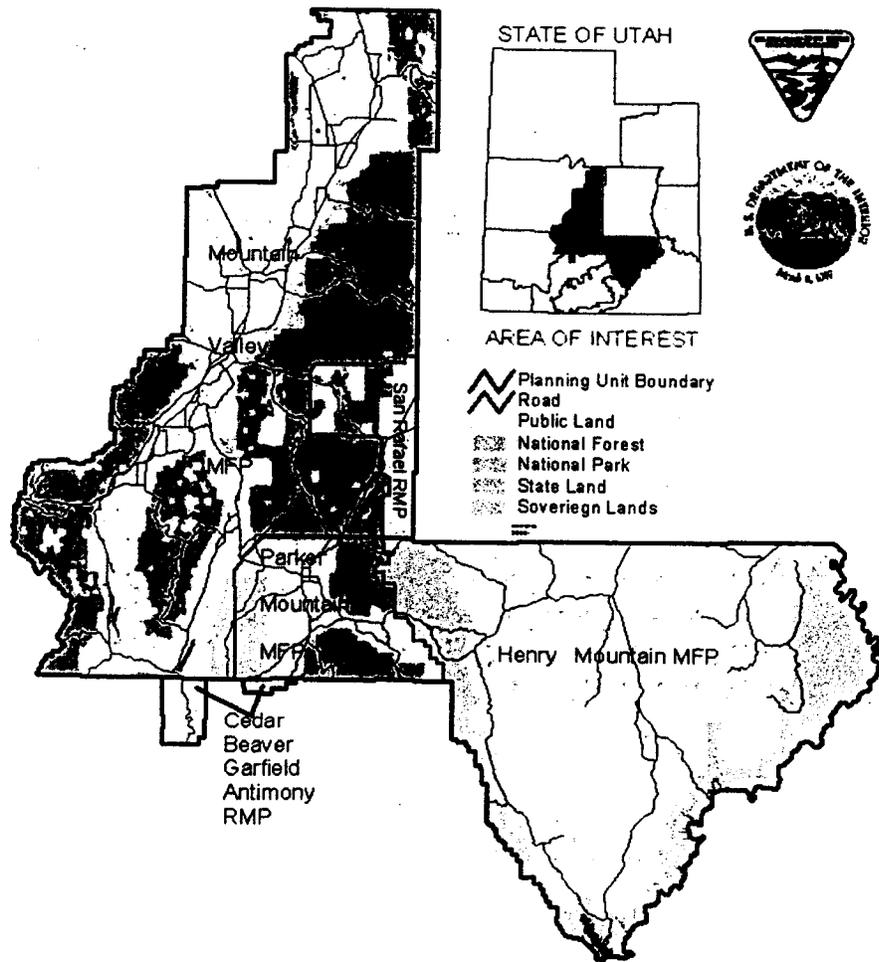


Pre-Plan Analysis for the Richfield Field Office Resource Management Plan



Prepared by
the Richfield Field Office
May 8, 2001

**Pre-Plan Contract
for the
Richfield Field Office
Resource Management Plan**

RECOMMENDED:

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May 11, 2001

Date

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May 14, 2001

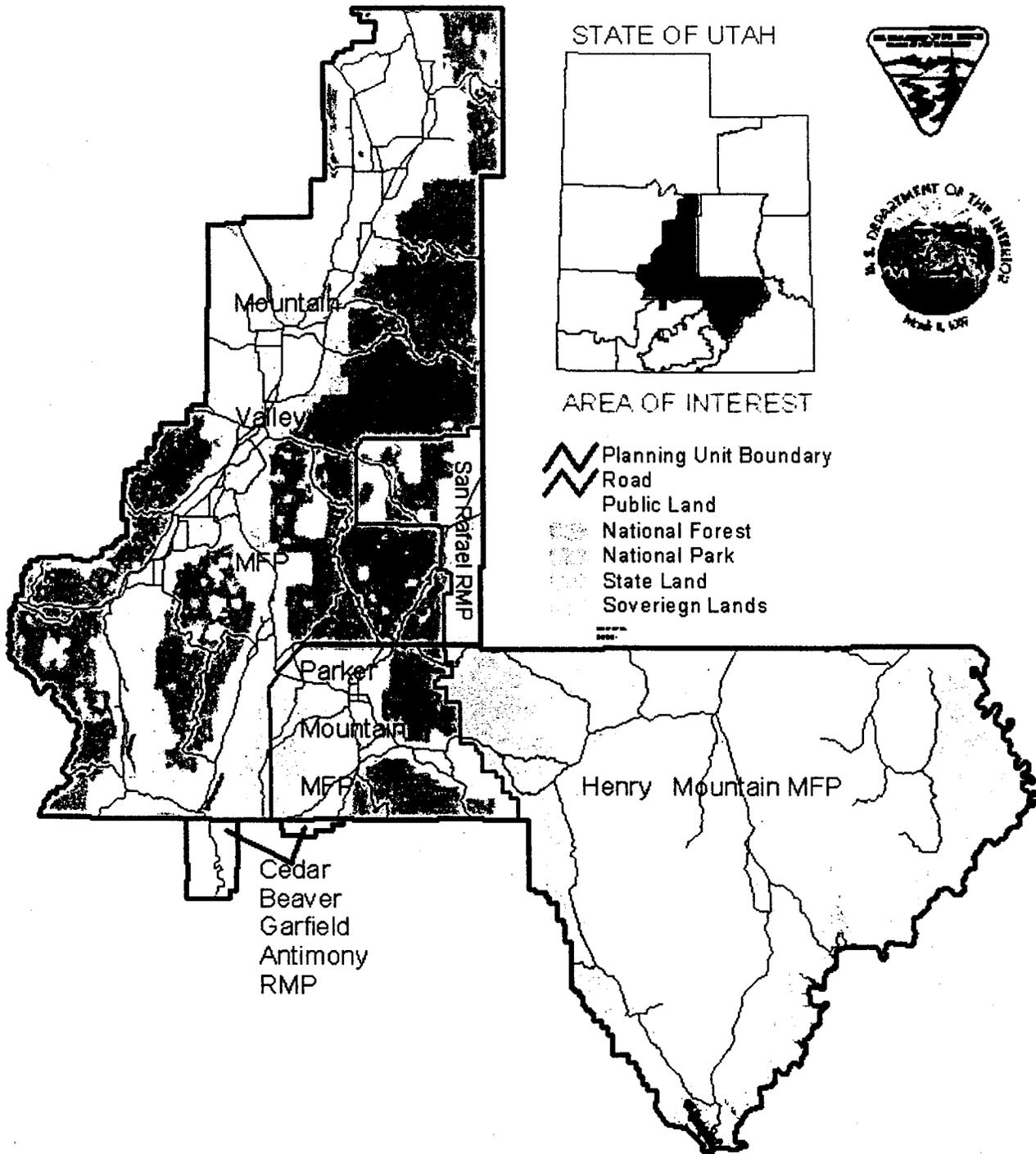
Date

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**PREPARATION PLAN
FOR THE
RICHFIELD FIELD OFFICE
RESOURCE MANAGEMENT PLAN**

A. INTRODUCTION

The Richfield Field Office proposes to prepare a new Resource Management Plan (RMP) that will cover the area previously covered by these five Land Use Plans (LUP's):

- The Mountain Valley MFP, approved in 1982
- The Henry Mountain MFP, approved in 1982
- The Parker Mountain MFP, approved in 1982
- The Cedar-Beaver-Garfield-Antimony (CBGA) RMP, approved in 1984
- The San Rafael RMP, Approved in 1991

1. Background

The Richfield Field Office (RFO) is comprised of the RFO and the Henry Mountains Field Station (HMFS) and is situated in the canyon, plateau and desert areas of both the Great Basin and Colorado Plateau physiographic provinces. It is located in south-central Utah encompassing all of Sanpete, Sevier, Piute, and Wayne Counties, and portions of Garfield County, plus some grazing administration responsibilities in a small portion of Emery County (see Map 1). The area is bordered by the Colorado River, Glen Canyon National Recreation Area, and Capitol Reef National Park, and portions of the Manti-LaSal, Fishlake, Dixie, and Uinta National Forests. The major waterways include the Sevier, San Pitch, Fremont, Muddy, and Dirty Devil Rivers; and the Piute, Otter Creek, and Sevier Bridge (Yuba) reservoirs. Elevations in the area range from about 3,800 feet along the Cane Spring Desert to over 11,500 feet at Mt. Ellen in the Henry Mountains.

