

CHAPTER 2

ALTERNATIVES

SUMMARY OF ALTERNATIVES CONSIDERED

A total of six alternatives were considered for this Resource Management Plan, however, only two were carried forward for detailed analysis. The other four alternatives (a Proposed Action, a Conservation Emphasis Action, and a Resource Use Emphasis Action from a 1999 PDEA for a Navajo Reservoir RMP, and Project Decommission/Dam Breaching) were eliminated from detailed discussion in this document either because they did not fully address the issues relative to management of the Navajo Reservoir Area or because they were outside the scope of the planning effort. Brief summaries of the four alternatives eliminated from detailed discussion are provided later in this chapter.

Two alternatives, the “Proposed Action” and “No Action”, were developed and analyzed in detail. Detailed descriptions of these two alternatives are shown in Table 2-1.

Proposed Action Alternative

The proposed action alternative is the development and implementation of a comprehensive, programmatic plan to guide resource management within the reservoir area for the next 15 to 20 years. The intent of this alternative is to:

- Provide proactive, Reclamation project-compatible use and multiple-resource management, including development, conservation, and protection within the reservoir area.
- Bring resource management within the reservoir area into compliance with Reclamation project purposes, current laws, regulations, policies and agreements without materially changing current management or management processes.
- Allow the continued use and development of the reservoir area for other purposes in a manner that protects the reservoir area, its resources, and Reclamation’s facilities and that is compatible with Reclamation’s primary project purposes and consistent with other valid existing rights.
- Identify and recommend resolution of discrepancies in current regulations, policies, and agreements that affect the management of resources within the reservoir area.

The proposed action is Reclamation’s preferred action.

General Reservoir Area Management

Reclamation will manage the area to meet and protect its project purposes while allowing for other uses compatible with its primary project purposes. Said management will be:

- More proactive than reactive.
- Guided by a comprehensive, long-term management plan, that is periodically reviewed and maintained or modified to keep it up to date.
- In accordance with Reclamation and other applicable federal laws, regulations, and policies.
- In accordance with applicable State and local laws and regulations to the extent they are not inconsistent with federal laws, regulations, and policies.

Said management will include the application of mitigating measures to proposed development within the reservoir area to reduce impacts to other resources. The management will also include proactive efforts to coordinate and cooperate in management actions across jurisdictional lines.

Partnerships

Reclamation will use a broad range of partnerships and agreements to meet management objectives and implement management actions. CDPOR and NMSPD will continue to provide recreational management within the reservoir area. BLM, FFO will continue to provide federal leasable mineral management and livestock management within the reservoir area in New Mexico. Reclamation may develop and implement additional partnerships or agreements with these and other federal, state, and local government agencies, Indian tribes, and special interest groups in order to meet management objectives. All partnership agreements or contracts will be developed pursuant to applicable laws; will be subject to the RMP decisions; and will be consistent with valid existing rights. These agreements and contracts will be periodically reviewed by the parties thereto and revised or supplemented as appropriate to keep them current.

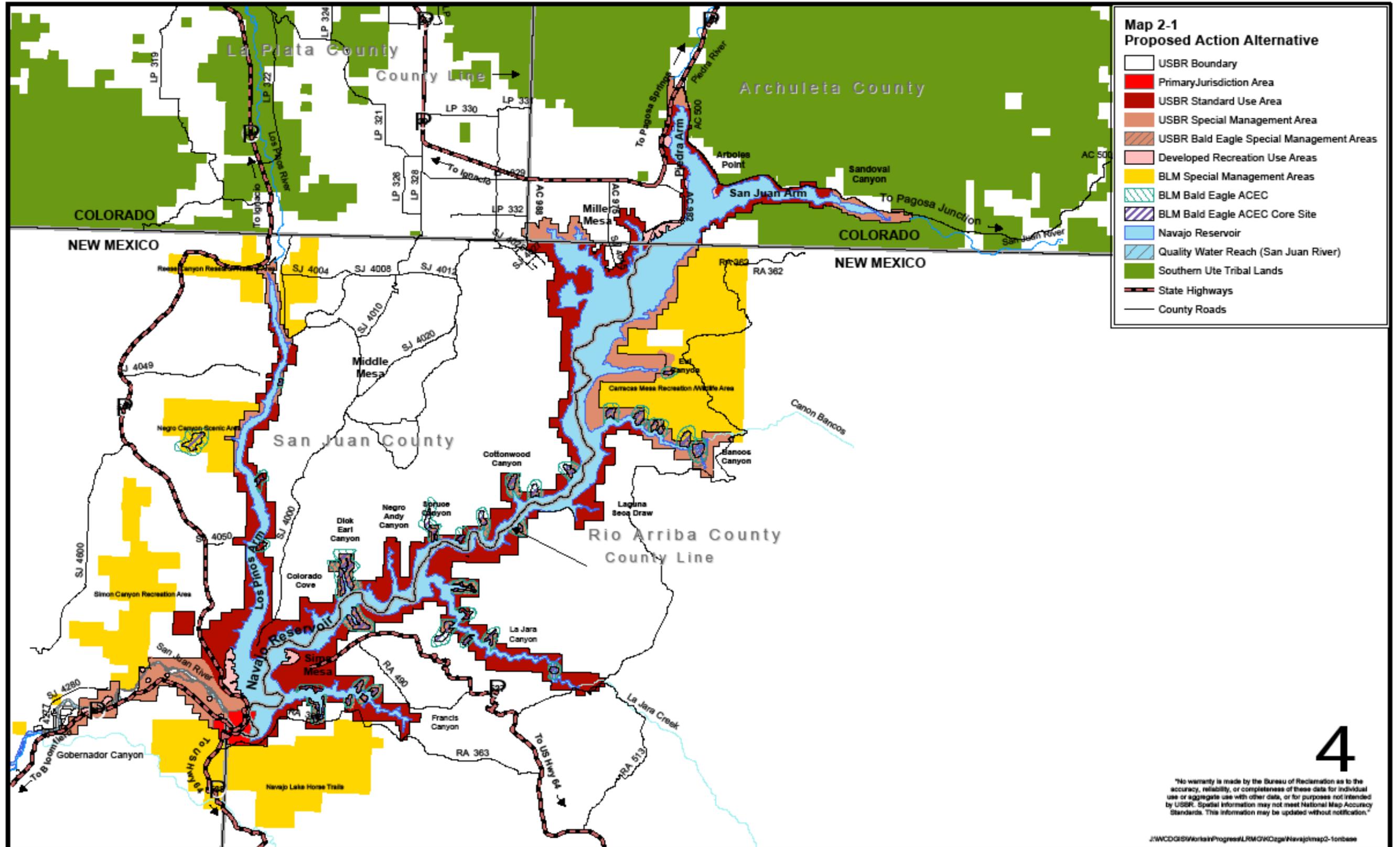
Water Resources

A ROD for the Navajo Reservoir Operations EIS was issued in July 2006. Reclamation will operate Navajo Dam and Reservoir in accordance with that ROD which calls for implementation of the 250/5000 Alternative with releases between 250 and 5000 cubic feet per second (cfs). The reservoir will be operated to assist in meeting spring peak and annual base flows. Since Reclamation may not be able to meet the flow recommendations 100 percent of the time, the intent is to operate the dam and reservoir in a manner consistent with the goals of the SJRBRIP to aid in endangered fish recovery. Flexibility to adjust release rates in response to new information, project operations needs, water development, climatic conditions, and water availability will be retained. Operations also include the flexibility to provide supplemental water to alleviate adverse effects on the trout fishery, river recreation, hydropower, irrigator's ability to divert, and water quality; this supplemental water is from water committed under present water rights and future development but which is not currently used. However, such flexibility will diminish as that committed but currently unused water is developed. (USBR, 2006c)

Current management practices to protect water quality will remain in effect. Current management practices include the use of appropriate Best Management Practices (BMPs) and mitigating measures to minimize the potential pollution of surface and ground water. The use of such BMPs and measures may be required by regulatory agencies (e.g., COGCC, NMOCD, EPA, etc.) or use-authorizing agencies (Reclamation, BLM, COGCC, NMOCD, etc.) or applied voluntarily by a proponent. Both CDPOR and NMSPD will continue to monitor water quality within the State Parks for public recreational and consumptive uses as required by the respective state or county health departments. Reclamation will coordinate with other agencies to develop and implement a long-term, coordinated water quality monitoring plan for the reservoir area and its immediate vicinity. Reclamation will coordinate with other agencies to ensure that steps or actions are taken to protect the reservoir area's water quality. Such steps include expanded use of Best Management Practices (BMPs), ensure enforcement of discharge restrictions, and other mitigating measures to the fullest extent possible consistent with valid existing rights.

Natural and Cultural Resources

Current management practices to meet applicable laws or requirements for natural and cultural resources management and protection will continue. Current management practices include site-specific review and NEPA documentation of proposed actions by Reclamation in coordination with the authorizing agency and the proponent. Site specific mitigation measures consistent with valid existing rights will be developed and applied to all proposed development within the reservoir area. Mitigation measures that may be applied to proposed actions include timing limitations, avoidance, additional inventory, no surface occupancy, use of BMPs, excavation, etc.. These measures are typical of measures that have been applied by various regulatory and resource



This page intentionally left blank.

management agencies in the area for many years to meet the intent of the environmental protection laws and regulations. Appendix D is a list of typical mitigating measures that may be used to mitigate site-specific impacts as determined by further NEPA review and documentation.

However, as the surface management agency for the reservoir area, Reclamation will also take a more proactive role in resource management within the reservoir area. That includes actions such as resource inventories, GIS development, activity plan development and implementation for specific resources or areas, and coordination of resource management across administrative and jurisdictional boundaries. Reclamation will also strive to develop and implement surface use agreements with holders of valid existing rights; said agreements to recognize and protect the interests of both parties.

Reclamation will implement a long-term, programmatic approach to cultural resources management at Navajo Reservoir. Cultural resources will continue to be managed in accordance with applicable federal and state laws and regulations, but with a greater emphasis on proactive management. A Cultural Resources Management Plan (CRMP) for the reservoir area will be developed and implemented. Pending the development and implementation of the CRMP, the current method of addressing cultural resources in response to problem situations and/or proposed actions will continue. Reclamation and/or BLM, as the federal use-authorizing agencies within the reservoir area, will continue to apply mitigation measures to reduce impacts to cultural resources on a site- and case-specific basis pursuant to cultural resource protection laws and additional NEPA review and documentation.

Current fisheries and wildlife management within the reservoir area by the respective state fish and game agencies will continue. However, fish and wildlife management direction and regulations may be revised by the respective State in accordance with their processes. Reclamation will cooperate with the fish and wildlife agencies to help provide and maintain fish and wildlife habitat within the reservoir area.

Recreation and Visual Resources

Recreation within the reservoir area will continue to be managed by CDPOR and NMSPD pursuant to agreements with Reclamation. This management shall be compatible with the primary purposes of the associated Reclamation project(s), any prior valid existing rights, and any resource management plan developed and implemented for the reservoir area.

The developed recreation areas at Arboles (CO), Pine River (NM), and Sims Mesa (NM) will continue to be operated for intensive recreation development and use, including campgrounds, marinas, day use, and employee housing. The San Juan River Recreation Area (NM) will continue to be managed for moderate recreation development, mostly day use fishing access, plus Cottonwood Campground (NM). The facilities at those recreation areas either have been or may be rehabilitated, in accordance with agreements between Reclamation and the respective state parks division. The Old Government Camp area will be managed for New Mexico State employee housing and other administrative purposes.

Dispersed recreation will be allowed throughout the reservoir area, however, management actions to reduce resource damage in remote heavy recreational use areas will be implemented. Such actions may include seasonal or area closures to recreational uses, additional recreational use requirements and restrictions, road and trail closures, and designation of recreational use areas. Road and trail closures for recreational use management will be coordinated with potentially affected holders of valid existing rights to ensure that the VERs are not adversely affected.

In accordance with the 1990 amendment to the General Plan for fish/wildlife management, NMSPD will continue to manage the Miller Mesa-Sambrito area within NM for recreation and upland wildlife resources, including protection of wintering bald eagles. That management currently includes no vehicular access to the area for recreational purposes. NMSPD may, at a later date, reopen this area to vehicular access for recreational purposes. However, any such reopening shall be subject to additional NEPA review, protection of cultural and other natural resources, and NMSPD determination that such use and management is cost effective.

Measures to protect visual quality will generally be limited to the use of mitigation measures to reduce the visibility of new development within the reservoir area. Mitigating measures may include such things as topographic or vegetational screening, and painting of facilities to blend with the environment.

Lands and Land Uses

Reclamation will continue to manage, operate and maintain its lands, waters and facilities in a manner that provides for and protects its project purposes and facilities, while allowing other uses compatible with primary project purposes. Such management, operation, and maintenance will be consistent with applicable federal law and valid existing rights. Reclamation will ensure that appropriate mitigating measures are applied to resource development activities within the reservoir area following NEPA review and documentation.

Reclamation will take a proactive initiative to research and document major valid existing rights (VERs) within the reservoir area. Such rights will be honored within their respective terms and conditions. Conditions of approval applied to development actions under a given VER will be consistent with that VER. Reclamation will also work with VER holders to develop surface use agreements that will help Reclamation and the VER holder meet their respective management objectives while protecting the rights and interests of both parties.

Oil and gas development within the reservoir area will continue in accordance with applicable federal, state, and local laws and regulations. Reclamation will continue in its role as the surface management agency with regard to oil/gas development. BLM will continue to manage federal oil/gas leases within the reservoir area in New Mexico in coordination with Reclamation. In general, the 2003 Farmington Field Office (BLM) RMP decisions related to oil and gas development on Reclamation lands will be applied to the federal leases within the reservoir area in New Mexico and all other oil/gas development in the reservoir area to the extent they are not inconsistent with VERs. However, Reclamation proposes to reinstate a “no drilling within 1500 feet of Navajo Dam and its appurtenant structures” requirement in order to protect Reclamation’s facilities and project purposes. Reclamation will also, to the fullest extent possible consistent with VERs, apply mitigating measures developed during case- and site-specific review to all proposed oil/gas development activities within the reservoir area.. Reclamation will also work with BLM, COGCC, BIA, NMOCD and other agencies to standardize requirements across administrative lines to expedite energy development and reduce inconsistencies. Reclamation will implement DOI and Reclamation actions and requirements developed in response to the National Energy Policy Act of 2005.

The reservoir area will continue to be available for miscellaneous rights-of-use (rights-of-way, roads, highways, transmission lines, pipelines, licenses, permits) whether or not they are a part of an existing VER. Miscellaneous uses not part of a valid existing right may be authorized if Reclamation determines that such uses are compatible with Reclamation’s project purposes and

provide acceptable mitigation of impacts. The reservoir area will continue to be used for local roads, oil/gas gathering and electric transmission lines in support of oil/gas development. Reclamation will coordinate with proponents, its managing partners and BLM, to determine acceptable alignment of such gathering and transmission lines within the reservoir area. Routing of new interstate or major transmission lines through the reservoir area will be assessed on a case-by-case basis with additional NEPA review and documentation and may be authorized with conditions of approval sufficient to protect Reclamation's interests and resources within the reservoir area. Reclamation will, to the fullest extent possible, consistent with VERs, apply mitigation measures to all development activities within the reservoir area following additional NEPA review and documentation.

