibiting the operation of vehicles in a manner that is reckless, careless, negligent, or likely to cause damage to natural or cultural resources</li> <li>Retain existing permit system, but implement measures to make the permits easier to obtain</li> <li>Issue special recreation use permits, as appropriate</li> </ul>	<ul style="list-style-type: none"> <li>Prohibit public off-road vehicle travel</li> <li>Prohibit on- and off-road racing</li> <li>Restrict motorized public travel in all washes, except where the wash is an integral part of a road open to the public and is dry</li> <li>Require a special use permit for a single party with 20 or more vehicles</li> <li>Require compliance with general vehicle operating rules, which include requiring all vehicles and operators to be licensed for highway driving under Arizona laws and regulations and prohibiting the operation of vehicles in a manner that is reckless, careless, negligent, or likely to cause damage to natural or cultural resources</li> <li>Retain existing permit system</li> <li>Issue special recreation use permits, as appropriate</li> </ul>	<ul style="list-style-type: none"> <li>Prohibit public off-road vehicle travel</li> <li>Prohibit on- and off-road racing</li> <li>Restrict motorized public travel in all washes, except where the wash is an integral part of a road open to the public and is dry</li> <li>Require a special use permit for a single party with 10 or more vehicles</li> <li>Require compliance with general vehicle operating rules, which include requiring all vehicles and operators to be licensed for highway driving under Arizona laws and regulations and prohibiting the operation of vehicles in a manner that is reckless, careless, negligent, or likely to cause damage to natural or cultural resources</li> <li>Retain existing permit system</li> <li>Issue special recreation use permits, as appropriate</li> </ul>

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	<b>Strategy A</b>	<b>Strategy B</b>	<b>Strategy C</b>	<b>Strategy D</b>
<b>Recreation Services and Use Supervision (Continued)</b>	<ul style="list-style-type: none"> <li>• Provide the public with up-to-date visitor use maps and rules and regulations</li> <li>• Establish an environmental education program</li> <li>• Enforce all public access permit requirements and regulations</li> <li>• Develop an action plan for interagency law enforcement</li> <li>• Develop a BMGR sign plan, implement a signing program based on identified sign needs</li> <li>• Implement appropriate public safety protection measures</li> </ul>	<ul style="list-style-type: none"> <li>• Retain existing public education and recreation use information programs which includes BMGR ecology and natural and cultural resource protection information programs</li> <li>• Retain a minimum of two full-time law enforcement positions dedicated to the BMGR</li> <li>• Retain existing levels of resource protection law enforcement unless a compliance issue arises</li> <li>• Retain existing interpretation and signs unless there is a public safety issue</li> <li>• Retain existing gates and fences unless additional gates and fencing are needed for safety or compliance reasons</li> <li>• Evaluate the feasibility of allowing public entry to mines where such use is compatible with safety and resource protection requirements; if feasible, implement a program for such use under special use permit provisions</li> </ul>	<ul style="list-style-type: none"> <li>• Implement increased public education and recreation use information programs, particularly to inform the public about road restrictions</li> <li>• Retain a minimum of four full-time law enforcement positions dedicated to the BMGR</li> <li>• Develop and implement limits-of-acceptable change monitoring to guide recreation use management and protect natural and cultural resources</li> <li>• Assess requirements for signs or other measures to indicate road restrictions; implement management actions based on findings</li> <li>• Assess the need for and effects of additional gates and fencing to control entry and use; erect as needed</li> <li>• Develop and maintain recreation use records and statistics</li> <li>• Prohibit use of metal detectors</li> <li>• Prohibit entry to mines</li> </ul>	<ul style="list-style-type: none"> <li>• Implement increased public education and recreation use information programs, particularly to inform the public about road restrictions</li> <li>• Retain a minimum of six full-time law enforcement positions dedicated to the BMGR</li> <li>• Develop and implement limits-of-acceptable change monitoring to guide recreation use management and protect natural and cultural resources</li> <li>• Assess requirements for signs or other measures to indicate road restrictions; implement management actions based on findings</li> <li>• Assess the need for and effects of additional gates and fencing to control entry and use; erect as needed</li> <li>• Develop and maintain recreation use records and statistics</li> <li>• Prohibit use of metal detectors</li> <li>• Prohibit entry to mines</li> </ul>