The RFO boundaries embrace diverse topography, numerous historic communities, scenic landscapes, and recreational attractions that figure prominently in the settlement, history, culture, and recreational enjoyment of Southern Utah. Most traditional occupational pursuits historically associated with Utah can be found, such as farming, ranching, mining ventures, tourism, retail trade, transportation and construction. Major transportation routes include Interstate 70; US Highways 50 and 89; and State Routes 22, 24, 28, 62, 95, 132, and 276 (see map).

The RFO includes about 2.2 million acres of public lands administered by the BLM, plus about 40,000 acres that were picked up within Garfield County. In addition the RFO administers the oil and gas leasable mineral estate located within the Fishlake and Manti LaSal National Forests.

There are about 30 communities located within the planning area. The RFO area shares common boundaries with the BLM Fillmore, Cedar City, and Price Field Offices.

2. Purpose and Need

Since completion of the current LUPs, considerable changes have occurred through the planning units. Heightened public awareness, increased public demand for use of the lands, and increases in conflict between competing resource values and conflicting land uses continue to challenge BLM's management goals and objectives. The RFO is facing a wide variety of issues affecting local communities, regional and state interests, and the health of our natural resources.

Given the nature of the issues that face the RFO and their overlap between Federal, Tribal, State and local jurisdictions, the RFO will combine five current LUP's into one planning document. It is anticipated the new plan will require changes in many of the prior MFP/RMP decisions related to the management of public lands. There are a number of new issues, higher levels of controversy around existing issues, and new (unforeseen) public land uses and concerns that have arisen over the years which were not included or were not adequately addressed in the existing plans.

The purpose of the plan will be to establish guidance, objectives, policies, and management actions for public lands administered by the RFO. The plan will be comprehensive in nature, and will resolve or address issues within the RFO jurisdictional boundaries which are identified through agency, interagency, and public scoping efforts. The plan should explain or identify the current management situations, desired future conditions to be maintained or achieved, management actions necessary to achieve objectives, and a schedule and a cost estimate for implementing the actions for achieving those goals.

The plan document will address and integrate, to the degree possible, all BLM, FS and local government management plans related to management of the lands in or adjacent to the public lands managed by the RFO.

In addition to the purposes described above, the new plan will also fulfill requirements and obligations set forth by the National Environmental Policy Act (NEPA), the Federal Land Policy and Management Act (FLPMA), and BLM Land Use Plan policy.

This Pre-Plan provides the general blueprint for how the RFO RMP will be developed. It is our intention that the Pre-Plan be dynamic and our RMP preparation strategy may be modified as unforeseen situations arise.

The purpose of this Pre -Plan is to:

- Document the Planning Area boundaries covered by the RFO Resource Management Plan;
- Identify the preliminary issues to be resolved and the planning criteria that will be used to address them;
- Document the scope, complexity, major responsibilities and requirements for the planning effort;
- Establish the internal and external coordination for the agencies involved;

- Identify a completion schedule and budget; and
- Establish and identify the public participation process.

3. Relationship to Other Programs, Plans or Policies

This planning process will recognize the many ongoing programs, plans and policies that are being implemented in the planning area by other land managers and interested governments. BLM will seek to be consistent with or complimentary to other management actions. Whenever possible, valid resource decisions and management prescriptions would be carried forward into the planning process.

The following plans affected by our planning area will be reviewed for decisions or issues/management prescriptions that need to be carried forward or addressed in the new planning effort:

County Land Use Plans

- Garfield County, Utah
- Piute County, Utah
- Sanpete County, Utah
- Sevier County, Utah
- Wayne County, Utah

Other Federal Plans

- Dixie National Forest Land Use Plan
- Fishlake National Forest Land Use Plan
- Manti-La Sal National Forest Land Use Plan

Minerals Planning

- Richfield District O&G EA, 1975
- San Rafael Resource Area O&G EA, 1988
- Richfield District Supplemental O&G Leasing Implementation EA, 1988

Recreation/Wilderness Management Plans

- Wilderness 202, Re-inventory, 1999
- Mountain Valley ORV Implementation Plan
- Henry Mountain ORV Implementation Plan
- Parker Mountain ORV Implementation Plan
- Pinyon/Cedar/Beaver/Garfield/Antimony ORV Implementation Plan

Habitat Plans

- Henry Mountain Desert Bighorn Sheep HMP
- San Rafael Desert HMP 1992

Endangered Species Recovery Plans

- Northern States Bald Eagle Recovery Plan, 1983
- Wright Fishhook Cactus Recovery Plan, 1985
- The Recovery Implementation Plan for the Endangered Fish Species in the Upper Colorado River Basin, 1987
- Bonytail Chub Recovery Plan, 1990
- Humpback Chub Recovery Plan, 1990
- Colorado Squawfish Recovery Plan, 1991
- Last Chance Townsendia Recovery Plan 1993
- Utah Reed-Mustards Recovery Plan, 1994
- Maguire Daisy Recovery Plan, 1995
- Mexican Spotted Owl Recovery Plan, 1995
- Razorback Sucker Recovery Plan, 1999

Conservation Agreements

- *Gilia caespitosa* Conservation Agreement and Strategy, 1997

Existing Environmental Impact Statements (EIS)

- Parker Mountain Grazing Management EIS, 1979
- Mountain Valley Grazing Management EIS, 1980
- Henry Mountain Grazing EIS, 1983
- Utah Combined Hydrocarbon Leasing Regional EIS, 1984
- Cedar/Beaver/Garfield/Antimony EIS, 1984
- San Rafael Final EIS, 1989
- Utah BLM Statewide Wilderness Final EIS, 1990

B. PUBLIC PARTICIPATION PROCESS AND INTEREST GROUPS

The key factor in a successful planning effort lies in our ability to provide an open and honest environment in which to meaningfully involve the public throughout the planning process. BLM will actively seek to involve the public in a manner which will foster long-term relationships, and build ownership in the management of public lands (Appendix A). A variety of methods will be used throughout this process. At a minimum, the following actions will be taken to facilitate public involvement in this process.

1. Identify Preliminary Issues, Concerns and Planning Criteria:

- Publish Notice of Intent
- Provide notices in media (newspaper, radio, TV, etc.)
- Develop interactive web site
- Develop mailing list data base and tracking system for comments
- Publish regular Planning Bulletins
- Host Planning Orientation/Scoping Meeting
- Build upon existing collaborative workgroups
- Use professional facilitators to enhance public and BLM interactions

- Maintain an open scoping period for public involvement throughout the preliminary phases of the planning process
- Provide for standardized comment input forms to enhance public input

2. Inventory and Data Collection

- Invite the public to review existing data and recommend new data needs, or provide data.
- Work with Federal Leadership Forum in accordance with existing MOU.
- Ensure excellent coordination with agencies with jurisdictional expertise in data collection efforts.

3. Alternative Formulation

- Utilize public input to clarify issues in the formulation of alternatives.
- Provide public feed back via Planning Bulletins, open houses, and interactive web site.
- Provide for a variety of public involvement including; written correspondence, e-mail, web site, public contact representatives.
- Invite the public to discuss options for analysis and methodologies used in development of the EIS.

4. Publish Draft EIS/Draft RMP

- Provide for a minimum 90 day comment period on the DEIS, allowing for a variety of feedback mechanisms.
- Host open houses for informational and comment purposes.