Livestock grazing within the reservoir area will be handled as follows. Incidental grazing associated with reserved livestock trailing or watering rights will continue within both states, however, Reclamation will work with the holders of such rights to reduce unauthorized use and adverse impacts from such use. The reservoir area within Colorado will remain closed to livestock grazing except for such watering rights and incidental grazing. Within the New Mexico portion of the reservoir area, the BLM will continue to manage livestock grazing in a manner that is compatible with Reclamation project purposes and consistent with BLM's regulations and policies, the Farmington RMP and applicable activity plans. Appropriate fencing or barriers will be installed and maintained to help prevent unauthorized grazing. Short term use of livestock to help meet other resource objectives throughout the reservoir area may be implemented on a case-by-case basis.

Unauthorized use will be promptly resolved on a case-by-case basis. Additional proactive steps will be taken throughout the reservoir area to reduce the occurrence of unauthorized use. Such steps may include signage, fencing, and administrative or legal action.

Reclamation will work with its managing partners, BLM, and the respective state and county, to develop a reasonable transportation system which provides general area access but minimizes remote recreational access to the reservoir area. Some of the existing roads within the reservoir area may be gated and closed to the general public in order to manage remote recreational use and protect various resource values. Unnecessary roads and trails within the reservoir area will be closed to all use and rehabilitated. Reclamation will, as part of its road closure process, include a public review process and coordination with its managing entity, BLM and potentially affected valid existing rights holders.

Reclamation, in conjunction with its managing entities, BLM, and other entities as appropriate, will develop and implement a fire management plan for the reservoir area. Said plan will provide for fire suppression, fuel reduction, and prescribed fire use. Agreements with appropriate agencies will also be developed for fire suppression and management within the reservoir area.

No Action Alternative

The "No Action" alternative is the continued management of the reservoir area, its resources, and their use without an up-to-date or comprehensive, long-term plan to guide that management. This alternative, with some exceptions, is largely a continuation of the more recent resource management practices within the reservoir area. Resource management actions would generally occur on a case-by-case basis in response to a proposal or situation with limited coordination between affected agencies and with minimal long-term and interactive considerations. Mitigation of impacts to other resources will continue to be required and implemented on a case- and site-

specific basis in response to situations or proposed uses and additional NEPA review and documentation.

General Reservoir Area Management

Reclamation will continue to manage the area to meet and protect its project purposes while allowing for other uses compatible with its primary project purposes. Said management will be:

- More reactive than proactive
- In accordance with current Reclamation and other applicable federal laws, regulations, and policies.
- In accordance with applicable State and local laws and regulations to the extent they are not inconsistent with federal laws, regulations, and policies.
- Guided by the 1968 Navajo Reservoir Area Management Plan, as revised, to the extent the RAMP is not inconsistent with current Reclamation and other applicable federal, state and local laws, regulations, policies, and agreements.

Said management will include the application of mitigating measures to proposed development within the reservoir area to reduce impacts to other resources.

Partnerships

The existing partnerships will continue to be used to meet management objectives and implement management actions. CDPOR and NMSPD will continue to provide recreation management within the reservoir area. BLM, FFO will continue to provide federal leasable mineral management and livestock management within the reservoir area in New Mexico. Reclamation may establish into additional partnerships to meet other management objectives. All partnership agreements or contracts will be periodically reviewed, and revised or supplemented to keep them current.

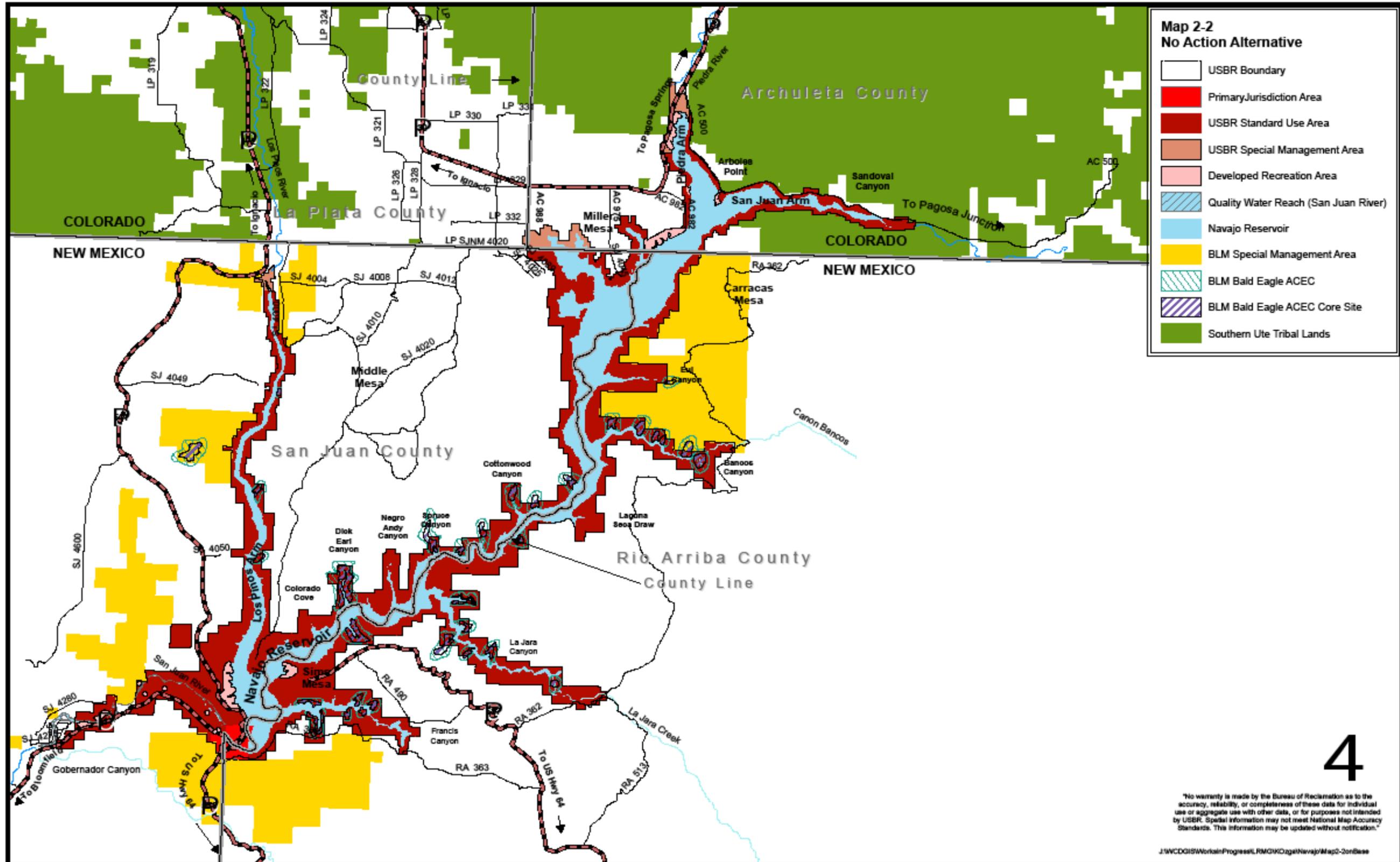
Water Resources

Reservoir operations under the No Action Alternative will be the same as for the proposed action. Decisions related to reservoir operations will continue to be made whether or not there is an up to date RMP for the reservoir area.

Current management practices to protect water quality will remain in effect. Both CDPOR and NMSPD will continue to monitor water quality for public recreational and consumptive uses as required by the respective state or county health departments. Reclamation may conduct occasional water quality sampling in response to specific issues or project needs. Other agencies may conduct water quality monitoring to meet their specific missions. Mitigation measures necessary for public health and safety and to prevent degradation of surface and ground water supplies within the reservoir area will continue to be applied to development and use of the reservoir area to reduce potential impacts to water quality, subject to valid existing rights. Such mitigation measures may be required by an authorizing agency, a water quality regulatory agency, or Reclamation as the surface management agency. Reclamation will conduct additional NEPA review and documentation of proposed activities as part of its ongoing management.

Natural and Cultural Resources

Actions to manage and protect resources will continue to be implemented on a case-by-case basis in response to problems or proposed actions and will meet applicable laws, requirements, and agreements. On a case-by-case basis Reclamation may take action to enhance resource conditions.



This page intentionally left blank.

Current management practices to meet applicable laws or requirements for natural and cultural resources management and protection will continue. Current management practices include the case- and site-specific review and NEPA documentation of proposed actions by Reclamation in coordination with the authorizing agency and the proponent. Site specific mitigation measures consistent with valid existing rights will be developed and applied to all proposed development within the reservoir area. Mitigation measures that may be applied to proposed actions include timing limitations, avoidance, additional inventory or evaluation, no surface occupancy, use of BMPs, excavation, revegetation, etc.. Such measures are typical of those that have been applied by various regulatory and resource management agencies for many years to meet the intent of the environmental protection laws and regulations. Appendix D is a list of typical measures that may be used to mitigate site-specific impacts as determined during NEPA review and documentation.

Cultural resources would continue to be addressed on a case-by-case base in response to specific proposed undertakings and/or problem situations. Mitigation measures to reduce impacts to cultural resources would be applied to these proposals and situations pursuant to cultural resource protection laws and NEPA review and documentation. Mitigation measures (i.e., archaeological excavation and/or stabilization) in response to impacts from hydrologic action within the reservoir basin are implemented as needed. Additional mitigation measures are applied to proposed development or use prior to their approval. However, impacts to cultural resources from natural causes, dispersed recreation, illegal activity, and general visitor use are usually addressed after the fact because these activities generally occur without prior review or approval of a proposed action.

Fisheries and wildlife management within the reservoir area by the respective state fish and game agencies will continue. Current fisheries and wildlife management direction and regulations may be revised by the respective State in accordance with their processes. Reclamation will cooperate with the fish and wildlife agencies to help provide and maintain fish and wildlife habitat within the reservoir area.

Recreation and Visual Resources

Recreation within the reservoir area will continue to be managed by CDPOR and NMSPD pursuant to agreements with Reclamation. This management must be compatible with the primary purposes of the associated Reclamation project(s), any prior valid existing rights, and any resource management plan developed for the reservoir area. The developed recreation areas at Arboles (CO), Pine River (NM), Sims Mesa (NM) and San Juan River Recreation Area (NM) will continue to be operated for intensive recreation development and use, including campgrounds, marinas, day use, and employee housing. The facilities at those locations may be rehabilitated or expanded on a case-by-case basis, in accordance with agreements between Reclamation and the respective state parks division and following additional NEPA review and documentation.

Dispersed recreation throughout the reservoir area will be allowed, but actions to reduce impacts associated with such use may be applied on a case-by-case basis to minimize damage to other resources. Such actions may include seasonal or area closures to recreational use, additional recreational use restrictions and requirements, road and trail closures, and designation of recreational use areas. Road and trail closures for recreational use management will be coordinated with potentially affected holders of valid existing rights holders to ensure that the VERs are not adversely affected.

In accordance with the 1990 amendment to the General Plan for fish/wildlife management, NMSPD will continue to manage the Miller Mesa-Sambrito area within NM for recreation and upland wildlife resources, including protection of wintering bald eagles. That management currently includes no vehicular access to the area for recreational purposes.

Measures to protect visual quality will generally be limited to the use of mitigation measures to reduce the visibility of new development within the reservoir area in accordance with additional NEPA review and documentation. Mitigating measures may include such things as topographic or vegetational screening, and painting of facilities to blend with the environment.

Lands and Land Uses

Reclamation will continue to operate and maintain its lands and facilities in a manner that provides for and protects its project purposes, and facilities, while allowing other uses compatible with primary project purposes. Such management, operation, and maintenance will be consistent with applicable federal law and valid existing rights.

Valid existing rights (VERs) within the reservoir area will be honored within their respective terms and conditions. Reclamation will continue to list and document major VERs as they are identified. Conditions of approval applied to development actions under a given VER will be consistent with that VER. Reclamation will also work with VER holders to allow continued development of VERs in a manner consistent with the VERs and which will help meet the management objectives of both parties.

Oil and gas development within the reservoir area will continue in accordance with applicable federal, state, and local laws and regulations. Reclamation will continue in its role as the surface management agency with regard to oil/gas development. BLM will continue to manage federal oil/gas leases within the reservoir area in New Mexico in coordination with Reclamation. In general, the 2003 Farmington Field Office (BLM) RMP decisions related to oil and gas development on Reclamation lands will be applied to the federal leases within the reservoir area in New Mexico and all other oil/gas development in the reservoir area to the extent they are not inconsistent with VERs. Reclamation will also, to the fullest extent possible consistent with VERs, apply mitigating measures developed during case- and site-specific review to all proposed oil/gas development activities within the reservoir area. Reclamation will implement DOI and Reclamation actions and requirements developed in response to the National Energy Policy Act of 2005.

Reclamation will, on a case-by-case basis, consider the authorization of non-lease related rights-of-way and miscellaneous uses within the reservoir area. Such uses must be compatible with the primary purposes of the associated Reclamation project(s). If such uses are authorized, the authorizing document will contain reasonable conditions of approval to mitigate potential impacts from such uses. The development of the conditions of approval for a specific action will include NEPA review and documentation. Any such conditions of approval will be consistent with VERs.

Livestock grazing within the reservoir area will be handled the same as for the Proposed Action Alternative. This is essentially the continuation of VERs pursuant to applicable laws, regulations, leases, and reservations, and elimination of unauthorized grazing.

Unauthorized uses will continue to be resolved on a case-by-case basis as they come to the attention of Reclamation or its managing partner. Necessary actions associated with such

resolution, will be taken to reduce the occurrence of unauthorized use at that location. Such actions may include signage, fencing, and legal action.

Existing practices for reviewing, developing and closing roads on a case-by-case basis will continue. Actions will be taken in response to proposed development or conflicts between resource protection and resource development or use. Existing roads within the reservoir area may be gated and closed to the general public in order to manage remote recreational use and protect various resource values. Unnecessary roads and trails within the reservoir area will be closed to all use and rehabilitated. Reclamation will, at a minimum, coordinate its road closure process with the respective state parks department, BLM, and potentially affected valid existing rights holders.

Reclamation and/or its managing entities will continue to coordinate with adjoining land management agencies and local fire protection districts for necessary fire suppression.