<b>Rockhounding (Surface Removal Only)</b>	<ul style="list-style-type: none"> <li>• Surface rock removal limited to 24 pounds plus one piece</li> </ul>	<ul style="list-style-type: none"> <li>• Allow surface rockhounding (i.e., no subsurface excavation) for personal (i.e., non-commercial) purposes to occur in any location open to the public as long as no compliance issue arises</li> </ul>	<ul style="list-style-type: none"> <li>• Restrict surface rockhounding for personal (i.e., non-commercial) purposes from special natural/interest and other designated natural and cultural resource areas that are sensitive to impacts arising from human-induced disturbances</li> </ul>	<ul style="list-style-type: none"> <li>• Prohibit rockhounding</li> </ul>
<b>Wood Cutting, Gathering, and Firewood Use</b>	<ul style="list-style-type: none"> <li>• Prohibit woodcutting or wood collection for commercial or domestic use</li> <li>• Permit campfires using dead and downed wood</li> <li>• Prohibit collection of firewood in redesignated ACECs and other special natural/interest areas</li> </ul>	<ul style="list-style-type: none"> <li>• Allow for wood cutting, gathering, and firewood use as long as wood is used at a sustainable rate and no regulatory compliance issue arises</li> <li>• Prohibit removal of wood from the range</li> </ul>	<ul style="list-style-type: none"> <li>• Allow using dead and downed wood for campfires on the range</li> <li>• Prohibit collection of firewood in special natural/interest areas</li> <li>• Prohibit all other forms of wood cutting or wood collection</li> <li>• Prohibit removal of wood from the range</li> <li>• Monitor native wood supplies in high-use camp areas; restrict if habitat depletion becomes critical or scenic views become impaired</li> </ul>	<ul style="list-style-type: none"> <li>• Prohibit wood cutting, and wood gathering throughout the BMGR, prohibit native wood campfires</li> <li>• Prohibit removal of wood from the range</li> </ul>
<b>Hunting</b>	<ul style="list-style-type: none"> <li>• Continue existing game management programs</li> </ul>	<ul style="list-style-type: none"> <li>• Continue existing game management programs</li> <li>• Assess the need for a special hunting permit program that requires payment of nominal fees to be used for the protection, conservation, and management of wildlife, including habitat improvement and related activities on the BMGR; implement/manage actions as indicated by the assessment results</li> <li>• Evaluate the effects of non-game species collection on wildlife, habitat, and other resources and, if indicated, limit or restrict collection activities within the authority of state law</li> </ul>	Same as Strategy B	<ul style="list-style-type: none"> <li>• Continue existing game management programs</li> <li>• Assess the need for a special hunting permit program that requires payment of nominal fees to be used for the protection, conservation, and management of wildlife, including habitat improvement and related activities on the BMGR; implement/manage actions as indicated by the assessment results</li> <li>• Prohibit non-game species collection</li> </ul>

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	<b>Strategy A</b>	<b>Strategy B</b>	<b>Strategy C</b>	<b>Strategy D</b>
<b>Recreational Shooting</b>	<ul style="list-style-type: none"> <li>Allow recreational shooting to occur under existing regulations as long as it is compatible with military use and there is no public safety issue</li> </ul>	<ul style="list-style-type: none"> <li>Allow recreational shooting to occur under existing regulations as long as it is compatible with military use and there is no public safety issue</li> </ul>	<ul style="list-style-type: none"> <li>Assess importance and character of recreational shooting as an activity/issue to determine the appropriateness of this activity on the BMGR and implement a decision based on the findings</li> <li>Prohibit automatic weapons, except with special use permit</li> <li>Consider designating specific shooting area(s)</li> <li>Prohibit recreational shooting between sunset and sunrise, except with special use permit</li> </ul>	<ul style="list-style-type: none"> <li>Prohibit recreational shooting activities (not to include hunting)</li> </ul>