5. Publish Final EIS/Proposed RMP.

- Notify public of FEIS
- Welcome informal comment or involvement during this period.
- Initiate public protest period.
- Initiate Governor's Consistency Review.

Affected Interests - Who Will be Involved?

A wide variety of people, agencies and organizations will become involved with this planning process. All comments will be noted and recorded (APPENDIX B). Known participants will include but are not limited to:

1. Governor's Consistency/Resources Development Coordination Committee (RDCC)

Coordination of Utah State concerns is handled through the State RDCC. Membership on this committee includes representatives from all the major State agencies. Their job is to review actions that impact State lands including RMPs and other major BLM actions. The RDCC is the reviewing authority for the Governor's consistency review. Presentations of the Draft and Final RMP/EIS will be made to RDCC at the time of release to the public.

2. Indian Tribe Coordination

The BLM will contact Indian tribal councils and the Bureau of Indian Affairs to initiate coordination for areas of common interest and concern.

3. County and Association of County Governments Coordination

The counties have been active in past BLM planning efforts. County Commissions will be briefed on the RMP process and the preliminary issues identified by the ID Team and will be encouraged to participate in the planning process.

4. Other Federal Agency Coordination

The BLM will work with the Forest Service, Fish and Wildlife Service, Environmental Protection Agency, Bureau of Reclamation, Bureau of Indian Affairs, National Park Service, and other Federal Agencies in matters of joint concern.

5. Coordination with Other BLM Field Offices

All adjacent BLM Field Offices will be contacted and briefed on the new planning effort. Land Use Plans for other BLM offices in Utah will be reviewed and every effort made to be consistent with decisions in these plans.

6. State Land Management Coordination

The State of Utah has responsibility for the management of certain lands within the planning area boundary. The State School Institutional Trust Lands Administration (SITLA) and the Utah Division of Lands and Forestry are responsible for School Trust Lands, and the Utah Division of Parks and Recreation is responsible for the management of State Parks and Recreation sites. The Utah Division of Wildlife Resources is responsible for lands owned by them. The BLM will work closely with the Division of Oil, Gas, and Mining as the State agent for SITLA lands and minerals. Close coordination with all of these agencies will be a matter of standard operating procedure. BLM will also coordinate closely with SHPO in compliance with the state protocol for archaeology and cultural resource values.

7. Interest Groups and Other Organizations

There are many groups that will play an active role in the RMP process. They will be included on mailing lists along with interested citizens. Special meetings may be held to address specific concerns of interest groups. These groups will include: environmental organizations, industry interests, grazing permittees, private land owners, local and regional news media, sportsmen and wildlife groups, ATV users and groups, and other individuals and groups that will be identified during the scoping process.

8. Advisory Committee

The Utah Resource Advisory Committee (RAC) provides advice to the BLM on resource issues in Utah. The RAC will be consulted early in the preparation process.

C. PRELIMINARY PLANNING CRITERIA

Planning criteria are the constraints or ground rules that guide and direct the development of the plan, and determine how the planning team approaches the development of alternatives and ultimately, selection of a Preferred Alternative. They ensure that plans are tailored to the identified issues and ensure that unnecessary data collection and analyses are avoided. They focus on the decisions to be made in the plan and achieve the following:

- Provide an early, tentative basis for inventory and data collection needs
- Enable the manager and staff to develop a preliminary planning base map delineating geographic analysis units.
-

Note: These criteria are preliminary at this stage of planning and will undoubtedly be modified as the public becomes more fully involved.

Preliminary Planning Criteria:

- This plan will recognize the existence of valid existing rights.
- Lands covered in the RMP will be public lands, including split estate lands, managed by BLM. Decisions on lands not managed by BLM will not be made in the RMP.
- The BLM will use a collaborative and multi-jurisdictional approach, where possible, to jointly determine the desired future condition of Public Lands.
- BLM will strive to ensure that its management prescriptions are consistent as possible to other planning jurisdictions, within the boundaries described by law and policy.
- Final management prescriptions will consider a range of alternatives that focus on the relative values of resources and not the combination of uses that will give the greatest economic return or output and ensure responsiveness to the issues.
- Sensitive watersheds will be identified and watershed conditions determined, in particular on Utah Category One (A,B and C) watersheds and those HUC-8 sub-basins ranked highest in the Utah Interagency Colorado River Salinity Ranking Process (BLM, NRCS, USGS, BOR).
- The socioeconomic impacts of the alternatives will be addressed.
- The BLM will use current scientific information, research, technologies, and results of inventory, monitoring and coordination to determine appropriate local, and regional management strategies that will enhance or restore impaired ecosystems.
- Direction provided by the 2001 Federal Wildland Fire Policy will be incorporated into the planning process. Planning will be consistent with the national Fire Plan.
- Management of existing Wilderness Study Areas (WSAs) and new WSAs established through planning will be guided by the Interim Management Policy (IMP) for Lands Under Wilderness Review. Land use allocations made for WSAs must be consistent with the IMP and with other laws, regulations and policies related to WSA management. The RMP must also address how

these lands would be managed if released by Congress from WSA status. If areas are designated as wilderness by Congress, they will be managed to preserve their wilderness values, according to applicable laws and policy. Section 202 WSAs and citizens wilderness proposals will be addressed consistent with current policy.

- Comprehensive Land Health Standards will apply to all activities and uses and will generally be evaluated on a watershed basis. Adjustments to current livestock grazing or wildlife forage allocations would be considered in accordance with Rangeland Health Standards and Guides. Standards and guides would be applicable to all alternatives.
- Baseline Reasonable Foreseeable Management/Development (RFD) scenarios will be developed and portrayed based on historical, existing, and projected levels for all programs.
- Planning will include the formal "Call for Coal Resource and Other Information" as required by 43 CFR 3420.1-2.
- BLM will coordinate with Indian Tribes to identify sites, areas, and objects important to their cultural and religious heritage.
- Paleontological and cultural resources will be evaluated for use allocations, if appropriate, including provisions for interpretation, preservation, conservation and enhancement.
- The decisions of this plan will comply with the Endangered Species Act and follow interagency agreements with the USFWS regarding the Section 7 Consultation Process.
- Areas potentially suitable for Areas of Critical Environmental Concern (ACECs) and other special management designations will be identified and brought forward for analysis in the RMP.
- All river segments will be considered and determinations of eligibility, suitability, tentative classification, and protective management will be made in accordance with Section 5 (d) of the Wild and Scenic Rivers Act and BLM Manual 8351. Public nominations will be requested.
- Vegetation management objectives will be developed for specific areas. Limits will be identified on the type and amount of disturbance that will be allowed before mitigation is required.
- Management actions will be responsive to the issues, concerns, and opportunities identified for resolution in this plan.
- Decisions regarding off-highway vehicle driving will be consistent with the BLM's National OHV Strategy.

D. PRELIMINARY PLANNING ISSUES AND MANAGEMENT CONCERNS

Significant change has taken place since completion of the current LUP's. Communities have grown, and resource development has expanded significantly while at the same time regard for environmental conservation and protection is becoming a major concern. The RFO is facing a wide variety of issues affecting local communities, regional and state interests and the health of our natural resources.

Planning issues can generally be stated as resource management problems and opportunities that BLM needs to address to ensure as an agency it is fulfilling its multiple use resource management mission. Issues may be identified by local, state or national needs, or may reflect conditions specific to the RFO. Identified issues are subject to change throughout the planning process as new conditions are identified and the public becomes more fully involved.

Planning issues identify concerns that:

- Present unresolved questions regarding allocation of a specific resource.
- Present major land use conflicts regarding management or maintenance of a base resource.
- Can be resolved by BLM within the life of the plan.