Elements Common to All Alternatives Analyzed

Common Management Elements

Certain elements of resource management and management actions within the Navajo Reservoir area are common to all alternatives. These common elements and actions include the following:

- Reclamation will, to the fullest extent possible consistent with VERs, protect project purposes and facilities.
- The decisions from the Navajo Reservoir Operations FEIS/ROD are included as part of reservoir area management without further NEPA review.
- The proposed management actions shall apply to valid existing rights only to the extent that they are consistent with such rights.
- Management objectives and management actions apply only to the reservoir area, unless otherwise indicated.
- Management actions in Table 2.1, though listed under only one management category, may help meet multiple resource management objectives.
- Reclamation and its partners may work together or separately to implement management actions.
- Resource management is dynamic; the RMP and proposed management actions may be revised or amended to address future issues and concerns.
- All management actions will be kept in compliance with applicable federal, state, and local laws, regulations, Executive Orders (E.O.), and policies.
- The reservoir area and its resources will be managed within the various constraints that exist in the reservoir area, including project purposes, valid existing rights, and resource carrying capacities.
- Measures to mitigate impacts to area resources and other resource uses from proposed development or use will be identified and developed on a case- and site-specific basis through additional NEPA review and documentation, implemented, and enforced. Appendix D lists some typical mitigation measures that may be used; however such measures are not limited to those listed. Additional mitigation measures may be developed based on the additional NEPA review. Mitigating measures will be consistent with valid existing rights. Mitigating measures identified and recommended by Reclamation for the protection of its interests are considered as supplemental and cumulative to those measures required by an authorizing agency other than Reclamation.
- Implementation of the RMP is subject to the availability of funds and personnel.

- The RMP will be used to prioritize actions and support annual work plans and funding requests.

Plan Implementation

Plan implementation is also common to all alternatives. Reclamation, through the Western Colorado Area Office, has the overall responsibility to insure development, implementation, monitoring, and adjustment of the RMP. We will work with our partners, rights holders, adjacent land management agencies, and federal and state regulatory agencies to implement the RMP in accordance with the decision for this planning effort.

Standards and Guidelines

We will use the following general Standards and Guidelines in the development and implementation of this RMP:

- All applicable federal laws, Executive Orders, regulations, policies, directives and standards. This includes, but is not limited to Reclamation law, as amended and supplemented; DOI, Reclamation, and BLM Manuals; NEPA; NHPA; and ESA.
- Applicable State and local laws and regulations, to the extent they are not inconsistent with federal laws and regulations.
- If there is conflict between applicable Federal, State, or local laws and regulations, we will generally use the following order of precedence: first the most stringent applicable mandatory regulatory requirement; second, mandatory Federal requirements; third, mandatory State and local requirements; fourth, non-mandatory Federal requirements; and fifth, non-mandatory State and local requirements.
- In all things, adequate protection of Reclamation's primary project purposes and appurtenant facilities, resources, and interests will be a primary standard and guideline.

Support

Reclamation needs support from various entities and individuals to implement the RMP. General support will be provided by Reclamation management and staff specialists, the partners and their staff specialists, other agencies and organizations, and individuals. Support services may be purchased, donated, or volunteered, and may be obtained from any reasonable and appropriate source which meets the need.

Plan Monitoring

Reclamation, in conjunction with its partners, will monitor the RMP to:

- Ensure implementation of planned management actions. This includes:
 - Budget formulation,
 - On-ground implementation,
 - Enforcement of management actions
 - Adherence to stipulations or requirements, and
 - Providing for necessary support (personnel, work months, equipment, and procurement).
- Determine plan effectiveness. This includes determining whether:
 - Desired plan objectives are being achieved,
 - Original presumptions were correctly applied,
 - Impacts correctly predicted,
 - Mitigation measures are necessary, reasonable, and satisfactory, and
 - Changes need to be made

- Determine the potential need for plan revision or amendment. This includes periodic review and evaluation of the RMP.

Monitoring actions may be completed by Reclamation, the managing entities, or other entities approved by Reclamation. Monitoring activities will be scheduled to best fit the particular action or resource involved. Monitoring actions and follow-up actions will be documented.

Plan Maintenance

The RMP will be updated as necessary to keep it current without changing its scope or intent. Management actions, protective measures, and priorities will be reassessed and revised as necessary. Plan maintenance will not affect basic decisions, conditions, terms, or level of resource use or restrictions from those prescribed in the plan. Maintenance activities may include posting new information, refining an analysis, or making minor changes in management actions.

Plan Modification

The RMP may be modified, if necessary, through amendment or revision. We will use monitoring and evaluation findings, new data, and new or revised policies to determine the need for an amendment or a revision. Any plan amendment or revision will include public involvement and a NEPA process.

A plan amendment may be warranted for any change in circumstances or conditions that affect the scope, terms, or conditions of the RMP. A plan amendment will be required in all cases where a proposed action is not in conformance with the plan and warrants further consideration prior to a scheduled plan revision. The amendment process is the same as the resource management planning process, but the scope of information, analysis, and documentation is more limited. Generally, an amendment involves only one or two planning issues. Preparation of a resource management plan amendment will be done in accordance with Reclamation requirements, including NEPA documentation and public involvement.

The RMP will be revised when it becomes outdated or otherwise obsolete. A plan revision will involve the preparation of a new resource management plan for the reservoir area. Preparation of a new resource management plan will be done in accordance with Reclamation requirements, including NEPA documentation and public involvement.

Administrative Actions

Reclamation and its partners will continue to take administrative action with regard to the reservoir area and its resources. Administrative actions are the day-to-day actions necessary to serve the public and to provide for management and use of the property and its resources. Such actions may include, but are not limited to:

- issuance of use authorizations
- NEPA compliance
- resolution of trespass and ownership questions
- facility maintenance, operation, and replacement
- enforcement and monitoring of restrictions
- land surveys to determine legal ownership
- resource inventory and mapping
- professional support assisting project design, implementation, and management
- resource protection and enhancement

Priorities

Reclamation has established generic priorities to guide the implementation of this RMP. Priorities have been assigned to the management actions in Table 2.1. These priority classifications are defined as follows:

- **General**- actions to be implemented continuously or periodically throughout the term of the RMP. They are actions which are usually set by policy, regulation, or agreement.
- **High**- actions that should be implemented within five years of the date of the decision record in order to protect critical resources or meet a critical environmental commitment.
- **Moderate**- actions that do not require prompt implementation but that should be acted upon within ten years of the date of the decision record.
- **Low**- actions that do not require prompt implementation but that should be acted on within twenty years of the decision record. They generally have a low risk if not implemented.

These priorities will be used to develop annual budgets and work plans. We will adhere to these priorities whenever possible. However, we may revise priorities, as necessary, based on Departmental, Bureau, and partner policies, goals, and approved budgets.

ALTERNATIVES CONSIDERED BUT NOT ANALYZED IN DETAIL

Proposed Action 1999 PDEA (USBR, 1999 PDEA Navajo Reservoir RMP)

We did not carry forward the Proposed Action alternative from Reclamation's 1999 preliminary Draft EA. That alternative was similar to the current proposed action but did not adequately address some of the issues involved in management of the reservoir area.

The Proposed Action from the 1999 PDEA encompassed a broad range of actions to address the issues identified in that document. The major focus of that alternative included designation of management areas; additional recreation development; additional efforts to enhance and protect natural resources; and increased restrictions on oil/gas development.

The management areas, acreage and management focus, consisted of the following:

- Standard Project Use (10,078 acres)- broad range of uses including grazing and mineral resource development; protection of natural resources and visual quality is a management priority; recreational uses are allowed but no facilities provided; only boat-in camping allowed;
- Special Management Areas (5,877 acres)- emphasis on protection of sensitive resources and enhancement of wildlife habitat; limited passive recreational uses allowed but few facilities provided; conflicts between wildlife and other uses resolved in favor of wildlife; includes Bald Eagle ACEC as originally designated by BLM with no use within buffer zones from 11/1 to 4/1.
- San Juan River Management Unit (2,285 acres)- Reclamation lands below the dam to about State Highway 173; emphasize world-class trout fishery and high quality recreation experience; development limited to existing trails, parking areas, and other recreation support facilities; also includes protection/enhancement of wildlife habitat.
- Primary Jurisdiction Area (396 acres)- area required for Reclamation project operations; includes dam, spillway, hydroelectric plant; some public use restrictions in place for dam and public safety.

- Recreation Emphasis Zone (4,078 acres)
 - Fully Developed- Sites sized for large recreational vehicles (RVs); utility hook-ups, high-use pads w/ tables, grills, and/or fire rings; flush toilets, showers, developed recreational site with other amenities.
 - Moderately Developed- Basic facilities for small recreational vehicle or tent/car camping; central water supply and dump station; vault toilets; tables and grills
 - Semi-Developed- Remote locations away from other amenities, limited facilities/improvements, vault-type toilets, central dump station; drinking water may not be available.

For recreation, the following actions were proposed:

- A variety of recreational facilities would be upgraded and new use areas developed.
- Facilities at existing fully-developed recreational sites at Arboles, Pine River, and Sims Mesa would be replaced or enlarged, but not to the full limits of each site's physical capacity.
- New semi-developed use areas would be established at several locations currently receiving heavy informal use to reduce natural resource damage and respond to demonstrated need. These areas included Miller Mesa (NM), Sambrito (NM), Colorado Cove (NM), Francis Cove (NM), Arboles Point (CO), West Piedra Arm/West (CO) and San Juan Arm (CO).
- Development of a formal two-lane boat ramp at Miller Mesa.
- Provide additional recreational opportunities such as trails, interpretive areas, and semi-developed camping.
- Maintain water-based activities and motorized boating opportunities.
- Vehicle access to non-designated use areas would be restricted, and roads would be closed to general public use. Areas identified for road closures included remote areas on both sides of the main reservoir body from about Eul Canyon to the dam, in Francis Canyon and the Pine River arm.
- No additional parking areas or expansion of parking areas in the San Juan River Management Unit; parking restrictions strictly enforced.
- No camping, except for boat-in use, would be allowed in non-designated areas.
- Define a boating capacity for Navajo Reservoir.

For enhancement and protection of natural resources, the following actions were proposed:

- Additional efforts would be made to enhance/protect natural resources, including habitat improvements, road closures, establishing additional wakeless boating zones, limiting remote area camping, minimizing conflicts between wildlife other uses.
- Increased emphasis on protecting reservoir water quality, including an information/education program and sanitary facilities in some of the heavily used remote areas
- Opportunities for enhancing game fish habitat would be investigated.
- Additional efforts to better manage the heavy fishing pressure on the San Juan River below the dam.
- Enforcement of seasonal restrictions on all development within sensitive wildlife habitat (see specific restrictions under natural gas development actions).
- Designate about 5,877 acres as special management areas with an emphasis on sensitive resource protection and wildlife habitat enhancement. Includes formal designation of BLM's eagle ACEC on Reclamation lands and adoption of its use constraints and a riparian/wetland focus in upper reaches of the major reservoir arms and canyons.
- Designate and manage upper portions of the Piedra, San Juan, and Los Pinos arms as special management areas for wildlife.

- The Eul Canyon bald eagle concentration area would receive the same protection as the BLM bald eagle ACEC units.
- A land exchange between BLM and NM would be pursued on the San Juan River and on approximately 3,750 acres of NM Game Commission mitigation lands.
- Greater effort would be made to minimize visual intrusions with the majority of the reservoir area managed according to BLM's Class II visual quality objectives.
- Development and implementation of a Noxious Weed Control Plan.

For energy resource development, the following actions were proposed:

- Natural gas development in sensitive areas would be restricted and more comprehensive stipulations would be applied to new wells.
- In addition to stipulations applied by BLM, additional Reclamation stipulations would be applied. These include:
 - Restrict drilling within 1,500 horizontal feet of Navajo Dam, including the dam's foundation which extends 1,320 feet upstream and 1,206 feet downstream of the dam axis.
 - Prior to approval of a well location within 500 horizontal feet of the reservoir high water line (elevation 6085 feet), it must be examined by Reclamation and the potential impacts to water quality determined.
 - Minerals under areas along the San Juan River and under or close to Navajo Reservoir shall be developed using no surface occupancy and directional drilling. Exceptions may be granted on a case-by-case basis. Any exception to no surface occupancy shall have strict mitigation measures applied. Seasonal closures for waterfowl, bald eagle, and other species may apply.
 - Production facilities should be located and designed so that their visibility from the reservoir and public use areas is minimized. At a minimum, no wells or other production facilities would be located within 650 feet of the shoreline or at any location visible on the ridgeline above the reservoir.
 - Seasonal restrictions would be enforced to limit exploration, drilling, and other development activities (including recreational development) in sensitive wildlife areas. These seasonal restrictions include:
 - Between February 15 and August 15 within active raptor nest buffers until the young have fledged.
 - Between December 1 and March 31 within designated elk and mule deer critical winter range.
 - Between December 1 and July 14 within designated elk calving areas.[Note: Many of the above requirements were included in one or more alternatives of FFO's EIS for the 2003 RMP amendment.]
- New wells and exploration activities in sensitive areas would be discouraged.
- No net increase in the number of wells would be allowed on reservoir area lands.
- Natural gas development activities would be more closely monitored.
- Hospital grade mufflers or similar noise repression would be required for compressors with unacceptable noise levels at developed recreation use areas or other sensitive locations.
- Existing utility corridors on the upper Pine River arm, upper Frances Cove, and DeLasso Loos Road would be acknowledged and formally designated as utility corridors.
- Natural gas pipelines with a diameter of 10 inches or greater and electric transmission lines with a voltage of 69 kV or greater would be restricted to designated utility corridors.
- Electric distribution lines would be allowed to cross the reservoir only within designated utility corridors.

- Reclamation would promote cooperation between gas producers to minimize facility duplication.
- Cooperation between Reclamation, BLM, and gas producers to control public use of non-designated roads.

Proposed management actions for miscellaneous uses and management of the reservoir area included:

- Closure of 18 miles of existing roads to public use.
- All vehicles, including OHVs would be restricted to designated roads.
- Existing grazing leases would remain in effect with no modifications.
- Improvement of law enforcement through:
 - Addition of a full-time ranger with responsibility for enforcement of federal laws.
 - Creation of fee areas in Middle Mesa and Frances Cove and greater enforcement of park regulations in these areas.
- The Arboles airstrip would remain in use until the land was needed for other purposes or safety and/or maintenance dictated its closure.

Although Reclamation's 1999 Proposed Action was somewhat similar to the current proposed action, we did not carry it forward in its entirety for several reasons. Those reasons include:

- The proposed "no net increase" in oil/gas wells is contrary to the valid existing rights and lease requirements of oil/gas lessees and operators and did not allow for efficient or economic recovery of oil/gas resources.
- There was no discussion of the 1983 IA and its relationship to resource management at Navajo Reservoir.
- There was little or no discussion of private, state, or SUIIT oil/gas leases and development.
- There was no discussion of the ability of NMSPD to effectively manage the proposed development at Miller Mesa/Sambrito (NM) and other remote sites.
- The proposed land exchange between BLM and NMGF was in conflict with BLM's 1988 RMP decisions for retention of federal lands in federal ownership.
- The proposed recreational development was too detailed for the level of planning being considered; other actions were not discussed to the same level of detail.
- The alternative did not address other, non-energy related valid existing rights (such as reserved rights of ingress/egress across acquired lands for watering of livestock at the reservoir).