<b>UTILITY AND TRANSPORTATION CORRIDOR MANAGEMENT STRATEGIES</b>				
	<b>Strategy A</b>	<b>Strategy B</b>	<b>Strategy C</b>	<b>Strategy D</b>
<b>Utility/Transportation Corridors</b>	<ul style="list-style-type: none"> <li>Restrict construction of non-military overhead transmission lines to paralleling the existing Gila Bend to Ajo transmission line and non-military underground facilities to the west of and parallel to the Tucson Cornelia and Gila Bend Railroad</li> <li>Require appropriate field examinations and/or environmental assessments for utility/transportation corridor proposals</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate proposals to develop additional utility/transportation corridors on a case-by-case basis</li> <li>Establish a protocol consistent with NEPA requirements for reviewing/approving proposed actions related to transportation and utility corridors</li> </ul>	<ul style="list-style-type: none"> <li>Restrict all future utility/transportation corridor development to existing corridors, except as needed to meet military mission requirements</li> <li>Establish a protocol consistent with NEPA requirements for reviewing/approving proposed actions within existing corridors</li> <li>Restrict construction of overhead transmission lines to paralleling the existing Gila Bend to Ajo transmission line and non-military underground facilities to the west of and parallel to the Tucson Cornelia and Gila Bend Railroad</li> </ul>	<ul style="list-style-type: none"> <li>Prohibit the development of new utility/transportation corridors</li> <li>Establish a protocol consistent with NEPA requirements for reviewing/approving proposed actions within existing corridors</li> <li>Restrict construction of overhead transmission lines to paralleling the existing Gila Bend to Ajo transmission line and non-military underground facilities to the west of and parallel to the Tucson Cornelia and Gila Bend Railroad</li> </ul>
<b>VEGETATION AND WILDLIFE MANAGEMENT STRATEGIES</b>				
	<b>Strategy A</b>	<b>Strategy B</b>	<b>Strategy C</b>	<b>Strategy D</b>
<b>General Vegetation, Wildlife, Wildlife Habitat, and Wildlife Waters</b>	<ul style="list-style-type: none"> <li>Evaluate the cumulative impacts of land disturbance on wildlife habitat in order to establish criteria for protection of important habitat</li> <li>Establish wildlife inventories and monitoring for game and non-game species</li> <li>Update vegetation map with newly gathered botanical information</li> <li>Eliminate all trespass grazing by livestock</li> <li>Implement the habitat management activities prescribed by the Lechuguilla-Mohawk HMP</li> <li>Finalize and implement the habitat management activities prescribed by the Barry M. Goldwater East HMP</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate the cumulative impacts of land disturbance on wildlife habitat in order to establish criteria for protection of important habitat</li> <li>Establish wildlife inventories and monitoring for game and non-game species</li> <li>Update vegetation map with newly gathered botanical information</li> <li>Eliminate all trespass grazing by livestock</li> <li>Conduct surveys for, establish control priorities for, prevent the introduction of, and monitor populations of invasive species and develop coordinated strategies to locally eradicate and/or control the spread of these species commensurate with the threats they pose to natural resources on the BMGR and within the greater Sonoran Desert Ecoregion</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate the cumulative impacts of land disturbance on wildlife habitat in order to establish criteria for protection of important habitat</li> <li>Establish and conduct vegetation and wildlife surveys and monitoring for all key species and natural communities and update maps and databases as appropriate</li> <li>Eliminate all trespass grazing by livestock</li> <li>Conduct surveys for, establish control priorities for, prevent the introduction of, and monitor populations of invasive species and