The following preliminary planning issues were identified by the RFO during an evaluation conducted in February 2001. A copy of this evaluation is available for review at the RFO. The evaluation consisted of a review of the following five LUP's:

- Mountain Valley MFP
- Henry Mountain MFP
- Parker Mountain MFP
- Cedar-Beaver-Garfield-Antimony RMP
- San Rafael RMP

In addition, the Forest MFP (replaced by the San Rafael RMP) and the unfinished draft of the Henry Mountain RMP were reviewed for issues/ideas that would prove valuable to this planning effort.

Note: These issues are preliminary and may be modified, deleted, or added to, through the scoping process.

1. **Air Quality:** In conducting this regional planning effort, BLM will ensure compliance with all applicable local, state, tribal and Federal air quality laws, statues, regulations, standards and implementation plans. The RMP will identify desired future conditions and area-wide criteria or restrictions, in cooperation with the State of Utah and EPA, that apply to direct or authorized emission-generating activities. Two mandatory Federal PSD ClassI areas are located within the study area (Canyonlands and Capitol Reef national parks) with two additional mandatory Federal PSD Class I areas nearby (Arches and Bryce Canyon national parks). Potential air quality impacts to these areas should be addressed during the planning process.
2. **Cultural, Paleontology, and Natural History:**
 - There are numerous laws, regulations, manuals, and program guidance for the Cultural program which were not in existence during the time the original plans were written. This planning effort will provide an opportunity to modernize the management of Cultural and Paleontological resources in the planning area.
 - There were numerous inconsistencies identified between the five planning documents regarding management of cultural resources within the planning area. This planning effort will seek to standardize the management of our Cultural and Paleontological resources.

- Many policies and strategies regarding consideration of Indian values, tribal sovereignty, and coordination/consultation were not in place during the preparation of existing plans. Also, acts, laws, and regulations were not in place earlier regarding tribal government sovereignty and orientation between governments. This planning effort will seek to actively consult with, and fully address concerns and recognize values important to Indians in compliance with these current laws and regulations.
 - International public awareness of the significant resources found in the area has increased. Since the last planning efforts, new findings and discoveries are beginning to change BLM's understanding of these resources in the Richfield planning area. This planning effort will seek to provide a more active and educational forum for the management of these resources including values for science, education, recreation, research.
3. **Fire Management:** Associated with the urban interface issues, is the ongoing concern related to wildfire risk. At issue are the types of fuels and the proximity of those types of fuels to homes. This planning effort will also address appropriate fire management actions including areas where fire is not desired, where fire can be used as a resource management tool for habitat restoration, and where fuel reductions are necessary as required by the 2001 Federal Wildland Fire Policy.
 4. **Woodland Harvest and Management:** The inventory of forest resources needs to be updated for the planning area. The treatment of woodland products varies considerably between the five LUP's and some prescriptions may conflict with other resource values. Permits for seed collection have increased for the past several years causing concerns over fees, seed identification, use areas and conflicts with other resource values, as well as compliance with existing regulations.
 5. **Hazardous Materials and Wastes:** The new RMP will address several issues related to management of hazardous materials including employee safety, waste management, criteria for evaluation and handling hazardous waste, and updated policy and regulations. In addition, the inventory of hazards to public and employee safety, such as open mine shafts, needs to be updated and management plans developed primarily in existing and proposed recreation areas so the hazards can be eliminated.
 6. **Lands and Realty:** Considerable community growth and development and increased use of public lands dictates that many of the goals and objectives in the Lands and Realty Management portions of the five LUP's be updated. This planning effort will ensure at a minimum that the following are appropriately addressed:
 - Transportation planning, complete Travel Route Inventory.
 - Utility right-of-way corridors (including avoidance and exclusion areas, and coordination with neighboring BLM and other tribal or agency jurisdictions).
 - Ensuring access to public lands.
 - Proposals for land tenure adjustments, including the State focus List, will be evaluated and prioritized in the context of facilitating resource management objectives.
 - Review recent land tenure adjustments or ownerships and management agreements that were not addressed in the five LUPs.
 - This planning effort will also direct management of acquired lands.
 - Current withdrawals need to be reviewed.

- Source protection for municipal culinary water needs to be addressed.
7. **Rangeland Management:** The new RMP will address the following factors affecting rangeland management:
- Incorporation of the Standards for Rangeland Health, Guidelines for Grazing Management, and Guidelines for Recreation Management into the RMP. Rangeland Health Standards will be applied to all activities and priorities for development of additional guidelines will be established.
 - Update changes in grazing management occurring since the last planning effort due to allotment evaluations, voluntary relinquishments or changes in allotment acreage. Assure conformance with current grazing regulations.
 - Evaluate seasons of use in relation to Utah's Guidelines for Grazing Management.
 - Evaluate current forage allocations for wildlife and livestock.
 - Evaluate the capability of allotments to accommodate permittee applications to activate use of forage that either has been previously suspended from use or had been voluntarily not used under formal agreement, in light of rangeland health standards management requirements and under various potential wildlife population levels.
 - Evaluate trailing areas.
 - Evaluate need for access and maintenance to existing range projects as well as development of new projects.
8. **Minerals Management:** Projected mineral development will be revisited in the new RMP. Baseline minerals information for the five existing LUP areas need to be revised based on new and developing information. This planning effort will ensure that minerals management issues, opportunities, and potential impacts would be addressed at an appropriate regional scale and would including the following:
- RFD scenarios for mineral development will be coordinated with the Price RFO on a regional scale. Criteria for updating RFDs over time will also be developed.
 - Update and identify mineral development potential throughout the planning area.
 - Review mitigation and lease stipulations and ensure consistency throughout the planning area. Surface use stipulations developed for oil and gas would apply across the board for all surface disturbing activities. Development of these stipulations should be coordinated with the Price RFO.
 - Increased demand for energy and minerals would be analyzed in the context of the need for protection of other resources. Analyze potential for unleased coal, combined hydrocarbon leases, and salable and locatable minerals.
 - Evaluate coal potential for suitability criteria for coal leasing as listed in 43 CFR 3461.5 (a) through (t).
9. **Off-Highway Vehicle Use:** Growth of OHV use has become a significant issue within the planning area. OHV use and management would be addressed and updated in an effort to resolve resource conflicts with natural resources and still provide for responsible recreational use of OHVs.
- Existing OHV designations should be reviewed and modified where needed to meet changing resource objectives. Designations should be coordinated with the Price RFO.

A new map that can be periodically updated needs to be developed.

- Designations for play areas or authorized trails, such as the Piute and Great Western Trails would be analyzed in the new RMP.

10. Rangeland Health/Rehabilitation: None of the five existing LUPs address Comprehensive Land Health Standards. Issues to be considered include the following:

- Incorporation of the Standards for Rangeland Health and Guidelines for Grazing Management and Recreation Management into the RMP.
- Apply standards to all activities and set priorities for development of guidelines for all surface disturbing activities.
- The new RMP will identify best management practices and rehabilitation techniques to assure properly functioning ecosystems. Criteria and guidelines for rehabilitation will be coordinated across all programs.
- Establish criteria for use of native vs. introduced species for rangeland rehabilitation.
- Identify actions to maintain functioning native communities as well as to restore at risk or non-functioning native communities.

11. Recreation: Recreation management is of significant concern due to the presence of world class recreational resources. This planning effort would review current and projected recreation uses to determine appropriate management for the following:

- Existing Special Recreation Management Areas requiring enhanced or special management for recreational uses or for protection of recreational related resource values.
- Special Recreation Permit (SRP) policies and regulations should be reviewed for consistent application within the planning area and coordinated with neighboring BLM units. Establish limits of use or limits of acceptable change that will protect resource values while satisfying the public's demand for these uses.
- Assess recreation use patterns and analyze impacts on other resource values. Establish limits of use where appropriate.
- Establish criteria to provide consistent application of special and extensive recreation management areas with the planning area.
- Evaluate the management of existing recreation developments as well as the need for new facilities.
- Review management prescriptions from the five old plans and evaluate their application in the new planning effort.