We incorporated some elements of this alternative into the current proposed action. Those elements include the following:

- Additional efforts would be made to protect and enhance natural resources, including habitat improvements, road closures, limiting development in sensitive areas, improved rehabilitation of disturbed areas, reducing surface disturbance, and others. However, such efforts would be consistent with valid existing rights.
- Management direction for the San Juan River corridor below the dam, but without designation as a special management area.
- Development and implementation of a weed control plan.
- Restrict drilling within 1,500 horizontal feet of Navajo Dam, including the dam's foundation which extends 1,320 feet upstream and 1,206 feet downstream of the dam axis.
- Provisions for future development and implementation of recreational carrying capacities on the reservoir and the San Juan Quality Trout waters as may be determined necessary.
- Minerals under areas along the San Juan River and under or close to Navajo Reservoir shall be developed using no surface occupancy and directional drilling. Exceptions may be granted on a

case-by-case basis. Any exception to no surface occupancy shall have strict mitigation measures applied. Seasonal closures for waterfowl, bald eagle, and other species may apply.

- In addition to mitigation measures applied to oil/gas development by BLM, additional Reclamation mitigation measures developed during review and NEPA analysis would be applied.
- Most recreation development would be focused on the intensively developed recreation sites at Arboles, Pine River, and Simms Mesa. Additional recreational facilities may be considered elsewhere on a case-by-case basis with additional NEPA review and documentation.
- A portion of the reservoir area would be designated as special management areas with an emphasis on resource protection or recreational use.

Resource Use Emphasis (USBR, 1999 PDEA Navajo Reservoir RMP)

We did not carry forward the Resource Use Emphasis alternative from Reclamation's 1999 preliminary Draft EA. That alternative was also similar to the current proposed action but with a slightly higher level of resource use and development. It also did not adequately address some of the issues involved in management of the reservoir area.

The Resource Use Emphasis Alternative from the 1999 PDEA also encompassed a broad range of actions to address the issues identified in that document. The major focus of this alternative was a more intensive use of project lands for both recreation and oil/gas development. However, except for the items described below, the 1999 Resource Use Emphasis alternative was the same as the 1999 PDEA's Proposed Action.

For recreation, the following actions were proposed:

- Recreation facilities would be upgraded and new use areas developed, including a new 2-lane boat ramp at Arboles (CO), a formal 2-lane boat ramp at Arboles Point (CO), three formal day use sites on the San Juan Arm (CO).
- Development of 5 fly-in campsites at Arboles (CO).
- Recreational facilities at Arboles, Pine River, Sims Mesa and Cottonwood Campground would be enlarged to the full capacity of each site and include increased numbers of highly developed campsites.
- More extensive development would occur at Miller Mesa.

For natural and cultural resource protection and enhancement, the following actions were proposed:

- About 1,006 acres (Eul and Bancos Canyons) would be removed from Special Management classification for vegetation and wildlife.
- Road closures- about two fewer miles (Laguna Seca and Rio Arriba County Rd. 511) than the in the 1991 Proposed Action.

For natural gas development, the following additional actions were proposed:

- There would be no limitation on the number of wells allowed on reservoir area lands.
- Well locations within particular management designations would not be discouraged.

For miscellaneous uses and management the following actions were proposed.

- A new utility corridor would be established across the middle portion of the Pine River arm for a proposed electric transmission line.

Although Reclamation's 1999 Resource Use Emphasis Alternative was somewhat similar to the current proposed action, we did not carry it forward in its entirety for several reasons. Those reasons included the reasons cited for the 1991 Proposed Action and these additional reasons:

- The proposed new boat ramps in the upper reaches of the reservoir did not take into account problems associated with siltation and increased reservoir fluctuation.
- The proposed formal day use areas on the San Juan Arm did not take into account potential public safety issues at Sandoval Canyon or sensitive species and riparian issues.

Conservation Emphasis (USBR, 1999 PDEA Navajo Reservoir RMP)

We did not carry forward the Conservation Emphasis alternative from Reclamation's 1999 preliminary Draft EA. It was similar to the current proposed action, but with a slightly higher level of resource protection. It also did not adequately address some of the issues involved in management of the reservoir area.

The Conservation Emphasis Alternative from the 1999 PDEA was a slight variation of that document's Proposed Action. This alternative placed greater emphasis on natural resource protection, enhancement, and restoration and less emphasis on developed uses. A greater amount of the reservoir area was proposed for special management status. Greater efforts would be made to improve wildlife habitat, protect water quality, protect cultural and natural resources, and increase restrictions on oil/gas development.

Recreation development would be similar to that described in the 1999 Proposed Action, however:

- Fewer semi-developed sites would be developed in remote locations.
- No future recreational development would occur on the San Juan River arm east of Arboles Point (CO).
- Fewer semi-developed campsites would be provided at Colorado Cove (NM).
- The Sambrito area in NM would be closed to vehicle access for recreational purposes thus restricting day and over-night recreational uses.

For protection and enhancement of natural resources, the following actions were proposed:

- The Sambrito Area (NM) would be revegetated to increase wildlife habitat value.
- About 3.3 miles more of road closures than the 1991 Proposed Action, mainly in the Sambrito area (NM)
- About 1,012 more acres than the 1991 Proposed Action would be designated for wildlife special management areas, mainly the La Jara arm, upper Eul and Bancos Canyons, and portions of the three river arms.

The same policies described for the 1991 Proposed Action would be applied with respect to utility corridors, natural gas development, and land exchanges.

We incorporated some elements of this alternative into the current proposed action. Those elements include the following:

- Fewer semi-developed sites would be developed in remote locations.
- No future recreational development would occur on the San Juan River arm east of Arboles Point (CO).

Project Decommission and Breaching of Dam

Decommissioning of the Navajo Unit and the NIIP, and breaching of the dam was considered as an alternative for this RMP. However, this alternative was not analyzed in detail because it is outside of the scope of this RMP and does not meet the purpose and need for the RMP. Part of the purpose of this RMP is to address resource management within the Navajo Reservoir Area in the context of a larger system of water management and development of the Colorado River basin. Storage of Colorado River basin water to make it available for beneficial use by the upper basin states of their respective allocations is a major national policy and focus of the Colorado River Storage Project Act and the Navajo Unit.

Water is a very significant resource for the nations, countries and states within the Colorado River Basin, including the San Juan River Basin; the water supports their existence, livelihood, and prosperity. Colorado River Basin water availability is subject to several treaties and compacts. The treaties include some between the United States and Mexico and the United States and the Navajo Nation. Available water within the basins has been apportioned under several river compacts, including the Colorado River Compact, and the Upper Colorado River Basin Compact.

Also, the water stored in Navajo Reservoir includes Indian Trust Assets for both the Navajo and Jicarilla Apache Nations. By law, Reclamation is required to protect ITAs under its jurisdiction. Project decommissioning and breaching of the dam will adversely affect the availability of water to meet these ITAs.

DETAILED DESCRIPTION OF ALTERNATIVES ANALYZED

See Table 2-1, beginning on page 2-23.

Table 2.1: Detailed Description of Alternatives; Navajo Reservoir RMP

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
GENERAL RESERVOIR AREA MANAGEMENT			
General Management	<p>To manage the Navajo Reservoir Area in a manner that:</p> <ul style="list-style-type: none"> ▪ Protects USBR project purposes ▪ Allows for other uses compatible with primary project purposes ▪ Is in accordance with applicable Federal laws, regulations, and policies. ▪ Is in accordance with applicable State and local laws, regulations, and policies to the extent they are not inconsistent with applicable federal laws, regulations, and policies. 	<ul style="list-style-type: none"> ▪ USBR will continue to manage the Navajo Reservoir Area in a reactive mode and without an up-to-date, comprehensive, long-term management plan. ▪ Said management will be in accordance with current Reclamation law, regulations, and policies; other applicable federal laws, regulations, and policies; and applicable state and local laws, regulations, and policies to the extent they are not inconsistent with applicable federal laws, regulations, and policies. ▪ Said management will be in accordance with the 1968 Navajo Reservoir Area Management Plan, as revised, to the extent such management is not inconsistent with current Reclamation law, regulations, policies, and agreements; and other current applicable federal, state, and local laws, regulations, and policies. ▪ New proposed development will be considered on a case-by-case basis with NEPA review and documentation at the time it is proposed. ▪ Problem situations will also be considered on a case-by-case basis as they are identified, with NEPA review and documentation, and subsequent remedial action. ▪ Reclamation and its managing entities will man- 	<p>Same as “No Action,” except:</p> <ul style="list-style-type: none"> ▪ USBR will proactively manage the Navajo Reservoir pursuant to a current, comprehensive, long-term resource management plan. ▪ The 1968 Navajo Reservoir Area Management Plan will be replaced with a new up-to-date and comprehensive resource management plan that is consistent with current applicable laws, regulations, and policies. The new RMP will be periodically reviewed and maintained or modified as necessary to keep it up-to-date. ▪ Reclamation, in conjunction with its managing partners, BLM, and other stakeholders, will seek to re-solve problem situations in a more proactive manner through coordinated and cooperative activity level planning efforts and subsequent management actions. ▪ Reclamation will work closely with its partners, adjoining land and resource management agencies, regulatory agencies, and stakeholders to coordinate resource management across jurisdictional lines and make such management as seamless as possible.

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		age public use and conduct within the reservoir area in accordance with 43 CFR Part 420, and the managing entities' respective regulations.	
PARTNERSHIPS			
Partnerships	To use partnerships and agreements to carry out management actions and achieve management objectives.	<p>Resource and Recreation Management</p> <ul style="list-style-type: none"> ▪ USBR will continue the partnerships with the States of New Mexico and Colorado for recreation and some resource management within the reservoir area. (General Priority) ▪ USBR and NMSPD will revise and update their agreement for management of recreation and certain other resources within the NM portion of the reservoir area. (High Priority) <p>Lands and Land Uses</p> <ul style="list-style-type: none"> ▪ USBR will continue the partnership with BLM for the management of federal leasable minerals and grazing within the NM portion of the reservoir area. (General Priority) ▪ USBR may, on a case-by-case basis as opportunities arise, partner with other entities to help achieve reservoir area management objectives and implement management actions. <p>General Periodically review and revise, replace or terminate management agreements to keep them current and/or applicable. (General Priority)</p>	<p>Same as "No Action," plus:</p> <p>Resource and Recreation Management</p> <ul style="list-style-type: none"> ▪ USBR or its managing entities will develop and maintain additional partnerships or agreements with local, regional, and national special interest groups to help achieve management objectives and implement management actions. Groups could include: <ul style="list-style-type: none"> ▪ Youth and service organizations. ▪ Sportsmen organizations. ▪ Environmental organizations ▪ Oil/gas industry ▪ Livestock industry ▪ Boaters, ORV users, snow-mobilers, PWC users, fishermen, etc. <p>(Moderate Priority)</p> <ul style="list-style-type: none"> ▪ USBR will develop and implement agreements with BLM, BIA, SUIT, the States of NM and CO, and/or local fire districts for wildland fire management. (High Priority) ▪ USBR will develop and maintain partnerships and/or agreements with federal, state, and local agencies for coordinated resource management across agency and jurisdictional boundaries. This includes, but is not necessarily limited to: <ul style="list-style-type: none"> ▪ Termination of the 1967 leasable minerals management agreement with BLM and New Mexico or its revision to comply with the 1983

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
			<p>USBR/BLM IA, the 2003 Farmington RMP the National Energy Policy Act of 2005, and Reclamation directives and standards. (High Priority)</p> <ul style="list-style-type: none"> ▪ If the 1967 leasable minerals management agreement is terminated, develop and implement a new supplemental agreement for federal leasable minerals management within the reservoir area that is in compliance with the 1983 USBR/BLM IA, the 2003 Farmington RMP, the National Energy Policy Act of 2005, and current Reclamation law, policies, directives and standards. (High Priority) ▪ Weed and pest management (General Priority) <p>▪ USBR and/or its managing entities will develop and implement a reservoir watch and adoption program whereby area visitors can help managers by:</p> <ul style="list-style-type: none"> ▪ Reporting weed infestations, wildlife and plant observations, illegal dumping and discharging, etc. ▪ Helping with habitat enhancement, litter control, facility construction and maintenance, weed control, etc. <p>(Moderate Priority)</p>
WATER RESOURCES			
Water Quality	<p>To protect and/or enhance water quality to:</p> <ul style="list-style-type: none"> ▪ meet project purposes, ▪ provide for public health and safety, and ▪ fulfill resource needs. 	<ul style="list-style-type: none"> ▪ At a minimum, the appropriate water quality regulatory agencies (EPA, BIA, COE, or State agencies) will ensure that water quality within the reservoir area is protected pursuant to the Clean Water Act and other appropriate federal and state water quality control laws and regulations. ▪ On a case-by-case basis, USBR and/or its managing entities will cooperate with the water 	<p>Same as “No Action,” plus:</p> <ul style="list-style-type: none"> ▪ USBR will encourage holders of prior valid existing rights to use mitigating measures, including BMPs to protect water quality during their operations and activities. (General Priority) ▪ USBR and its managing entities will work with the regulatory agencies to ensure enforcement of

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		<p>quality regulatory agencies by reviewing proposed actions and providing measures to ensure protection of water quality for USBR project purposes and ITAs.</p> <ul style="list-style-type: none"> ▪ On a case-by-case basis and pursuant to NEPA or State review and documentation, USBR and its managing entities will coordinate their management actions with the water quality regulatory agencies to ensure that water quality is protected pursuant to applicable federal, state, and local laws and regulations. (General Priority) ▪ USBR and other agencies will continue to individually monitor water quality as required by regulations or to meet agency specific programs and missions. (General Priority) 	<p>pollutant discharge laws and regulations within the reservoir area. (General Priority)</p> <ul style="list-style-type: none"> ▪ USBR may work cooperatively with other agencies and stakeholders to enhance surface water quality within the reservoir area. (Moderate Priority) ▪ Include water quality discussions in public education and information programs. (General Priority) ▪ USBR will work with other appropriate agencies to develop and implement or expand a water quality monitoring program for the reservoir watershed. Parameters to be monitored may include, but are not necessarily limited to: <ul style="list-style-type: none"> ▪ Fecal coliform ▪ Oil/grease ▪ Mercury ▪ Selenium ▪ Dissolved Oxygen <p>(Moderate Priority)</p>
Water Management	<p>To operate the dam and reservoir in a manner that:</p> <ul style="list-style-type: none"> ▪ Meets primary project purposes, ▪ Is consistent with the Colorado River compacts and treaties, ▪ Provides for public use and enjoyment of the reservoir area compatible with primary project purposes. ▪ Recognizes State water rights rules, processes, and allocations. 	<ul style="list-style-type: none"> ▪ Reclamation will operate Navajo Dam and Reservoir as it has since 2000, to wit: <ul style="list-style-type: none"> ▪ Maximum controlled releases of about 5,000 cfs. ▪ Minimum allowable release during spring and summer- 250 cfs. ▪ Minimum allowable release during winter- 250 cfs. ▪ USBR has implemented the decisions regarding reservoir and dam operations from the Navajo Reservoir Operations EIS/ROD as part of this RMP. (General Priority) 	<p>Same as “No Action,” plus:</p> <ul style="list-style-type: none"> ▪ USBR will work within the Navajo Reservoir Operations decisions and guidelines, to protect and enhance authorized purposes within the reservoir area. (General Priority) ▪ USBR and/or its managing entities will seek suitable alternate water sources (e.g., oil/gas produced water, irrigation return flows, etc.) to help meet resource management objectives. (Moderate Priority) ▪ USBR and/or its managing entities will clarify and quantify any water rights currently held by USBR