develop coordinated strategies to locally eradicate and/or control the spread of these species commensurate with the threats they pose to natural resources on the BMGR and within the greater Sonoran Desert Ecoregion</li> <li>Identify key areas (e.g., pronghorn concentration areas, fawning grounds, wildlife corridors) and implement additional restrictions on activities as needed to protect and conserve habitat, ecosystems, and biodiversity</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate the cumulative impacts of land disturbance on wildlife habitat in order to establish criteria for protection of important habitat</li> <li>Establish and conduct vegetation and wildlife surveys and monitoring for all key species and natural communities and update maps and databases as appropriate</li> <li>Eliminate all trespass grazing by livestock</li> <li>Conduct surveys for, establish control priorities for, prevent the introduction of, and monitor populations of invasive species and develop coordinated strategies to locally eradicate and/or control the spread of these species commensurate with the threats they pose to natural resources on the BMGR and within the greater Sonoran Desert Ecoregion</li> <li>Identify key areas (e.g., pronghorn concentration areas, fawning grounds, wildlife corridors) and implement additional restrictions on activities as needed to protect and conserve habitat, ecosystems, and biodiversity</li> <li>Implement vegetation and wildlife habitat restoration efforts for areas that have been damaged by a discontinued military, agency, or intensive public use</li> </ul>

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<b>VEGETATION AND WILDLIFE MANAGEMENT STRATEGIES (Continued)</b>				
	<b>Strategy A</b>	<b>Strategy B</b>	<b>Strategy C</b>	<b>Strategy D</b>
<b>General Vegetation, Wildlife, Wildlife Habitat, and Wildlife Waters (Continued)</b>	<ul style="list-style-type: none"> <li>Implement the wildlife water developments prescribed by the Lechuguilla-Mohawk and Draft Barry M. Goldwater East HMPs. This includes the construction of up to five new waters (six were planned, one has been constructed) plus the repair, redesign, and/or redevelopment of three existing wildlife waters within BMGR—West and the development of 15 new waters and the repair, redesign, and/or redevelopment of 12 existing waters within BMGR—East</li> </ul>	<ul style="list-style-type: none"> <li>Implement the wildlife water developments prescribed by the Lechuguilla-Mohawk and Draft Barry M. Goldwater East HMPs</li> <li>Consider implementation of additional wildlife water developments</li> </ul>	<ul style="list-style-type: none"> <li>Restrict implementation of the wildlife water developments prescribed by the Lechuguilla-Mohawk and Draft Barry M. Goldwater East HMPs to six high priority projects during the first five-year term of the INRMP</li> <li>Conduct a thorough review of literature and implement studies to determine benefits and adverse effects of wildlife waters with the intent of providing information to be used in determining the value of developing, maintaining, or removing water developments in the first five-year term of the INRMP</li> <li>Continue wildlife water research as needed after the five-year term of the INRMP</li> <li>Establish an agency panel to review available data and come to a consensus on a five-year basis whether sufficient evidence exists to suspend planned water developments or remove existing developments</li> <li>Elevate the water development issue to the BMGR Executive Council (BEC) if the agency panel cannot reach a consensus on whether to continue, suspend, or remove wildlife water developments</li> </ul>	<ul style="list-style-type: none"> <li>Suspend implementation of wildlife water developments for the first five-year term of the INRMP</li> <li>Conduct a thorough review of literature and implement studies to determine benefits and adverse effects of wildlife waters with the intent of providing information to be used in determining the value of developing, maintaining, or removing water developments in the first five-year term of the INRMP</li> <li>Continue wildlife water research as needed after the five-year term of the INRMP</li> <li>Establish an agency panel to review available data and come to a consensus on a five-year basis whether to continue suspension of wildlife water developments, begin developing waters, or remove existing waters</li> <li>Elevate the water development issue to the BEC if the agency panel cannot reach a consensus to continue suspension of wildlife water developments, implement developments, or remove developments (on a five-year basis)</li> </ul>