12. Riparian Resources: None of the five LUPs address current policy guidance regarding riparian management. Issues to consider in the new RMP include:

- Riparian functioning condition assessments and subsequent monitoring.
- Best management practices for riparian management and criteria for rehabilitation of at risk and non-functioning sites.
- Develop criteria for setting limits of acceptable change to functioning, at risk, and non-functioning riparian areas.
- Develop mitigation measure for activities resulting in disturbances to riparian areas.

13. **Soils:** The planning area includes portions of at least four soil surveys that are either incomplete or need updating.
- Through this planning effort, we will work with the Natural Resource Conservation Service (NRCS) and other partners or contractors to complete these surveys to at least the 3rd Order.
 - In order to determine desired future conditions or quantifiable monitoring objectives for vegetation resources, an Ecological Site Inventory (ESI) will need to be completed.
14. **Vegetation and Special Status Plants:** Management of vegetation for forage, watershed, or of special status plant species has changed in a number of ways since the completion of the five LUPs. Issues to be considered include the following:
- None of the five LUPs addressed desired future condition for vegetation. The new RMP effort would include completing soil surveys and ESI to provide the foundation for establishing desired future conditions.
 - Identify and evaluate the use of key species for quantifying impacts of grazing on forage plants
 - In consultation with the Fish and Wildlife Service (FWS), update the list of special status plants for the new RMP. Establish criteria for keeping this list current for newly listed species or critical habitat through plan maintenance.
 - Utilize current and new science for the protection and management of special status plants. Evaluate needs for new data regarding amount, distribution, and habitat requirements for special status plant species.
 - Update the new plan regarding current recovery plans, conservation agreements, and biological opinions developed throughout the planning area. Implement actions identified in recovery plans for listed species and protection of critical habitat.
 - Management of noxious weeds and non-native invasive species is not addressed in any of the five current LUPs. The new RMP would establish integrated pest management criteria in light of current policy and laws for management of these species.
 - Develop integrated pest management criteria for grasshopper and cricket control.
 - Establish criteria for transplanting or augmenting populations under BLM Manual 1745 through plan maintenance.
15. **Visual Resources:** Visual resource management (VRM) is of significant concern given the spectacular scenery of the planning area. Changes in visitor use patterns and frequency is causing concerns in some areas and enhanced protection of visual resources may be necessary.
- Current VRM classifications vary considerably in application within the five current LUPs. These classifications will be reviewed in the new RMP to assure consistency of application.
 - Establish criteria for management within VRM classes.
16. **Watersheds and Water Quality:** Management of these programs is not consistent between the five planning areas. The State of Utah has developed non-point source Best Management Practices (BMPs) and these are applied by stipulation on a voluntary basis. Water inventory database needs updating in areas such as springs, wells, and groundwater in order to support future planning efforts. This planning effort will address the following management needs:
- Identify water quality concerns, including ground water, related to activities on public

lands, including but not limited to, the requirements mandated by the Clean Water Act, state water classifications in the 303 D and 305 report, state water inventories, as well as sources at risk for water quality due to naturally occurring formations.

- Assess BLM's contribution to waters not meeting State quality standards.
- Identify priority watersheds within the planning area. Develop management criteria for actions allowed within priority watersheds.
- Evaluate limits of acceptable change for water quality as a result of BLM authorized activities.
- Establish BMPs for management of water quality and set criteria for restoring quality of waters not meeting State standards.
- Evaluate water rights and how they may affect recreation and other land use allocations.

17. Wild Horse and Burro Management: Two Herd Management Areas (HMAs) exist in the planning area; portions of the Muddy Creek Wild Horse HMA which is administered by the Price Field Office and the entire Canyonlands Wild Burro HMA administered by the RFO. This planning effort will address the management of wild horses and burros within the Richfield planning area including the following:

- Establish an Appropriate Management Level (AML) for the Canyonlands HMA, to include initial and estimated herd sizes while still preserving or maintaining a thriving ecological balance and multiple use relationships for that area.
- The new RMP will establish the guidelines and criteria for adjusting the AML and managing the burro population through the use of contraceptives and other accepted management practices.
- The new RMP will formally set forage allocations for both HMAs for lands administered by the RFO. This process will also be coordinated with the planning effort for the Price RFO.

18. Wilderness: Management of lands with wilderness characteristics and the use of those lands remains extremely controversial in Utah. Areas have been designated as Wilderness Study Areas (WSAs), and are being managed according to the Interim Management Policy for Lands Under Wilderness Review (IMP). Other issues to consider include the following:

- The new RMP will address inconsistencies with management prescriptions resulting from the five current LUPs regarding OHV designations in WSAs.
- Management strategies for existing WSAs would be developed for consistent application throughout the planning area.
- Additional areas have been inventoried and found to possess wilderness character by BLM. This planning effort will consider whether or not these areas with wilderness character should be managed as WSAs and subject to IMP.

19. Wild and Scenic Rivers: Eligibility assessments were completed on all river segments in the Henry Mountain and Parker Mountain Planning Units in 1995. The remainder of the planning area will need to be inventoried. This inventory as well as suitability analysis will be completed in the new RMP. Rivers crossing multiple jurisdictions will be coordinated with partner offices and agencies to arrive at watershed level management prescriptions.

20. Special Management Areas: Through this RMP process, existing designations as well as other lands within the planning area which may meet specific criteria (such as ACECs) will be reviewed. Other issues to be considered include:

- Management prescriptions for existing ACECs will be reviewed and modified if appropriate. Priorities for implementation of management plans will be set.
- Previous ACEC nominations will be revisited and new nominations will be solicited through the RMP process. Priorities for management plan development and implementation for new ACECs will be established.

21. Wildlife Habitat and Special Status Species Management: Considerable community growth and development and increased use of public lands dictates that many of the goals and objectives in the Lands and Realty Management portions of the five LUP's be updated. Other issues related to wildlife and special status species include:

- This planning effort will update the wildlife and habitat inventories to assist in identifying measurable objectives for important wildlife habitats including desired future conditions, designation of priority species and habitats (special status species), and identify opportunities or restrictions needed to achieve management objectives.
- Special status species locations, populations, and habitats need to be documented. Conservation and protection strategies will need to be included in the new RMP. A new species list will be requested from FWS and consultation will be initiated for species listed since the five existing LUPs were developed. Strategies will be developed to keep the list current in the RMP through plan maintenance. New recovery plans and conservation agreements will be incorporated into the plan and current science will be considered.
- Current habitat management plans (HMPs) will be reviewed and priorities for revision will be established in the new RMP. Schedules and inventory needs for new HMPs, bison in particular, will also be set.
- Include prescriptions from the sage grouse management guidelines related to the protection of buffer zones around leks, etc., as well as the general management of the sagebrush ecosystem to ensure that the integrity of sage grouse habitat is protected. Utilize the Parker Mountain Adaptive Management Group to develop conservation strategies and management prescriptions for sage grouse.
- The RMP effort will evaluate Utah Division of Wildlife Resources (UDWR) plans for transplants, and include their goals and objectives and forage allocation needs. Strategies will be reviewed to accommodate future transplants and reallocation of forage through plan maintenance.
- Current forage allocations need to be evaluated particularly where big game species have moved into new areas.
- Obtain maps or digitized data which delineate boundaries for crucial big game ranges as well as designated critical habitat within the planning unit.
- Obtain an updated State Sensitive Species List from UDWR and determine if other species exist in the planning area which were not previously covered by planning.
- Include the management of the Animal Damage Control (ADC) program in accordance with the National and State MOUs.

E. DATA and GIS NEEDS

The overall data management strategy and effort expended to acquire, develop, use and share geospatial

data for the RFO RMP will be integrated and coordinated with existing national Federal governmental, BLM, and Utah BLM data management initiatives (Appendix C). Much of the data gathered and used for this planning effort will become corporate data and will be used during plan implementation and by other programs to conduct their day-to-day business. In addition, the jurisdictional boundaries of this planning effort are contiguous with other Utah BLM planning starts and it is important to coordinate data development and data management for all planning efforts to insure consistent data.