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		<ul style="list-style-type: none"> ▪ Reservoir operations include some flexibility to adjust releases to meet project purposes and other water rights, aid in endangered fish recovery, and provide for dam safety under varying climatic conditions. Operations may also include flexibility to provide supplemental water for various purposes until the water uses addressed in the EIS are fully developed and utilized (USBR, 2003b). ▪ USBR and/or its managing entities will ensure that their water use for beneficial uses within the reservoir area has the appropriate water rights assigned from the respective state. 	<p>or the respective state agencies for consumptive recreation purposes and wildlife management purposes, etc. within the reservoir area. They will take the necessary steps to adjudicate, finalize, protect, utilize, and transfer (where appropriate) those rights within the respective states. (High Priority)</p> <ul style="list-style-type: none"> ▪ USBR and/or its managing entities will obtain the necessary water rights for anticipated additional beneficial consumptive use of water within the reservoir area. (General Priority) ▪ USBR and/or its managing entities will obtain the necessary water rights and/or instream flows for wetland and riparian area enhancement within the reservoir area. (Moderate Priority)
NATURAL/CULTURAL RESOURCES			
General Natural and Cultural Resources	To manage natural and cultural resources and human use to provide long term maintenance, conservation, and sustainability of the environment and its resources.	<ul style="list-style-type: none"> ▪ Current natural resource management practices and processes will remain essentially unchanged, but may receive additional emphasis or funding on a case-by-case basis. (General Priority) ▪ NMSPD will continue to manage the Miller-Sambrito area within NM as general project lands for recreation and upland wildlife resources, including protection of wintering bald eagles in accordance with the 1990 amendment to the General Plan for fish/wildlife management. (General Priority) ▪ CDPOR will continue to manage the Sambrito Creek area in Colorado as general project lands with a focus on wetlands and environmental education. (General Priority) 	<p>Same as “No Action,” plus:</p> <ul style="list-style-type: none"> ▪ USBR will use an adaptive management process, including monitoring, continued research, and periodic plan review to adjust future resource management within the reservoir area. Such adaptive management will include additional public involvement and NEPA review and documentation. ▪ USBR will develop and implement a fire management plan. Said plan to be developed in coordination with appropriate agencies, including CDPOR, NMSPD, SUIIT, BLM, BIA, and local fire protection districts. (High Priority) ▪ USBR and/or its managing entities will develop and maintain an electronic GIS for the reservoir area.

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		<ul style="list-style-type: none"> ▪ The respective state game and fish departments will continue to manage fish and wildlife populations within the reservoir area in accordance with their statutory authority. (General Priority) 	<p>Said system to be comprehensive and coordinated with adjoining agency systems, including metadata. Data layers will include: (General Priority)</p> <ul style="list-style-type: none"> ▪ Vegetation ▪ Riparian and wetland areas ▪ Wildlife habitat ▪ Cultural resources ▪ Recreational use and development ▪ Visual resource management classifications ▪ Valid existing rights (VERs) ▪ Land status ▪ Land uses ▪ Oil/gas leasing and development ▪ Transportation system ▪ Accessibility for disabled persons ▪ Livestock rights and use areas <ul style="list-style-type: none"> ▪ USBR will designate reservoir area lands adjacent to BLM Special Management Areas as special management areas and manage them in a similar manner, but subject to USBR laws, policies and regulations. Designation of any SMAs will be done in accordance with 43 CFR Part 423 which includes public notice of the proposed SMA with its public use limits, conditions, restrictions, etc., in the Federal Register Notice at least 15 days before the action takes place. (General Priority)
Air Quality	To protect air quality from degradation.	On case-by-case basis and pursuant to NEPA or State review and documentation, ensure that mitigation measures necessary to maintain then current air quality requirements are applied to approved rights-of-use. (General Priority)	Same as “No Action.”
Soils	To protect soils from excessive erosion and contamination.	<ul style="list-style-type: none"> ▪ On a case-by-case basis and pursuant to NEPA or State review and documentation, ensure that 	Same as “No Action,” plus:

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		<p>mitigation measures necessary to protect soils from accelerated erosion and contamination are applied to approved rights-of-use. (General Priority)</p> <ul style="list-style-type: none"> On a case-by-case basis, reclaim disturbed areas and close unnecessary roads and trails to all use. Trails and roads to be closed and rehabilitated will be identified through a public involvement process. Future non-emergency closure of areas to public use will be done in accordance with 43 CFR Part 423 which includes a 30-day advance public notice of the proposed closure in a general circulation newspaper in the locale of proposed closure. (General Priority) 	<ul style="list-style-type: none"> USBR or its partner will conduct periodic inventories of disturbed areas; ensure scheduling and completion of reclamation efforts; monitor reclaimed areas for effectiveness of reclamation efforts; and ensure completion of remedial efforts in a timely manner. (General Priority)
Vegetation	To maintain a mosaic of diverse vegetative communities, with an emphasis on native vegetation.	<ul style="list-style-type: none"> USBR or its partner will ensure that disturbed areas are revegetated generally with an acceptable seed mix containing perennial herbaceous and grassy plants adapted to the locality. (General Priority) On a case-by-case basis and pursuant to NEPA review and documentation, require the planting of shrubs and trees adapted to the locality when reclaiming disturbed areas. (General Priority) 	<p>Same as “No Action,” with the following changes:</p> <ul style="list-style-type: none"> USBR or its partner will inventory, document and monitor the composition and condition of the major vegetative communities within the reservoir area. That information will be included in the GIS. (Moderate Priority) Disturbed areas will generally be reclaimed with an acceptable seed mix containing native perennial herbaceous and grassy plants adapted to the locality. (General Priority) On a case-by-case basis and pursuant to NEPA review and documentation, require the planting of native shrubs and trees adapted to the locality on disturbed areas, in order to meet other resource management objectives. (General Priority) Occasionally, and on a small-scale basis, use mechanical or cultural means to manipulate the

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
			vegetative composition to meet other resource management objectives. (General Priority)
Riparian/Wetlands	<ul style="list-style-type: none"> ▪ To protect and/or enhance riparian and wetland habitats. 	<ul style="list-style-type: none"> ▪ Protect and maintain riparian and wetland vegetation in the following areas: <ul style="list-style-type: none"> ▪ San Juan River below the dam ▪ Upper reaches of the Los Pinos, Piedra, and San Juan River arms ▪ Sambrito Creek/Miller Mesa (General Priority) ▪ Riparian and wetland management actions pursuant to site-specific NEPA review and documentation, may include: <ul style="list-style-type: none"> ▪ Site avoidance during construction or development. ▪ Control or removal of non-native plants ▪ Restrictions on livestock grazing and human use ▪ Planting native plants ▪ Providing low-tech, low-maintenance water management features. (General Priority) ▪ Manage the 38-acre Pine River wetland mitigation site (upper Los Pinos arm) in accordance with its design plan. Specific actions include: <ul style="list-style-type: none"> ▪ Fence site to preclude livestock use. ▪ Rehabilitate and stabilize stream banks and disturbed areas. ▪ Establish and maintain a variety of native riparian plants. ▪ Limit recreational use to walk-in, day use. (General Priority) 	<p>Same as “No Action,” with the following changes:</p> <ul style="list-style-type: none"> ▪ USBR or its partner will inventory, document and monitor the vegetative composition and condition of the riparian and wetland areas within the reservoir area. That information will be included in the GIS. (Moderate Priority) ▪ Enhance and expand native riparian and wetland vegetation in the following areas to meet these and other resource management objectives: <ul style="list-style-type: none"> ▪ San Juan River below the dam ▪ Upper reaches of the Los Pinos, Piedra, and San Juan River arms ▪ Sambrito Creek/Miller Mesa (Moderate Priority) ▪ Manage the anticipated expanded riparian area (due to reservoir operations) adjacent to the Pine River wetland mitigation site similar to the mitigation site. (Moderate Priority) ▪ Develop and implement an agreement for future management and monitoring of the Pine River wetland mitigation site and its expansion. (Moderate Priority)

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
Wildlife Habitat and Wildlife	To maintain a diverse complex of wildlife habitat consistent with the ecology of the area.	<ul style="list-style-type: none"> ▪ USBR or its partner will continue to implement the general plan for fish and wildlife management, as amended, within the reservoir area in New Mexico. (General Priority) ▪ CDPOR will manage fish and wildlife habitat in Colorado in accordance with the 1976 MOU between CDOW and CDPOR, as amended by the 1994 MOA between CDPOR and USBR. (General Priority) ▪ Impacts to wildlife and wildlife habitat from reservoir area uses will be mitigated on a case-by-case basis pursuant to NEPA review and documentation. (General Priority) ▪ The respective State fish and game agencies will continue their current management practices and processes for fish and wildlife resources within the reservoir area. The State programs and practices may be adjusted as necessary to comply with changes in Federal and State laws and regulations. (General Priority) 	<p>Same as “No Action,” with the following changes:</p> <ul style="list-style-type: none"> ▪ USBR will work with BLM and NM to develop and implement an agreement for coordinated habitat management of the reservoir area and adjoining lands similar to the 1965 Navajo Dam Land and Wildlife Management agreement between BLM and NM. (Moderate priority) ▪ USBR will develop and implement a general plan for fish and wildlife management within the Colorado portion of the reservoir area. Said plan to be developed in coordination with the CDOW, CDPOR, and USFWS. (Moderate Priority) ▪ USBR will coordinate with NMSPD, and CDPOR to implement environmental education opportunities and habitat enhancement proposals within the reservoir area. (Moderate Priority) ▪ Seasonal restrictions will be placed on facility construction within crucial elk and mule deer habitat. Construction activities will not be allowed as follows: <ul style="list-style-type: none"> ▪ From 12/1 to 3/31 within elk and mule deer severe winter range. ▪ From 12/1 and 7/14 within elk production areas in the CO portion of the reservoir area. (General Priority) ▪ In order to protect historic and active raptor nests from proposed facility construction and human activities. USBR will implement and enforce the following requirements: <ul style="list-style-type: none"> ▪ Seasonal closures from 2/15 through 7/15 within 0.5 mile of an active nest. Exceptions to this requirement may be allowed by USBR

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
			<p>pursuant to a site specific NEPA review and documentation.</p> <ul style="list-style-type: none"> ▪ Require occurrence surveys in suitable breeding habitat within 0.5 mile of a proposed construction site. ▪ Establish a buffer zone for active nests and enforce same during the breeding and nesting season for the particular species. The extent of the buffer zone will be based on species sensitivity, nest location, breeding phenology (e.g., courtship, incubation, fledging); topographic or vegetative screening, etc. (General Priority)
Fisheries and Aquatic Habitat	To provide a diverse, sustainable, fishery that supports recreational fishing opportunities.	<ul style="list-style-type: none"> ▪ CO and NM fish and game agencies will continue to monitor and manage the reservoir and stream fisheries pursuant to their statutory authority and their respective practices and processes. (General Priority) ▪ NMDGF will continue to manage about 4.4 miles of the San Juan River below Navajo Dam as quality trout waters, and may implement the following actions there (NMDGF 2004): <ul style="list-style-type: none"> ▪ Increase physical habitat independent of flow. ▪ Set and enforce a limit on anglers. (General Priority) 	<p>Same as “No Action,” plus: USBR will work with managing partner(s) and applicable agencies/organizations to:</p> <ul style="list-style-type: none"> ▪ Increase the physical aquatic habitat within the following stream segments: <ul style="list-style-type: none"> ▪ San Juan River quality trout waters below the dam. (Low Priority) ▪ At the Piedra River accessible fishing area. (Low Priority) ▪ Upper reaches of Los Pinos, Piedra and San Juan arms. (Low Priority) ▪ Implement riverine fisheries habitat improvement actions. Such actions may include: riparian area enhancements, increasing and maintaining stream pool habitats; placing structures for spawning or cover purposes. (Low Priority)
Threatened, Endangered and Sensitive Species	To manage lands and resources in the area to: <ul style="list-style-type: none"> ▪ Avoid jeopardy to the continued existence of any federally listed species, 	<p>All Species (General Priority)</p> <ul style="list-style-type: none"> ▪ Implement appropriate ESA review and consultation efforts with the USFWS and/or other agencies for proposed actions in potential or crucial habitat. 	<p>Same as “No Action,” plus:</p> <p>All Species (General Priority)</p> <ul style="list-style-type: none"> ▪ Complete a phased inventory for threatened, endangered, and sensitive species and their potential

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
	<ul style="list-style-type: none"> ▪ Avoid destruction or adverse modification of critical habitat, ▪ Avoid the need to list additional species, and ▪ Assist in the recovery of listed species. <p>(Endangered Species Act)</p>	<ul style="list-style-type: none"> ▪ Implement site and species specific mitigation measures for proposed actions pursuant to NEPA and ESA review, consultation, and documentation, <p>Mitigation measures may include:</p> <ul style="list-style-type: none"> ▪ species specific surveys prior to development ▪ site avoidance during development activities ▪ fencing ▪ seasonal closures ▪ restrictions on land use or development ▪ establishment of buffer zones <p>(Also see Appendix D)</p> <p>Bald eagle (General Priority)</p> <ul style="list-style-type: none"> ▪ Reclamation will continue to conduct winter counts in coordination with State wildlife agencies, BLM, and FWS. ▪ BLM continues to apply its Bald Eagle ACEC constraints to mineral and grazing activities in the NM portion of the reservoir area. <p>SW willow flycatcher (General Priority)</p> <ul style="list-style-type: none"> ▪ Protect potential SWWF habitat along the San Juan River below the dam and along the Los Pinos, Piedra and San Juan arms. (USBR, 2003b) ▪ USBR will develop and implement a SWWF Management Plan for the Navajo Reservoir Area, as an environmental commitment under the Navajo Reservoir Operations ROD. <p>Knowlton's cactus (General Priority)</p> <ul style="list-style-type: none"> ▪ Continue support and protection of the Knowlton cactus recovery site within the reservoir area. <p>Pikeminnow and razorback sucker (General Priority)</p> <ul style="list-style-type: none"> ▪ USBR will continue active participation in and 	<p>habitat within the reservoir area. The resulting data will be included and maintained in GIS.</p> <ul style="list-style-type: none"> ▪ Implement site and species specific habitat enhancement. Such actions may include: <ul style="list-style-type: none"> ▪ vegetative plantings or manipulation ▪ providing additional education and information ▪ Implement a species and habitat trend monitoring program. <p>Bald eagle (General Priority)</p> <ul style="list-style-type: none"> ▪ Designate USBR lands within the physical description of the FFO Bald Eagle ACECs as eagle special management areas with management similar to that prescribed for the BLM's ACEC. ▪ Identify additional bald eagle communal winter roost sites within the reservoir area and designate them as USBR bald eagle special management areas. ▪ The following management prescriptions will apply to all USBR bald eagle special management areas: <ul style="list-style-type: none"> ▪ All existing federal oil/gas leases: CSU constraints, including timing limitations from 11/1 through 3/31 within the buffer area; no disturbance throughout the year in the core areas; noise limitations where appropriate. ▪ New federal oil/gas leases: NSO constraints ▪ State, private and SUIT mineral development: see general requirements for all special status species. Appropriate site specific protective measures will be required and may include, any of the above. ▪ All other federal minerals will remain closed to mineral entry or development. ▪ ROWs may be permitted within buffer areas on a case-by-case basis with special management