<b>Special Status Species</b>	<ul style="list-style-type: none"> <li>Authorize predator control if necessary to protect an endangered species</li> <li>Support continued Sonoran pronghorn monitoring and recovery efforts</li> <li>Avoid new surface disturbing activities within six miles of permanent water sources and within the range of the Sonoran pronghorn</li> <li>Inventory, categorize and manage desert tortoise consistent with Desert Tortoise Habitat Management on the Public Lands: A Rangeland Plan</li> </ul>	<ul style="list-style-type: none"> <li>Meet all existing and future compliance requirements for the protection and conservation of special status species, including all mandatory provisions of existing and future biological opinions, conservation agreements, etc.</li> <li>Conduct surveys for special status species on an as-needed basis</li> <li>Maintain an updated list of special status species that potentially occur on the BMGR</li> </ul>	<p>Same as Strategy B, plus:</p> <ul style="list-style-type: none"> <li>Provide resources, as necessary, for predator control to protect a special status species</li> <li>Maintain an updated list of special status species that potentially occur on the BMGR</li> <li>Initiate and/or continue surveys to determine the distribution and abundance for special status species (i.e., the Acuña cacti) in appropriate habitat areas</li> </ul>	<p>Same as Strategy C</p>
<b>SOIL, WATER, AIR, VISUAL, AND WILDFIRE RESOURCE MANAGEMENT STRATEGIES</b>				
	<b>Strategy A</b>	<b>Strategy B</b>	<b>Strategy C</b>	<b>Strategy D</b>
<b>Soil and Water Resources</b>	<ul style="list-style-type: none"> <li>Restrict the operation of motorized vehicles and heavy equipment to established roads and previously impacted areas, except when related to a specific permitted project</li> <li>Assess project site soils for their vulnerability to soil disruption and subsequent wind and water erosion; take measures to minimize soil disturbances</li> <li>Update soils map when data collected during site evaluations</li> <li>Use specific techniques to minimize soil disturbance on previously unimpacted soils</li> <li>Keep groundwater development and exploration to a minimum in ACECs and other environmentally sensitive areas</li> <li>Monitor water table levels</li> </ul>	<p>Same as Strategy A, plus:</p> <ul style="list-style-type: none"> <li>Restrict or modify activities as necessary to comply with statutory requirements for soil and water resources</li> </ul>	<p>Same as Strategy B, plus:</p> <ul style="list-style-type: none"> <li>Take measures to prevent soil/water contamination or erosion resulting from public vehicle use or other public-use activities</li> </ul>	<p>Same as Strategy C, plus:</p> <ul style="list-style-type: none"> <li>Conduct a range-wide soil survey using Natural Resource Conservation Service (NRCS) standards to provide baseline information on soil types, erosion risks, and suitability for various activities</li> <li>Develop a map showing areas of high soil erosion risk and prohibit new land use activities in the highest risk areas</li> <li>Restrict vehicular and construction activities when soils are vulnerable to erosion, such as following heavy rain</li> <li>Restore areas where vehicle use has caused erosion, closing roads if necessary</li> </ul>

**Barry M. Goldwater Range  
Integrated Natural Resources Management Plan and Environmental Impact Statement  
Draft Alternative Management Strategies**

<b>SOIL, WATER, AIR, VISUAL, AND WILDFIRE RESOURCE MANAGEMENT STRATEGIES (Continued)</b>				
	<b>Strategy A</b>	<b>Strategy B</b>	<b>Strategy C</b>	<b>Strategy D</b>
<b>Air Resources</b>	<ul style="list-style-type: none"> <li>Control excessive fugitive dust at permitted construction sites and recreation activity areas</li> <li>Develop Best Management Practices for activities with potential for generating non-point source pollution</li> </ul>	No special management objectives	<ul style="list-style-type: none"> <li>Assess the need for fugitive dust control measures in areas of extensive use where fine-grained soils result in dust problems</li> </ul>	Same as Strategy C, plus: <ul style="list-style-type: none"> <li>Monitor air quality trends and avoid new activity in areas of deteriorated air quality</li> <li>Use dust palliatives to control excessive fugitive dust generated on heavily traveled roads and construction sites and evaluate the environmental impacts of the control measures</li> </ul>