Collaboration is a key component to be incorporated into the planning process and this includes the development and acquisition of data used during planning. Existing and new partnerships and cooperative agreements, as appropriate, will be extensively used to assist in the development of the planning database and to also insure the data is developed to existing corporate data standards and available to the public and concerned parties as appropriate.

An important goal of this effort will be to integrate the data collected and developed for use in this RMP into the Utah BLM corporate geospatial database to insure this data is accessible for use during RMP implementation and use by other programs in conducting their day-to-day business. This task will be one of the most intensive during the first and second years of each planning effort. The Utah BLM database will continue to be developed in a coordinated manner to accommodate future planning. The scope of work for this planning effort includes validating data converted from the Maps Overlay statistical System (MOSS) Geographic Information System (GIS) to ARC/INFO format, horizontal and vertical data integration, and preparation of metadata documentation for the database. Portions of this work may be accomplished through partnerships between the BLM and the State of Utah, Division of Information Technology Services, Automated Geographic Reference Center (AGRC) and others. In addition to sharing data through BLM mechanisms, per a data sharing agreement with the State of Utah, much of the resulting data will be available to the public through the State Geographic Information Database (SGID).

Appendix D provides a table which identifies current data needs, GIS data layers, data layer condition and known data layer gaps. Availability of meta data is also specified. In many instances it has been found that existing data bases need to be updated (integrated with other data layers), compiled, and put into appropriate digital formats in order to provide a basis for impact analysis, and alternative formulation. These data layer "themes" are the building blocks necessary to quantify and portray resources, resource condition, and resource use areas and are used extensively throughout the planning process.

In many cases, existing resource information available in BLM offices or from other federal, state, or local agencies will be used during this planning effort in order to maximize planning efficiencies and reduce costs. It remains however, that workloads associated with current GIS data will be high. If these needs can not be met timely with contractor assistance, additional support from the State Office will be required, or an additional position for support of the GIS program will be sought for the RFO.

The land use plan evaluations for the planning area included an intensive GIS evaluation which identified a significant amount of data and GIS needs that will be required to address issues, formulate alternatives and conduct impact analysis for this planning effort.

F. PARTICIPANTS IN THE PROCESS (Planning Team)

- 1. Utah Planning Management Team (PMT):** This team consists of the State Director, Field Managers, State Office Resource Planning Specialist, and a Planning Coordinator. This team is

surround this regional planning effort and may affect other ongoing planning efforts. This team will ensure appropriate logistical support and pursue opportunities for increasing planning efficiencies through coordination of contracting, hiring, travel, training etc. The PMT Coordinator will ensure smooth coordination of the many anticipated issues this team is likely to face.

2. **RFO Management Team (MT):** This team consists of the Field Manager, Associate Field Manager, Assistant Field Manager (AFM) for the Henry Mountains Field Station, and the AFM for Planning. The team ensures full compliance with the planning regulations and handbooks. It is responsible for ensuring that a collaborative process is used, wherever possible, and that a high degree of meaningful public involvement is achieved. This team is responsible for selecting the appropriate issues and concerns that will be resolved in the planning effort and that a reasonable range of alternatives are developed. This team will also ensure that appropriate budgets are provided to complete the plan over the expected five year duration of this project.
3. **Core Team Manager (CTM):** The CTM is responsible for the day to day management and coordination of this planning effort and keeps the PMT and MT apprized of controversies and conflicts as they arise and recommends courses of actions to resolve problems. The CTM has primary responsibilities for contract oversight and directs staff involvement in contract execution and review. The CTM has overall responsibility to assure completion of the RMP, quality control, and collaborative interactions or partnerships with interested publics. The CTM also has direct supervision of the Core Team and the Interdisciplinary Team and directs their involvement throughout the planning process as required. The CTM is responsible for ensuring that appropriate project management and records management techniques are followed.
4. **Core Team (CT):** This team consists of a Natural Resource Specialist/writer editor and GIS specialist, in addition to the CTM. Also, there is the possibility that other term activity specialists could be added to the CT if needed during the plan process. This team assists the CTM in the day to day management of the planning effort including but not limited to coordination with contractors and IDT staff, public outreach, management of documents and records management.
5. **Interdisciplinary Team (IDT):** The team is represented by staff professionals across a wide variety of resource management fields. This team is directed by the CTM and has primary responsibilities in public outreach, oversight on contracts for the collection of data or directing inventory needs, as well as working with both the secondary and primary contractors to ensure data accuracy and adequate impact analysis.

G. FORMAT AND PROCESS FOR THE PLAN

1. Format

The format and outline for the plan will come from the NEPA and land use planning manuals. All legal and policy requirements will be met in the plan and in the process regarding public notices, required elements, distribution of the draft and final documents, and specific laws. NEPA and Council on Environmental Quality (CEQ) guidelines will be met. Both the Draft and Final EIS will be published with the draft and final versions of the plan.

2. Planning Process

This planning process will be guided by the planning regulations as set forth in 43 CFR 1600 and the H-1601-1 Land Use Planning Handbook. The regulations and manual provide the procedural guidance for implementing Sections 201 and 202 of FLPMA.

The RMP which is the primary outcome of this effort will establish the basic goals and objectives for resource management activities, provide for desired future conditions, and the measures needed to achieve these goals and objectives. Planning decisions are generally made on a broad scale and guide subsequent development of implementing activities (activity level plans).

In accordance with the directions set forth in FLPMA, this planning effort will recognize the following principles:

- Use and observe the principals of multiple use and sustained yield;
- Use a systematic interdisciplinary approach to integrate, physical, biological, economic, and other sciences;
- Give priority to the designation and protection of ACEC's;
- Rely, to the extent possible on available data regarding natural resources;
- Consider present and potential uses of public lands;
- Consider the relative scarcity of values and availability of alternative means and sites for recognizing those values;
- Weigh long term benefits to the public against short term benefits;
- Provide for compliance with Tribal, Federal and state pollution laws, standards and implementation plans;
- Provide for consistency and coordination with other programs, plans and policies.

3. EIS Process

Completion of the DEIS/DRMP will follow basic process requirements specified by the CEQ for the preparation of EIS's. Supplementary guidance provided by the Bureau Manual 1790 Handbook will also be followed. Appendix E provides a basic outline illustrating the format and content expected in the DEIS.

The CTM will be responsible for ensuring that the primary contractor responsible for preparation of the EIS does so in a manner consistent with Bureau Manual and CEQ requirements. As data collection, compilation and analysis is completed by contractors, the CTM will ensure that all written materials receive appropriate internal or external review and that corrections or additions to written materials made by IDT members receive appropriate consideration. All comments made by the IDT will be in standardized written format in order to facilitate contractor understanding of staff concerns and issues.

The CTM will coordinate appropriate State Office reviews in a timely manner and ensure that applicable comments are coordinated with the contractor.

Four weeks will be permitted for the internal review of the draft and final plan and EIS by the BLM and cooperating agencies, including time required to transmit comments to the core team, State Office, and Washington Office. Forms will be supplied electronically to all reviewers to facilitate receipt of comments and to facilitate the analysis of the comments and needed

corrections. For the BLM, review will take place at the RFO, State Office, and Washington Office.

4. **Format for Input from ID Team and Reviewers**

BLM input will be paper copies, typed, and on 3.5" floppy discs or CDs, in Corel WORDPERFECT software; input also will be provided verbally, on flipcharts, via e-mail, and at group and one-on-one meetings and contacts. Submissions will be as polished as possible. The State Office will assist in obtaining timely input from reviewers.

5. **Alternative Formulation**

The MT will ensure that all alternatives are formulated in a manner which will resolve the planning issues, meet the purpose and need of the planning effort and can be realistically implemented. While it is too early in the process to identify specific alternatives, the following alternative concepts or themes are provided as food for thought, and to stimulate involvement in the alternative development process.