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		<p>support of the SJRBRIP (USBR, 2003b).</p> <ul style="list-style-type: none"> USBR is committed to implementing the San Juan River flow recommendations or a reasonable alternative (USBR, 2003b). 	<p>constraints and mitigation; core areas are closed to ROWs.</p> <ul style="list-style-type: none"> Vegetative manipulations that benefit the purpose of the special management area may be allowed. SMA's closed to ORV use, except for reasonable O&M use under VERs. (BLM, 1992; BLM, 2003b) <p>SW willow flycatcher (General Priority)</p> <ul style="list-style-type: none"> Identify, protect, and enhance potential suitable SWWF habitat. Initial focus areas are the Los Pinos, Piedra and San Juan arms; the San Juan River below the dam; and the Miller Mesa-Sambrito area. Conduct periodic surveys for SWWF use and nesting within their potential suitable habitat.
Invasive Species and Pest Management	<p>To reduce the spread of invasive species and noxious weeds and prevent unacceptable pest damage in a manner that:</p> <ul style="list-style-type: none"> Integrates pest and environmental information, and control methods, Is cost efficient, and Presents minimal hazard to people, property, and the environment. <p>(adapted from Reclamation Manual, ENV P02- Pest Management Policy)</p>	<ul style="list-style-type: none"> USBR, BLM, CDPOR and NMSPD will continue to control or require the control of noxious weeds and other pests, as necessary, within their respective areas of jurisdiction. (General Priority) Pest control may be obtained through chemical, mechanical, biological, and/or cultural methods. (General Priority) Specific control actions are subject to additional environmental review and prior approval by USBR or BLM within their statutory and agreed authorities. Chemical use is also subject to use according to label specifics. (General Priority) 	<p>Same as "No Action," plus:</p> <ul style="list-style-type: none"> USBR in cooperation with its managing partners and BLM will develop and implement an Integrated Pest Management Plan for the reservoir area. Pests to be addressed may include but are not limited to: <ul style="list-style-type: none"> Noxious weeds and invasive plants. Includes such plants as, toadflax, purple loosestrife, white top, perennial pepperweed, knapweed, Canada thistle, musk thistle, tamarisk, and Russian olive. Non-plant species that can cause illness or death, or resource or property damage. Such pests may include but are not limited to: burrowing animals, zebra mussels, New Zealand mud snails, and mosquitoes. Main focus for control of burrowing animals is for dam safety and public health and safety.

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
			<p>(High Priority)</p> <ul style="list-style-type: none"> ▪ Pest control efforts will be integrated and will include a combination of chemical, cultural, biological, and mechanical methods. (General Priority) ▪ USBR or its partner will inventory the reservoir area for noxious plants, invasive species and other pests; map their locations and extent. That information will be included and maintained in the GIS. (Moderate priority) ▪ USBR or its partner will monitor the reservoir area and document the long-term trends in pests, particularly noxious plants and invasive species. (General Priority) ▪ USBR or its partner will monitor pest treatment sites and document the effects of control actions. (General Priority) ▪ USBR or its partner will include pest management as part of the education and interpretive programs within the reservoir area. (General Priority) ▪ USBR or its partner will include noxious weeds and invasive species as a component in a reservoir watch program. (General Priority) ▪ USBR or its partner will coordinate monitoring and control efforts with other federal, state, and local agencies.
Fire Management	To manage fire and fuels to protect the public, facilities, and re-sources and to help meet re-	<ul style="list-style-type: none"> ▪ USBR, CDPOR, and NMSPD will continue to coordinate with adjoining land management agencies and local fire protection districts for 	<p>Same as “No Action,” plus:</p> <ul style="list-style-type: none"> ▪ Develop and implement a reservoir area Fire

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
	<p>source management objectives.</p> <p>To coordinate fire and fuels management with adjoining land managers.</p>	necessary fire suppression. (General Priority)	<p>Management Plan which meets federal guidelines. Said plan to be coordinated with CDPOR, NMSPD, BLM, BIA, and local fire protection agencies. (High Priority).</p> <ul style="list-style-type: none"> ▪ Develop, implement, and maintain agreements for wildland fire suppression and management with BLM, BIA, and/or local fire protection agencies. (High Priority) ▪ Reduce wildland fire fuel hazards, as appropriate, within and adjacent to developed recreation areas, project facilities, employee housing, other facilities, and special management areas. (High Priority) ▪ Designate the reservoir area for “immediate and prompt suppression” of all wildfires. (High Priority) ▪ Coordinate fire management of the reservoir area with adjacent land managers. (General Priority) ▪ Include fire management as part of the interpretive and educational programs. (Moderate Priority) ▪ Use prescribed fire on a case-by-case basis as a tool to meet other resource management objectives. (General Priority)
Cultural Resources	<p>To locate, identify, evaluate, and manage cultural resources under USBR’s control and jurisdiction.</p> <p>To the fullest extent possible, preserve, in-situ, those cultural resources, eligible for or listed on the NRHP and to avoid adverse</p>	<ul style="list-style-type: none"> ▪ Conduct cultural resources inventories and evaluations in response to situations or proposals actions that may affect cultural resources. (General Priority) ▪ USBR will, to the fullest extent possible consistent with valid existing rights and pursuant to NEPA review and documentation, ensure that mitigation 	<p>Same as “No Action,” plus:</p> <ul style="list-style-type: none"> ▪ USBR will develop and implement a programmatic Cultural Resources Management Plan for the reservoir area. The plan will include, but is not limited to: <ul style="list-style-type: none"> ▪ Cultural resources laws, regulations, and policies

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
	<p>effects to those resources.</p> <p>To treat human remains and funerary objects with respect.</p>	<p>measures necessary to avoid or mitigate impacts to significant cultural resources (historic properties) are applied to authorized actions. Such measures may include, but are not limited to:</p> <ul style="list-style-type: none"> ▪ Inventory prior to ground disturbance ▪ Evaluation of the significance of the resource ▪ Relocation or modification of the proposed activity to avoid cultural resources, ▪ Monitoring during construction ▪ Monitoring effectiveness of mitigation measures ▪ Data recovery, including site testing and salvage excavation. ▪ Collection and documentation of cultural and scientific information ▪ Site stabilization ▪ Public education and information programs, ▪ Closing an area to various uses or limiting various uses within an area. <p>(General Priority)</p> <ul style="list-style-type: none"> ▪ Pursuant to applicable federal laws, USBR will ensure consultation with the following entities regarding the significance of cultural resources in the reservoir area: <ul style="list-style-type: none"> ▪ Knowledgeable Native Americans, Tribes, and Pueblos with cultural ties to the area. ▪ Colorado and New Mexico SHPOs. ▪ Advisory Council on Historic Preservation. <p>(General Priority)</p>	<ul style="list-style-type: none"> ▪ Inventory and evaluation- current status and additional needs. ▪ Site preservation assessments ▪ Site treatment plan development and implementation ▪ Monitoring ▪ Public awareness program (ARPA) ▪ Fire plan ▪ Priorities and schedules for completing action items ▪ Consultation with tribes and other cultural affiliations regarding resource significance and effects to the resource. ▪ NAGPRA plan ▪ Enforcement ▪ Standard Operating Procedures <p>(High priority)</p> <ul style="list-style-type: none"> ▪ USBR will ensure completion of a cultural resources inventory and evaluation of the reservoir area. This will be a phased effort pursuant to the CRMP. Priority areas for inventory should include, but are not limited to: <ul style="list-style-type: none"> ▪ The reservoir basin (late spring/early summer), ▪ Shelters, overhangs, and caves in upland areas, ▪ High use and high visibility areas. ▪ Areas scheduled for development. <p>That information will be included and maintained in the GIS. (High Priority)</p> <ul style="list-style-type: none"> ▪ USBR or its partner will include cultural resources and their protection in the reservoir watch/adoption program, and interpretive and public information and education programs. (Moderate Priority) <ul style="list-style-type: none"> ▪ Depending on the results of the cultural resources inventory, USBR may develop special management

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
			areas for the protection of those resources. Designation of such SMAs will be done in accordance with 43 CFR Part 423 which includes public notice of the proposed SMA with its public use limits, conditions, restrictions, etc., in the Federal Register Notice at least 15 days before the action takes place. (General Priority)
Indian Trust Assets	To conduct resource management activities in a manner that protects ITAs.	<ul style="list-style-type: none"> ▪ USBR will ensure the implementation of necessary actions to protect reservoir area ITAs during resource management activities within the reservoir area and pursuant to NEPA review and documentation. If ITAs cannot be adequately protected, mitigation will be required. (General Priority) 	Same as “No Action,” plus: <ul style="list-style-type: none"> ▪ USBR will identify, document, monitor, and track ITAs within the reservoir area. That information will be included and maintained in the GIS. (General Priority)
Paleontological Resources	<p>To locate, identify, evaluate, and manage paleontological resources under USBR’s control and jurisdiction.</p> <p>To the fullest extent possible, preserve, in situ, significant paleontological resources and to avoid adverse effects to those resources.</p>	<ul style="list-style-type: none"> ▪ Conduct paleontological resources inventories and evaluations in response to situations or proposed actions that may impact paleontological resources. (General Priority) <p>Require and enforce actions to avoid or mitigate impacts to paleontological resources. Such actions may include avoidance, site testing, salvage excavation, and/or monitoring during development activities. (General Priority)</p>	Same as “No Action.”
RECREATION AND VISUAL RESOURCES			
General Recreation	<p>To investigate, plan, construct, operate and maintain public recreation facilities to:</p> <ul style="list-style-type: none"> ▪ Conserve the scenery, the natural, historic, and archaeological objects, and the wildlife of the reservoir, and 	<ul style="list-style-type: none"> ▪ CDPOR and NMSPD will continue to manage the recreation and certain other resources in accordance with agreements between USBR and the respective agencies. (General Priority) ▪ Manage the following areas primarily for developed intensive recreational use within the 	Same as “No Action,” plus: <ul style="list-style-type: none"> ▪ Rehabilitate recreational facilities within Navajo Lake State Park (NM) in accordance with a schedule and activity plan to be coordinated between NMSPD and USBR. (High Priority)

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
	<ul style="list-style-type: none"> Provide for public use and enjoyment of the reservoir area by such means as are compatible with the primary purposes of the project. (Section 8, CRSPA) 	<p>constraints of VERs:</p> <ul style="list-style-type: none"> Pine River and Sims Mesa (NM) Arboles (CO) San Juan River Recreation Area (NM) (General Priority) <ul style="list-style-type: none"> Continue with the case-by-case rehabilitation of recreational facilities within Navajo Lake State Park (NM). (General Priority) CDPOR may continue with recreational development actions assessed under the recreation rehabilitation program, subject to the constraints included in that and subsequent related decisions. The additional action items include: <ul style="list-style-type: none"> Development of a 20-25 site Class C campground at Arboles Point. Designation of use areas. Closure/rehabilitation of unnecessary roads and trails. The constraints include: <ul style="list-style-type: none"> Application of mitigation measures to reduce impacts to other resources. Additional NEPA review/documentation for facilities outside of the initial rehabilitation effort. Do not designate or construct camp sites on the San Juan arm. (General Priority) The CDPOR closure of the Arboles airstrip due to liability and safety concerns associated with the airstrip will remain in effect with USBR support. (General Priority) The 2004 NMSPD closure of Miller Mesa to recreational vehicular access will remain in effect indefinitely with USBR support. If and when 	<ul style="list-style-type: none"> Incorporate the 2003 Navajo Lake State Park Management Plan and the Business Plan into the Navajo Reservoir RMP to the extent that NMSPD objectives are not incompatible with the primary purposes of the dam and reservoir. (General Priority) New recreational facilities, services, and programs may be provided pursuant to applicable laws, regulations, policies, and guidelines. Incorporate the amended Navajo State Park General Management Plan into the Navajo Reservoir RMP to the extent that CDPOR objectives are not inconsistent with the primary purposes of the dam and reservoir. (General Priority) In coordination with the respective State agencies, determine and, when necessary, enforce a carrying capacity for recreational use of the reservoir area and its facilities. Carrying capacity enforcement actions may include, but are not limited to: <ul style="list-style-type: none"> restricting parking and access use of reservations limits on the number of guides and float trips limits on the number of fishermen allowed in an area at a given time. limit or restrict boats at low water. (General Priority) Manage remote heavy-use, semi-primitive recreational use areas with appropriate restrictions to better manage use of the areas and better protect natural and cultural resources. Such areas include, but are not necessarily limited to: <ul style="list-style-type: none"> Miller Mesa/Sambrito Cove (NM) Colorado Cove (NM)

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		<p>NMSPD determines it can manage the area in an economically and environmentally sound manner, the area may again be opened to vehicular camping. At a minimum, similar constraints to what was previously required for the area's use, will apply. However, Reclamation and NMSPD may require additional constraints to better protect existing resources. Any proposal to reopen the area will be subject to additional public involvement and NEPA review and documentation. (General Priority)</p> <ul style="list-style-type: none"> ▪ The Piedra area (portions of Secs. 4, 5, 8, and 9, T33N, R5W and Secs. 32 and 33, T32N, R5W) will be managed by CDPOR for recreation and wildlife purposes, subject to the following conditions from their 1976 MOU with CDOW: <ul style="list-style-type: none"> ▪ One campground may be developed in such a way that it will not interfere with wintering deer and elk. Said facility will be closed to public recreational use from December 1 to April 1 each year to protect wintering wildlife. ▪ The wildlife wintering areas and the eagle roost trees will be protected. ▪ The fences and cattleguards constructed under the Pitman-Robertson Program will be protected and maintained for the period of their useful lives. (General Priority) ▪ On a case-by-case basis, as necessary, implement closures or restrictions on recreational use of the reservoir area to protect other resources or due to the lack of availability of funding or staffing. Future non-emergency closure of areas to public use will be done in accordance with 43 CFR Part 423 which includes a 30-day advance public 	<ul style="list-style-type: none"> ▪ Skinny Dip Cove (NM) ▪ Frances Arm (NM) ▪ Dick Earl Point (NM) ▪ Andy Point (NM) ▪ Upper Pine River arm (NM) <p>(General Priority)</p> <ul style="list-style-type: none"> ▪ USBR will work with CDPOR, and NMSPD to better manage the concentrated, heavy recreational use at remote sites. Management actions may include, but are not necessarily limited to: <ul style="list-style-type: none"> ▪ Defining and designating access routes and use areas ▪ Temporary closures of heavy use areas for rehabilitation or planning. ▪ Permanent closure of heavy use areas. ▪ Closing and rehabilitating unnecessary roads/trails ▪ Establishing use fees ▪ Enforcement of management actions. ▪ Not allowing expansion of such uses into new areas ▪ Setting carrying capacities or use limits on current popular use areas. ▪ Limiting vehicular access to the shoreline. <p>(General Priority)</p> <ul style="list-style-type: none"> ▪ Require that all remote area users provide for and implement effective removal and disposal of human waste and other trash or garbage. This may include, but is not limited to: (Moderate Priority) <ul style="list-style-type: none"> ▪ Proper use and maintenance of self-contained portapotties ▪ "Pack it in, Pack it out" requirements. ▪ Restrict use of the area known as Skinny Dip to informal day use only. Close the existing dirt road off DeLasso Loos Road to vehicle access and