<b>Visual Resources</b>	<ul style="list-style-type: none"> <li>Protect mountain vistas from visual intrusion</li> <li>Lessen, prevent, or mitigate further degradation of visual resources</li> <li>Use already disturbed and impacted land areas</li> <li>Establish visual resource management classes for the BMGR</li> </ul>	Same as Strategy A, plus: <ul style="list-style-type: none"> <li>Assess the effects of new actions on visual resources as required by regulatory compliance processes and implement needed management or mitigation actions</li> </ul>	Same as Strategy B, plus: <ul style="list-style-type: none"> <li>Adopt interim visual resource management (VRM) classification for the BMGR as developed in the renewal of the range land withdrawal</li> <li>Apply VRM criteria to new projects</li> </ul>	Same as Strategy C, plus: <ul style="list-style-type: none"> <li>Restrict non-military activities that would further deteriorate visual resource qualities within or visible from unroaded areas and avoid such impacts as a result of military actions to the extent compatible with the military mission</li> <li>Restore visual resource impacts within or visible from unroaded areas to the extent compatible with the military mission</li> </ul>
<b>Wildfire Management</b>	<ul style="list-style-type: none"> <li>Suppress wildfires with the lowest acreage loss and in the most cost-effective and efficient manner</li> </ul>	<ul style="list-style-type: none"> <li>Develop a range-wide fire management plan based on the indications of the best known science and management practices that establishes fire prevention, suppression, recovery, mapping, monitoring, and possible mitigation protocols for both human and non-human caused fires in accordance with the threat to human life, property, and natural and cultural resources</li> </ul>	Same as Strategy B	Same as Strategy C
<b>PERIMETER LAND USE MANAGEMENT AND REGIONAL PLANNING STRATEGIES</b>				
	<b>Strategy A</b>	<b>Strategy B</b>	<b>Strategy C</b>	<b>Strategy D</b>
<b>Perimeter Land Use, Encroachment, and Regional Planning</b>		<ul style="list-style-type: none"> <li>Assess the implications of adjacent land use plans and changes for natural and cultural resources management on the BMGR as these plans are published or changes implemented</li> <li>Develop and implement management responses to adjacent land use plans and changes as necessary to protect and conserve BMGR natural and cultural resources</li> <li>Interact with off-range land owners and/or managers as necessary to change or mitigate land use plans or activities that have negative or potentially negative effects on BMGR resources</li> </ul>	Same as Strategy B, plus: <ul style="list-style-type: none"> <li>Monitor land use changes in perimeter areas</li> <li>Monitor the quantity of livestock permitted on perimeter grazing allotments and maintain a list of names, addresses, and brands of permittees to be able to respond to trespass grazing</li> <li>Monitor land use changes in Mexico and the status of illegal immigration to anticipate how BMGR resources may be affected</li> <li>Participate as a stakeholder in local and regional land-use planning processes to ensure the potential for adverse consequences to the BMGR's management of natural and cultural resources is avoided or minimized.</li> <li>Coordinate with other federal agencies on conservation matters of national or regional scope</li> <li>Identify, participate in, and promote the establishment of regional ecosystem management efforts</li> </ul>	Same as Strategy C, plus: <ul style="list-style-type: none"> <li>Work with county agricultural extension agents to determine the extent and danger of pesticide drift into the BMGR and any associated soil or water quality issues</li> <li>Monitor all geophysical and legal aspects of groundwater management for any potential changes that may impact BMGR natural resources</li> <li>Determine the extent to which BMGR resources are interrelated or dependant on off-range resources</li> <li>Identify threats to off-range resources that may negatively affect BMGR resources</li> <li>Participate in opportunities to coordinate management activities with adjoining property owners when beneficial to the management of natural resources</li> </ul>