- **The No Action Alternative** will be represented by the existing management decisions. This alternative is required by the CEQ.
- **Conservation and Restoration Theme:** At least one Alternative could be based on a Conservation and Restoration theme. This alternative would recognize community reliance on natural resource development, and would focus on enhanced reclamation and or mitigation to lessen the effects of industrial development. Thresholds could be established in some areas protecting the highest value resources from further development. This concept could be applied in a single alternative or throughout a variety of alternatives. Restoration of at risk resources or habitats would be promoted intensively.
- **Resource Zone Concepts:** This alternative could establish specific zones based on priority management areas. Each area would contain specific management prescriptions based on the sensitivity of resources located in that area and land use allocations would be made accordingly.
- **Special Designation Concepts:** This concept could be applied in a single alternative or throughout a variety of alternatives. High values resources (such as cultural, paleontological, recreational, visual or biological) could be placed in a variety of special designations such as ACECs, HMAs, SRMAs etc. Other areas would be managed according to standardized best management practices. This alternative would result in extensive subsequent activity planning.
- **Rangeland Health Theme:** This concept could result in an alternative where projected standards and guidelines would be developed for specific categories or uses. Desired Future Conditions could be established for a variety of resources or uses.

H. PLAN PREPARATION SCHEDULE

Table 1 outlines a proposed plan preparation schedule for the Planning Process. The schedule gives estimated time frames for the completion of the required plan components including:

- All planning actions (43 CFR 1610.4) and support actions expected to be done either consecutively or concurrently,
- Target initiation and completion dates for each action,
- Time periods needed for preparation and award of contracts, and preparation costs required for use in development of the AWP.

Table 1

RFO Plan Preparation Schedule			
Planning Phase	Actions	Dates	Responsibility
Formally Initiate Planning Effort & Initiate Preliminary Scoping	<ul style="list-style-type: none"> - Hire Planning position - Hire Core Management Team - Begin contracting efforts (see additional items below) - Publish NOI in Federal Register - Update RFO Mailing Lists - Provide Preliminary Planning Bulletin - Initiate IPAs, FWS, FS - Pursue MOUs or cooperating agency status for entities with jurisdiction expertise. - Provide Planning Orientation Open House - Begin formal solicitation for issues and concerns - Formally address collaborative working groups - Begin Issue/Alternative Workgroup Meetings (This time frame includes significant feedback to involve public) 	<p>7/01/01 7/01/01 - 9/15/01 7/01/01 8/01/01 9/01/01 9/01/01 10/01/01 10/01/01 - 11/01/01 11/01/01 - 12/15/01 1/07/02 10/1/01 2/01/02 - 10/30/023</p>	<p>CTM FM CTM FM/CTM FO FO/SO/CTMPA CTM/PA FO/PA FO FO (ALL) FM/CTM FM/CTM/IDT</p>
Inventory and Data Collection	<ul style="list-style-type: none"> - GIS database - Update themes - Metadata - Determine data gaps - Initiate Comprehensive Plan Contract and prepare RFP and SOW.* - Data Collection - Contracts - Other Data Collection - Collaborative data evaluation - Initiate 3060 Mineral Technical Reports - Compile all new data as addendum to MSA <p>*A contractor representative will be involved with all significant aspects of data collection and issue identification.</p>	<p>5/01/01 - 9/30/02 5/15/01 - 8/15/01 10/01/01 - 9/30/02 2/01/02 - 9/30/02 2/01/02 - 6/01/02 9/30/02</p>	<p>IDT/Contractor CTM/CT and IDT IDT/Contractor CTM/IDT CTM/IDT FM/CTM/SO IDT/CTM IDT/CTM SO/FO IDT/CTM</p>

Table 1 (cont.)

Planning Phase	Actions	Dates	Responsibility
Initiate Consultation on T&E, Cultural		8/01/01 - 2/01/03	SO/CTM
Issue Resolution and Alternative Development	<ul style="list-style-type: none"> - Based on information received from scoping and workgroups-formulate management alternatives with contractor focused on issue resolution. Continue public involvement through the alternative development stage. - Initiate Chapters 1-3 as information becomes available. 	<p>2/01/02 - 2/01/03</p> <p>2/01/02 - Ongoing</p>	FM/CTM/IDT/Contractor
Write and Publish Draft EIS	<ul style="list-style-type: none"> - Write PDEIS - Review by Collaborates - Revise draft EIS - Allow for comprehensive distribution based on up-to-date public involvement and allow minimum 90 day review. 	3/01/03 - 12/01/03	Contractor/FO
Analyze Public Comment and Prepare and Distribute Final EIS	<ul style="list-style-type: none"> - Work continuously with contractor on this phase to ensure relevant comments are addressed and incorporated into FEIS 	4/15/04 - 7/15/04	Contractor/FM/CTM/IDT
Initiate Protest Period and Governor's Consistency Review		7/15/04 - 9/15/04	SO
Prepare and Finalize RMP/ROD		9/15/04-10/30/04	Contractor /FO
Prepare Implementation Plan		11/1/04 - 12/30/04	CTM

I. BUDGET

The Budget includes projected costs associated with development of the plan including, data collection, contracting costs, BLM staff work months, Federal Register notices, vehicle, travel and support costs. The following assumptions were used during the preparation of these budget estimates:

- A primary contractor (environmental consultant) would be used to conduct a significant portion of the planning functions including scoping, comment tracking, data collection and impact analysis.
- GS 12 = \$7,100 per WM
- GS 11 = \$5,900 per WM
- GS 9 = \$5,000 per WM

Table 2 outlines a proposed plan budget for the Planning Process. The schedule gives preliminary estimates for the completion of the required plan actions noted in the plan schedule through year 2005 including:

- All labor costs, contracts and support requirements that are expected to facilitate completion of the plan,
- Estimated expenditure dollars for each action,
- Preparation costs required for use in development of the AWP.

It is recognized that these are only preliminary estimates and that actual cost may vary as the process moves forward. The projections do not include increased cost due to inflation or cost of living increases throughout the five year period. The dollar amounts do provide targets for funding requests and help define the scope of expenditures relative to each of the out-years.

Table 2

Proposed Budget Preparation Plan						
Actions	FY-2001	FY-2002	FY-2003	FY-2004	FY-2005	
Project Initiation - Hire CTM - Hire Core Team including GIS, Writer/Editor Move Support Staff - Initiate IPAs, MOUs with County, FWS, FS - GIS hardware/software/training - Office Infrastructure (travel/computers/vehicles/training/etc)	\$ 28K 4WMS \$ 65K 10WMS \$ 60K	\$ 20K \$ 100K \$ 100K	\$ 20K \$ 10K \$ 30K	\$ 20K \$ 30K		
Planning Effort (Scoping) - Publish NOI in Federal Register - Update RFO Mailing Lists - Provide Preliminary Planning Bulletin - Begin formal solicitation for issues and concerns - Formally address collaborative working groups - Pursue MOUs or cooperating agency status - Begin Issue Workgroup Meetings - Planning Team		\$ 50K Contract \$ 202K 31 WMS				
Inventory and Data Collection - GIS database - Update themes - Metadata - Determine data gaps - Initiate Comprehensive Plan Contract and prepare RFP and SOW. - Individual contracts for: Soil inventories Emery county (NRCS) Travel Route Inventory Bison habitat assessment - Data Collection - Collaborative data evaluation - Initiate 3060 Mineral Technical Reports - Support Staff - Seasonal Staff	\$ 180K Contract \$ 200K 31 WMS	\$ 300K Contract \$ 350K 54 Wms \$ 130K 20 WMS	\$ 200K Contract			
Consultations - T&E - Biological Assessment - Cultural		\$ 30K Contract				

Table 2 (cont.)