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		<p>notice of the proposed closure in a general circulation newspaper in the locale of proposed closure. (General Priority)</p> <ul style="list-style-type: none"> ▪ CDPOR will maintain and enforce the following recreational use restrictions on the San Juan and Piedra arms (CO): <ul style="list-style-type: none"> ▪ Vehicular access only on designated routes. ▪ Parking only in designated parking areas. ▪ Day use only; no camping. ▪ Only non-motorized access beyond the designated parking areas. <p>(General Priority)</p> <ul style="list-style-type: none"> ▪ The reservoir area is open to hunting and fishing in accordance with the laws and regulations of the respective states. USBR and the state parks departments may, in consultation with appropriate agencies, designate areas and periods where no hunting and fishing shall be permitted for reasons of public safety, administration, or where public use and enjoyment is not compatible with hunting or fishing. ▪ Within the limitations of their administration and in compliance with State and Federal laws, the NM agencies are to make and enforce such laws, rules and regulations as are necessary and desirable to protect the health and safety of persons using the area and for the preservation of law and order. Such laws, rules and regulations are subject to the review and approval of USBR prior to publishing. 	<p>rehabilitate it. (Moderate Priority)</p>
Recreational Fishing	To increase recreational fishing opportunities by improving the quantity, function, sustainable	<ul style="list-style-type: none"> ▪ The respective game and fish agencies will continue to manage fish populations and fishing with-in the reservoir area according to State laws 	<p>Same as the “No Action Alternative,” plus:</p> <ul style="list-style-type: none"> ▪ The respective State agencies, may determine and,

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
	productivity, and distribution of aquatic resources. (EO 12962, June 7, 1995)	and regulations and any agreements with federal agencies. (General Priority)	<p>when necessary, enforce a carrying capacity for recreational fishing for the following areas:</p> <ul style="list-style-type: none"> ▪ San Juan River quality trout waters below the dam. (Moderate Priority) ▪ Navajo Reservoir (Low Priority) <p>▪ Carrying capacity enforcement actions may include, but are not limited to:</p> <ul style="list-style-type: none"> ▪ restricting parking and access ▪ use of reservations ▪ limits on the number of guides and float trips ▪ limits on the number of fishermen allowed in an area at a given time. ▪ Limit or restrict boats on the SJR below the dam when SJR river flows are below 350cfs. (General Priority) <p>▪ USBR and its managing entities will coordinate fisheries related activities with the respective state fish and game agencies. (General Priority)</p>
Off-Road Vehicle Use	<p>To control and direct the use of off-road and off-highway vehicles on USBR lands to:</p> <ul style="list-style-type: none"> ▪ Protect the resources on those lands, ▪ Promote the safety of all users of those lands, and ▪ Minimize conflicts among the various uses of those lands. <p>(Adapted from EO #11644, as amended.)</p>	<ul style="list-style-type: none"> ▪ The reservoir area is closed to ORV use until specific areas or trails are opened to such use in accordance with 43 CFR 420.21 (43 CFR 420.2). ▪ Navajo Lake State Park (NM) is closed to off-highway motor vehicle use, except for OHVs used by the division for operation and maintenance (NMAC 19.5.2.16). ▪ Navajo State Park (CO) is closed to OHV use except for CDPOR administrative use. ▪ The respective state park divisions will enforce the ORV closures within the reservoir area. (General Priority) 	<p>Same as "No Action, except:</p> <ul style="list-style-type: none"> ▪ CDPOR and NMSPD may allow fishing access by motor vehicles on designated routes within the reservoir basin at, but not necessarily limited to, the following locations: <ul style="list-style-type: none"> ▪ Arboles Point (CO) ▪ Windsurf Beach (CO) ▪ Pine River Boat Ramp (NM) <p>Any such use is subject to the prior completion of:</p> <ul style="list-style-type: none"> ▪ Marking of routes and parking areas, ▪ cultural resources inventories and clearances, and ▪ further NEPA evaluation and documentation. (General Priority)

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
Boating	To provide recreational boating opportunities within the reservoir area.	<ul style="list-style-type: none"> ▪ Retain and maintain existing boat launch facilities, marinas and boat service facilities at the Pine River, Sims Mesa, and Arboles recreation areas. (General Priority) ▪ CDPOR has assumed marina operations at Navajo State Park. (General Priority) ▪ Retain and maintain the current boating opportunities on the SJR below the dam, including: <ul style="list-style-type: none"> ▪ boat launch and recovery facilities ▪ no boats allowed on the SJ River from the dam to Texas Hole, except for official purposes (a river distance of about 1.5 miles). ▪ Non-motorized fishing only- SJR Quality waters from Texas Hole downstream to the reservoir area boundary. (General Priority) ▪ On a case-by-case basis, rehabilitate the boat launch and marina facilities at Pine River and Sims Mesa. (Moderate Priority) ▪ Maintain the existing wakeless boating zones in the following areas: <ul style="list-style-type: none"> ▪ La Jara Canyon (NM) ▪ Frances Canyon (NM) ▪ All boat ramp and marina areas (General Priority) ▪ Boating safety will continue to be regulated by the respective states. (General Priority) 	<p>Same as “No Action,” plus:</p> <ul style="list-style-type: none"> ▪ In coordination with the managing partners, determine if a reservoir boating carrying capacity is necessary to protect the quality of the reservoir boating experience. If determined necessary, then develop and enforce a reservoir boating carrying capacity. (Low Priority) ▪ In coordination with NMSPD, determine if a boating carrying capacity is necessary on the San Juan River quality trout waters below the dam to protect the quality of the recreation opportunities there. If determined necessary, then develop and enforce such a boating carrying capacity. (Moderate Priority)
Concessions	To provide opportunities for concession operations of recreational	<ul style="list-style-type: none"> ▪ Maintain opportunities for concessionaires to provide reasonable and appropriate recreational ser- 	Same as “No Action.”

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
	facilities and services.	vices within the reservoir area. (General Priority)	
Trails	To provide trail opportunities within the reservoir area for pedestrian, bike, and/or equestrian use.	<ul style="list-style-type: none"> ▪ Maintain the planned, currently existing trails for recreational use, including but not necessarily limited to: <ul style="list-style-type: none"> ▪ BLM horse trail (NM) ▪ Arboles nature trail (CO) ▪ Lakeview Trail (CO) ▪ San Juan River Trail (NM) (General Priority) ▪ Allow CDPOR to construct the Piedra/San Juan portion of the hike/bike trail authorized in the recreation rehabilitation program, subject to the constraints imposed by the decisions for that program. Said constraints include: <ul style="list-style-type: none"> ▪ Additional site- and case-specific NEPA review/documentation ▪ Siting to avoid riparian/wetland areas, historic properties, and potential SWWF habitat. (General Priority) ▪ On a case-by-case basis, plan, construct, operate, and maintain additional recreational trails within the reservoir area. Such trails, prior to construction, will be subject to additional NEPA review, and implementation of necessary mitigating measures to protect other resources. (General Priority) 	<p>Same as “No Action, plus.”</p> <ul style="list-style-type: none"> ▪ USBR, NMSPD, and BLM will work together to review and possibly authorize that portion of the Navajo Lake Horse Trail within the reservoir area.
Public Information and Education	To develop and implement an integrated public information and education program for the reservoir area.	<ul style="list-style-type: none"> ▪ The current “state parks” interpretive programs will be continued, including periodic maintenance, revision and/or upgrading. (General Priority) 	<p>Same as the No Action Alternative, plus:</p> <ul style="list-style-type: none"> ▪ USBR will work with its partners to develop and implement a reservoir area public information and education program that includes:

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
			<ul style="list-style-type: none"> ▪ Life histories and habitat used by the important game fish species within the reservoir area. ▪ Information to increase fishing opportunities for under-utilized species in the reservoir fishery. ▪ Water quality issues and concerns. ▪ Valid existing rights and joint area use and management. ▪ Invasive species issues and control. ▪ Cultural resource protection ▪ Wildlife and wildlife habitat ▪ USBR project purposes and operation ▪ Wetlands, ▪ Resource protection measures ▪ History of people and communities of the area ▪ Public Safety- remote camping and potential hazards from flash floods. ▪ San Juan River Basin Recovery Implementation Program (endangered fish) <p>(General Priority)</p>
Employee Housing	To provide for limited housing for government employees within the reservoir area.	<ul style="list-style-type: none"> ▪ Provide for and/or maintain limited housing opportunities for state park and other state or federal employees at the following locations: <ul style="list-style-type: none"> ▪ Arboles Recreation Area (CO) ▪ Pine River Recreation Area (NM) ▪ Sims Mesa Recreation Area (NM) ▪ Old Government Camp Area (NM) <p>(General Priority)</p>	Same as “No Action Alternative”.
Visual Resources	To conserve the quality of the reservoir area’s scenic values by minimizing additional visual intrusions within the reservoir area	<ul style="list-style-type: none"> ▪ On a case-by case basis and pursuant to additional NEPA review and documentation, require new development activities to mitigate visual resource impairment for new facilities and their associated 	Same as “No Action Alternative,” plus: <ul style="list-style-type: none"> ▪ Assign the following Visual Resource Management (VRM) classifications to the following areas within

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
	and reducing the effects of those that already exist.	surface disturbance. (General Priority)	<p>the reservoir area; then manage for their respective objectives:</p> <ul style="list-style-type: none"> ▪ Class III <ul style="list-style-type: none"> ▪ Developed recreation areas (Arboles, Pine River, Sims Mesa, San Juan River Recreation Area) ▪ PJA ▪ Class II- Remainder of the reservoir area. Use BLM VRM guidelines for this action (see Table 3-6). (General Priority) <ul style="list-style-type: none"> ▪ Use BLM VRM guidelines to meet the objectives of the respective visual resources classes. (General Priority) ▪ Work with VER holders to reduce existing visual impacts from prior activities. (General Priority)
LANDS AND LAND USES			
General Lands and Land Use	To manage lands and land use in a manner that protects Reclamation project purposes and other resources and that is consistent with area constraints.	<ul style="list-style-type: none"> ▪ Reclamation will continue case-by-case review of proposed actions, including NEPA documentation and application of mitigation measures, with the final decision subject to various constraints. Such constraints may include, but are not limited to: <ul style="list-style-type: none"> ▪ VERs and associated terms and conditions ▪ Determination of subordinate rights ▪ Compatibility with USBR project purposes ▪ Protection of USBR project purposes and facilities ▪ Applicable laws, regulations, and policies. (General Priority) ▪ To the fullest extent possible consistent with VERs, USBR will ensure that mitigating measures developed during its case- and site-specific reviews are incorporated into or applied to all pro- 	<p>Same as “No Action Alternative,” plus:</p> <ul style="list-style-type: none"> ▪ USBR, in coordination with other appropriate regulatory and administrative agencies and stakeholders, will develop Standard Operating Procedures for re-viewing proposed actions within the reservoir area, establishing mitigating measures to be applied to authorized actions, and guiding the decision-making process. (General Priority) ▪ Every 5 years, USBR and its managing entities will conduct land use reviews and inventories to identify land uses and ensure that such use is in accordance with the RMP and VERs. (General Priority)

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		posed development activities within the reservoir area. (General Priority)	
Reclamation Project Operations and Facilities	To protect, operate, and maintain Navajo Dam and Reservoir, and project facilities to meet USBR project purposes.	<ul style="list-style-type: none"> ▪ The PJA will remain under the jurisdiction of Reclamation for the protection and operation of the dam and associated facilities. USBR, at its discretion may authorize or restrict public use of the PJA. (General Priority) ▪ USBR will, continue to operate and maintain the reservoir area and the Navajo Unit facilities to meet the intent and objectives of Reclamation law, as amended, including the Colorado River Storage Project Act and other applicable Federal laws. Such operations/maintenance shall include the application of mitigating measures to proposed activities or uses in order to protect reservoir area resources, and project purposes and facilities. (General Priority) ▪ USBR will implement the decisions from its Navajo Reservoir Operations EIS/ROD. Resource management decisions from that EIS/ROD will be incorporated into the Navajo Reservoir Area RMP without further NEPA review. (General Priority) ▪ USBR will establish and implement security measures to protect the dam and other project facilities. This may include, among other things: closing areas to public use, and increasing law enforcement presence. (General Priority) ▪ USBR will ensure that measures it deems necessary to protect the dam, its appurtenant 	Same as “No Action Alternative.”

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		facilities, and public safety are applied to actions which may be authorized within and adjacent to the PJA. (General Priority)	
Valid Existing Rights	To identify, and honor valid existing rights within their documented terms and conditions.	<ul style="list-style-type: none"> ▪ USBR will determine and document major valid existing rights with their terms and conditions as they come to our attention. (General Priority) ▪ USBR will honor valid existing rights within their terms and conditions, and ensure enforcement of any requirements for protection of resources and USBR facilities and interests. (General Priority) 	<p>Same as “No Action Alternative,” plus:</p> <ul style="list-style-type: none"> ▪ USBR will complete an inventory of and document all major valid existing rights with their terms and conditions and provide the resulting information to its managing entities. (High Priority) ▪ Include an explanation of valid existing rights and uses in interpretive and public education and information programs. (General Priority) ▪ Work with the holders of valid existing rights and encourage them to take action outside of the terms and conditions of their authorizing instruments to reduce impacts to and/or enhance other resources. (General Priority) ▪ Reclamation will work with VER holders to develop surface use agreements that will help Reclamation and the VER holder meet their respective management objectives while protecting the rights and interests of both parties. (General Priority)
Mineral Development	To allow development of reservoir area mineral resources in a manner that is compatible with project purposes and valid existing rights, and that adequately protects reservoir area resources.	<p>General</p> <ul style="list-style-type: none"> ▪ BLM will continue to manage federal leasable mineral resources within the reservoir area in New Mexico in accordance with the following: <ul style="list-style-type: none"> ▪ The 1983 USBR/BLM IA, and ▪ The 1967 USBR/BLM/NM agreement, to the extent it is not inconsistent with the 1983 IA 	<p>Same as “No Action,” plus:</p> <p>General</p> <ul style="list-style-type: none"> ▪ At such time as the SUIIT proposes to develop its mineral rights on formal Tribal lands within the reservoir area, USBR will work with the SUIIT to allow mineral development on those lands in a manner that ensures non-impairment of the Navajo

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		<ul style="list-style-type: none"> ▪ Applicable decisions related to leasable minerals and their development from the FFO 2003 RMP to the extent they are not inconsistent with valid existing rights. (General Priority) ▪ To the fullest extent possible subject to valid existing rights, USBR will ensure that mitigating measures are applied to all proposed mineral development activities within the reservoir area to mitigate potential adverse impacts to reservoir area resources and Reclamation project works and purposes. Mitigation measures will be developed on a case- and site-specific basis following additional NEPA assessment and evaluation. (General Priority) ▪ All minerals within the reservoir not acquired or retained by the US may be developed subject to: <ul style="list-style-type: none"> ▪ applicable federal, state, and local laws, regulations, and policies ▪ general real estate law ▪ applicable terms and conditions from the legal documents that reserved or transferred such mineral rights ▪ coordination with USBR (General Priority) ▪ Until the 1967 Agreement is replaced with a new supplemental agreement between USBR and BLM for federal oil/gas management within the reservoir, the agencies will continue to use the concurrent review of proposed actions with USBR and BLM ensuring that mitigating measures necessary to protect Reclamation project facilities and reservoir area resources are applied to authorized activities. (General Priority) 	<p>Dam and Reservoir project as prescribed by PL 87-828. Additional NEPA analysis and documentation will be completed at that time. (General Priority)</p> <p>Leasable Minerals Oil/Gas (General Priority unless otherwise stated)</p> <ul style="list-style-type: none"> ▪ Reclamation will pursue the termination and replacement of the 1967 USBR/BLM/NM agreement or its revision to bring it into compliance with the 1983 IA, Reclamation directives and standards, the 2003 Farmington RMP, and the National Energy Policy Act of 2005. (High Priority) ▪ No drilling will be allowed at any depth within 1,500 horizontal feet of Navajo Dam or its appurtenant structures in order to protect the integrity of those facilities. ▪ Exceptions to the NSOs and no drilling constraints within the reservoir area for protection of Reclamation project purposes, facilities, and water quality may be granted by USBR if the operator shows in writing and to the satisfaction of Reclamation that its operations: <ul style="list-style-type: none"> ▪ Adequately protect the integrity of Reclamation's facilities potentially affected by the action ▪ Will not interfere with the construction, operation, and maintenance of any works of the Navajo Unit, CRSP, or other Reclamation projects. ▪ Will prevent pollution, and ▪ Will not adversely affect the water supply of the Navajo Unit, CRSP. ▪ Adequately protects natural and cultural resources. (General Priority)

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		<p>Locatable Minerals</p> <ul style="list-style-type: none"> The locatable federal mineral estate within the reservoir area is not available for entry under the general mining laws of the United States. (General Priority) <p>Leasable Minerals <i>Oil/Gas</i></p> <ul style="list-style-type: none"> BLM, FFO will manage federal oil/gas leases on the New Mexico portion of the reservoir area in accordance with the decisions from the Farmington RMP/ROD (BLM, 2003b), as corrected by the errata sheet issued 1/22/04: <ul style="list-style-type: none"> All new leases- No Surface Occupancy (NSO) constraints on all USBR lands Existing leases <ul style="list-style-type: none"> No Surface Occupancy (NSO) constraints within <ul style="list-style-type: none"> 1,500 feet of Navajo Dam and appurtenant structures. 500 feet of the maximum highwater line (elev. 6,101.5 feet above MSL) of Navajo reservoir. 500 feet of the San Juan River Controlled Surface Use (CSU) constraints on the remaining area: <ul style="list-style-type: none"> Timing Limitation (TL), from December 1 through March 31, applied to the entire reservoir area, unless exempted by USBR. This TL applies only to construction, drilling, and completion activities. All USBR lands managed as a boundary-focused Noise Sensitive Area (NSA) pursuant to NTL 04-2 FFO. 	<ul style="list-style-type: none"> USBR will recommend adoption of applicable objectives and management actions from the BLM/BIA Oil/Gas EIS and the FFO RMP for future oil and gas development on former SUIT lands within the reservoir area in CO. (Moderate Priority) USBR will adopt and apply the oil/gas development requirements from the BLM FFO RMP to all oil/gas development within the reservoir area to the fullest extent possible consistent with valid existing rights. (General Priority) USBR will develop a cooperative agreement with BIA, SUIT, State of Colorado for the coordinated use of appropriate lease terms and conditions and conditions of approval to protect resources while allowing oil/gas development. (Moderate Priority) USBR will discourage the placement of oil/gas wells in the developed recreation areas to reduce conflict between oil/gas production activities and recreational use. (General Priority) USBR will consider the establishment of 1 to 4 permanent water-haul pump sites within the reservoir area with storage tanks and the truck load-out area back from the reservoir's edge. (Moderate Priority) USBR will work with BLM, BIA, COGCC, NMOCD, the oil/gas industry, local regulatory agencies, and others to develop consistently worded COAs and stipulations for use throughout the San Juan Basin and to streamline permitting processes while providing necessary protection for Reclamation lands, resources, and facilities.

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		<ul style="list-style-type: none"> ▪ Production facilities will not be located on the ridgeline above the reservoir and will be designed to minimize their visibility from the reservoir and other areas. ▪ Co-location of gas well facilities will be encouraged to minimize surface disturbance and the duplication of facilities. Such co-location will not be allowed within the 500 foot NSO. <p>▪ Application of mitigation measures to proposed oil/gas development for protection of other resources during development. Such measures will be developed on a case- and site-specific basis pursuant to additional NEPA review and documentation and will be consistent with lease rights. (General Priority)</p> <p>Saleable Minerals</p> <ul style="list-style-type: none"> ▪ Disposal of saleable minerals from the reservoir area will be considered on a case-by-case basis. Any authorization of such a proposal will be subject to NEPA review and documentation, and measures to mitigate impacts to other resources. (General Priority) 	<p>(General Priority)</p> <p>Saleable Minerals</p> <ul style="list-style-type: none"> ▪ USBR will ensure that old sand/gravel pits within the reservoir area are reclaimed according to their permits and the permits closed out. This includes, but is not necessarily limited to: <ul style="list-style-type: none"> ▪ The old Archuleta County pit in the upper San Juan arm (High Priority)
Rights-of-Way and Miscellaneous Use Authorizations	To consider requests for rights-of-way and other land uses compatible with project purposes.	<ul style="list-style-type: none"> ▪ USBR will, on a case-by case basis, consider the authorization of rights-of-way and miscellaneous uses within the reservoir area. (General Priority) ▪ Pending the development of a new supplemental agreement with USBR, FFO will authorize and manage Federal Mineral Leasing Act rights-of- 	<p>Same as “No Action Alternative,” plus:</p> <ul style="list-style-type: none"> ▪ USBR will coordinate with its managing partners and BLM, to determine acceptable alignment of local oil/gas gathering and electrical transmission lines within the reservoir area. (General Priority)

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		<p>way within the New Mexico portion of the reservoir area in accordance with its 2003 RMP, the 1983 USBR/BLM IA, and the 1967 USBR/BLM agreement to the extent it's not inconsistent with current laws, regulations, policy and the 1983 IA. (General Priority)</p> <ul style="list-style-type: none"> USBR and/or FFO will ensure that mitigation measures are incorporated into or applied to all rights-of-way and miscellaneous uses authorized within the reservoir area. (General Priority) 	<ul style="list-style-type: none"> USBR will encourage and work with holders of valid existing rights-of-way or other authorized uses to remediate past disturbances and/or problems. This may include rehabilitation of disturbed areas, control of noxious weeds, retro-fitting facilities to reduce potential for pollution or other resource damage, and limiting human activities at certain times or in certain areas. (General Priority) USBR will coordinate with BLM and the appropriate state and county agencies in developing local utility systems adjacent to the reservoir in New Mexico. (High Priority)
Transportation	To develop a local transportation system that meets the needs of the reservoir area and protects its resources.	<ul style="list-style-type: none"> On a case-by-case basis, close to general public use, certain existing roads or trails that provide remote access to the reservoir area. Said closures to be made to prevent excessive damage to natural or cultural resources, allow for rehabilitation of impacted areas, or to accommodate administrative constraints. (General Priority) On a case-by-case and site specific basis, close and reclaim unnecessary roads and vehicular trails within the reservoir area. (General Priority) 	<p>Same as "No Action," plus:</p> <ul style="list-style-type: none"> USBR will coordinate with BLM and the appropriate state and county agencies in developing a transportation system adjacent to the reservoir in New Mexico. (High Priority) Close to general public use certain roads within the reservoir area, including, but not limited to, access to the following areas: <ul style="list-style-type: none"> Sambrito (NM) Francis Canyon (NM) Herrera Pump Access (CO) (Moderate Priority) Close to all vehicular use and reclaim unnecessary roads and trails within the reservoir area, including but not limited to the following areas: <ul style="list-style-type: none"> Sambrito (NM) Miller Mesa (NM) Francis Canyon (NM) (Moderate Priority)

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
Accessibility for Persons with Disabilities	To ensure that facilities, programs, and services at the reservoir area meet federal requirements for accessibility for persons with disabilities.	<ul style="list-style-type: none"> ▪ Incorporate requirements for accessibility for persons with disabilities into reservoir area facility designs and construction, programs, and services. (General Priority) ▪ Conduct periodic reviews of accessibility for persons with disabilities in reservoir area facilities, programs, and services; identify shortcomings and implement remedial action. (General Priority) ▪ NMSPD plans to add an accessible fishing access at Cottonwood Day Use Area; priority 10 of 13 items in its FY05 Action Plan. (General Priority) 	Same as “No Action.”
Livestock Management	To manage livestock use within the reservoir area in a manner that protects or enhances other natural resources and uses, particularly water quality, soils, vegetation, wildlife habitat, and recreation.	<ul style="list-style-type: none"> ▪ The reservoir area is subject to incidental livestock grazing associated with reserved rights for livestock trailing or watering. USBR will enforce any use constraints associated with those rights. (General Priority) ▪ Navajo State Park (CO) will remain closed to livestock grazing, except for incidental grazing associated with the reserved rights. (General Priority) ▪ Except for the following areas, Navajo Lake State Park (NM) is available for livestock grazing, under BLM permit: (General Priority) <ul style="list-style-type: none"> ▪ Pine River Recreation Area ▪ Sims Mesa Recreation Area ▪ San Juan River Recreation Area ▪ Miller Mesa Area ▪ The Knowlton cactus recovery site 	<p>Same as “No Action,” plus:</p> <ul style="list-style-type: none"> ▪ Ensure enforcement of applicable objectives and management actions for grazing management from the Farmington RMP (BLM) within the New Mexico portion of the reservoir area. (General Priority) ▪ Close the Northern Loops portion of the Pine River Recreation Area (NM) to livestock grazing under BLM permit. (High Priority) ▪ Work with the holders of reserved livestock rights to reduce the impact of such use to the reservoir area. This may include defining the manner and location of such use; alternative methods for meeting the reserved right; and possible elimination of such rights. (General Priority)

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		<ul style="list-style-type: none"> ▪ All reservoir area lands adjacent to the SJR below Navajo dam. ▪ Pine River wetland mitigation site <p>However, some of these closed areas may be subject to incidental grazing associated with reserved rights for livestock trailing or watering.</p> <ul style="list-style-type: none"> ▪ FFO (BLM) will manage federal livestock grazing within Navajo Lake State Park (NM) in accordance with the Farmington RMP, MOA # 0-LM-48-00003, and the USBR/BLM 1983 IA, as they may be amended. (General Priority) ▪ USBR or its managing entity will promptly resolve all incidents of unauthorized livestock grazing on a case-by-case basis. (General Priority) 	<ul style="list-style-type: none"> ▪ Install and maintain adequate fencing or other barriers at appropriate locations to prevent unauthorized livestock use. Initial areas for this action include, but are not limited to: <ul style="list-style-type: none"> ▪ Miller Mesa/Sambrito Creek area ▪ Pine River wetland mitigation area (NM). ▪ Piedra and San Juan Arms (CO) (Moderate Priority) ▪ USBR may, on a case-by case basis, consider the use of occasional, short-term livestock grazing as a vegetative management tool within areas otherwise closed to livestock grazing. Any such use that may be authorized will be subject to conditions of use to protect other resources. (General Priority)
Land Tenure	To retain under USBR jurisdiction those lands and land interests necessary to meet and protect USBR project purposes.	<ul style="list-style-type: none"> ▪ USBR will conduct periodic reviews of its land and land interest holdings, determine its continued need (if any) for them, and if no longer necessary for project purposes, implement appropriate action. Such action may include transfer of land to another agency, relinquishment and revocation of withdrawals, or disposal of lands. (General Priority) 	<p>Same as “No Action,” plus:</p> <ul style="list-style-type: none"> ▪ USBR will complete the withdrawal review for the Navajo Reservoir area in accordance with the 1983 Interagency Agreement between USBR and BLM, and FLPMA requirements. (Moderate Priority) ▪ USBR will determine the continued need, if any, for the following parcels and recommend appropriate action, then follow through on the recommendations: <ul style="list-style-type: none"> ▪ The isolated 160+ acres of land north of the dam. ▪ The Sportsman Restaurant parking area unauthorized use. (Moderate Priority)
Boundaries	To identify the reservoir area boundary.	<ul style="list-style-type: none"> ▪ Survey, fence and/or otherwise mark the reservoir area boundary, as the need arises. (General Priority) 	<p>Same as the “No Action Alternative,” plus:</p> <ul style="list-style-type: none"> ▪ Implement a proactive, phased effort to survey, and

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
			fence or otherwise mark the reservoir area boundary. Areas to be considered first include adjoining private lands, existing roads and trails in close proximity to the recreation areas, and areas involving unauthorized use. (General Priority) <ul style="list-style-type: none"> ▪ Identify and resolve reservoir area boundary discrepancy at the upper end of the San Juan arm (CO). (General Priority)
Unauthorized Use	To resolve incidents of unauthorized use and to reduce the potential for future unauthorized use.	<ul style="list-style-type: none"> ▪ Promptly resolve incidents of unauthorized use on a case-by-case basis, as they are discovered. (General Priority) ▪ CDPOR will maintain and enforce the closure of the Arboles airstrip with USBR support. (General Priority) 	Same as “No Action,” plus: <ul style="list-style-type: none"> ▪ Advise visitors to the area of the differences in management and use. (General Priority) ▪ Fence or otherwise barricade sections of the reservoir area boundary to discourage unauthorized access and/or uses. (General Priority)
Law Enforcement	To have an appropriate level of law enforcement within the reservoir area to protect: <ul style="list-style-type: none"> ▪ Public health and safety ▪ Project purposes and facilities ▪ Private and public property ▪ Natural and cultural resources 	<ul style="list-style-type: none"> ▪ USBR enforces administrative compliance with applicable federal laws and regulations. (General Priority) ▪ State and county law enforcement agencies enforce applicable state and county laws. (General Priority) ▪ FFO (BLM) enforces regulatory compliance on federal mineral and livestock grazing leases and Mineral Leasing Act rights-of-way within the New Mexico portion of the reservoir area. (General Priority) ▪ Federal, state, and local regulatory agencies (e.g., 	Same as “No Action,” plus: <ul style="list-style-type: none"> ▪ USBR will develop and implement agreements for expanded law enforcement on reservoir area lands. Possible partners include: <ul style="list-style-type: none"> ▪ State Agencies- Colorado and New Mexico: fish/wildlife, state police, CDPOR ▪ Federal Agencies- BLM, BIA ▪ County Sheriffs- CO: La Plata and Archuleta; NM: San Juan and Rio Arriba ▪ Southern Ute Indian Tribe (Moderate priority)

Management Category	Objective(s)	Management Actions (Priorities) by Alternative	
		No Action	Proposed Action
		EPA, COGCC, CWQCC, NMOCD, etc.) will enforce applicable laws, regulations, etc., within their jurisdictional authority.	