Actions	FY-2001	FY-2002	FY-2003	FY-2004	FY-2005
Formulate Alternatives - Planning Team - Support Staff			\$ 100K Contract \$ 195K 30 Wms \$ 176K 27 WMs		
Write and publish Draft EIS Analyze Public Comment and Prepare and Distribute Final EIS - Planning Team and Support Staff			\$ 300K Contract	\$ 400K Contract \$ 260K 40 WMs	
Initiate Protest Period and Governor's Consistency Review					
Prepare and Finalize RMP/ROD				\$ 50K Contract	
Prepare Implementation Plan					\$ 50K Contract \$ 10K 15 WMs
Total Cost	\$600,000	\$1,282,000	\$1,031,000	\$760,000	\$60,000

**APPENDIX A
PUBLIC PARTICIPATION SCHEDULE**

PLANNING PHASE	PURPOSE	METHOD/ACTIVITY	DATES	RESPONSIBILITY	
ISSUE, PLANNING CRITERIA IDENTIFICATION	Announce upcoming scoping meetings. Request written comments on issues/scope of Plan.	Notice of Intent in <u>Federal Register</u> . 30 Day Comment Period.		Core Team	
	Develop mailing list.	Newsletter to names on Plan mailing list. Press release to media		Team Leader, FO Admin. Assistant Public Affairs	
	Explain planning process to public. Solicit issues and concern. Identify scope of Plan.	Public Meetings in Richfield, Loa, Junction, Manti		Core Team, FO Manager	
	Explain planning process and consistency requirements to local and state government officials. Identify agency issues and concerns.	Meet with interested groups and organizations. Meet with local governments and other agencies.		Core Team, FO Manager Core Team, FO Manager	
	Review input from groups showing interest in Plan.	Forum Issue/Alt. Workgroups Public comment period.		Core Team & ID Team FO Manager	
	Respond back to the public on issues to be addressed initially. Collect additional data where needed.	News article.		Core & ID Team, FO Manager, Public Affairs	
	ALTERNATIVE FORMULATION	Describe alternatives that have been developed. Make sure issues are addressed. Assure focus of plan.	Newsletter to public, Plan mailing list.		Core & ID Team, Public Affairs
		Request comments on alternatives.	30 Day comment period.		
Obtain comments on content.		Written, verbal responses comment period.			

PLANNING PHASE	PURPOSE	METHOD/ACTIVITY	DATE	RESPONSIBILITY
Draft Plan/EIS	Request comment on draft Plan/EIS.	Draft Plan/EIS mailed.		Core Team, Printer
	Announce upcoming public meetings.	90 Day comment period.		
		Press release to local and Denver media.		Team Leader
		Notice of Availability in <u>Federal Register</u> .		Team Leader
	Describe componets of the Draft Plan/EIS and solicit comments on it.	Public hearings - Richfield, Loa, Junction, Manti		Core & ID Teams, FO Manager
PROPOSED PLAN/FINAL EIS	Inform key individuals, agencies, government.	Meetings with groups, key people, government.		Core & ID Teams, FO Manager
	Obtain comments on Draft Plan/EIS.	Written and verbal responses. 90 day comment period.		Publics
	Give publics opportunity to review proposed decisions and protest decisions if adversely affected.	Publish Proposed Plan/FEIS to publics & mail list.		Core Team, FO Manager
		Begin 60 day Governor consistency review. Include notice explaining protest period (30 days).		
	Opportunity to comment on any significant changes made as result of a protest.	Federal Register Notice requesting comments.		Core Team
APPROVED PLAN/ROD		News release		Team Leader, Public Affairs
	Notify publics of final decisions.	News Article, Newsletter, transmittal letters,		Team Leader, Public Affairs
	Distribute Plan.	Mail approved plan to NCA Plan mailing list.		Team Leader, FO Administrative Staff Assistant
IMPLEMENTATION SCHEDULE	Document & Prioritize Plan Implementation, Modification, and Monitoring	Prepare Office Document		Team Leader, FO Manager and ID Team

**APPENDIX B
CONTACT/COMMENT DOCUMENTATION**

1. NAME OF COMMENTOR(S): _____
2. LOCATION OF CONTACT: _____
3. PERSON DOCUMENTING CONTACT: _____ 4. DATE: _____
5. WHAT PART OF THE PLANNING PROCESS DOES THIS CONTACT DEAL WITH?

- | | |
|----------------------------------------------------------------------|-------------------------------------------------------------|
| <input type="checkbox"/> A. Mailing List | <input type="checkbox"/> B. Response to News Article/Letter |
| <input type="checkbox"/> C. Response to Fed Reg Notice | <input type="checkbox"/> D. Schedule |
| <input type="checkbox"/> E. Preplan Analysis | <input type="checkbox"/> F. Maps |
| <input type="checkbox"/> G. Issues | <input type="checkbox"/> H. Mgmt Obj & Goals |
| <input type="checkbox"/> I. Mgmt Actions | <input type="checkbox"/> J. Mgmt Concerns |
| <input type="checkbox"/> K. Draft Plan: Which Chapter _____ | |
| <input type="checkbox"/> L. Alternative(s): Which Ones _____ | |
| <input type="checkbox"/> M. Final Plan: Which Chapter _____ | |
| <input type="checkbox"/> N. Record of Decision: Which Section? _____ | |
| <input type="checkbox"/> O. Other: _____ | |

6. SUMMARY OF CONTACT AND INPUT (Use reverse side if necessary):

APPENDIX C GEOSPATIAL DATA DEVELOPMENT

Geospatial Database Development Assumptions:

The development of the geospatial database for this planning effort will be accomplished within the context of existing bureau data management strategies currently under development. Database development will incorporate goals, objectives, mandatory policies, and procedures identified in national Federal governmental guidance and instructions regarding the use, development and sharing of geospatial data and its management including the following:

- Executive Order 12906 of 1994 - Coordinating Geographic Data Acquisition and Access: The National Spatial Data Infrastructure (NSDI)
- OMB Circular A-16 & the expected revision
- OMB Information Initiative of 2000 - "Collecting Information in the Information Age"

Database development will incorporate goals, objectives, mandatory policies, and procedures identified in national BLM guidance and instructions regarding the use, development and sharing of geospatial data and its management which include the following:

- Incorporate goals, objectives, mandatory policies, and procedures identified in Washington Office BLM planning guidance and other instructions regarding data management
- BLM H-1601-1 Land Use Planning Handbook
- BLM IM No. 2001-038 (11/30/2000) - Development/Approval of Preparation Plans for New Planning Starts
- BLM IM No. 2001-029 (11/13/2000) -Interim Data Management Interim Guidance

Database development will incorporate goals, objectives, mandatory policies, and procedures identified in Utah BLM planning guidance, cooperative agreements, MOUs, and other instructions regarding data management which include the following:

- Utah BLM IM No. UT 2001-021(12/12/2000) - Utah BLM GIS Implementation Plan
- "A Workforce Strategy for Meeting Utah BLM's Land Use Planning Challenge" – Final Recommendations to the Utah Leadership Team of 11/23/2000
- Utah Implementation Team (I-Team) Plan - "Utah Framework Implementation Plan"
- Use lessons learned and the GIS data development model for Grand Staircase-Escalante National Monument RMP

GIS hardware/software resources assembled to support these planning efforts will be integrated and coordinated with:

- Bureau Architecture Design and Implementation, a national BLM initiative to define Information Technology processes, hardware, and software and implement the results as an enterprise system.
- BLM GIS Transition Strategy, a national BLM initiative understand the existing situation and identify a strategy to transition the bureau to the enterprise GIS.

The Utah BLM is currently implementing its "GIS Implementation Plan" which documents GIS hardware/software installations, geospatial data management processes and policies for Utah BLM. This plan serves as the guiding document to manage and maintain an interim corporate GIS for Utah BLM.

The document may be downloaded at:

http://www.utso.ut.blm.gov/GeoSciences/utah_blm_gis.htm

This plan identifies a GIS hardware/software implementation strategy, outlines corporate data management processes, and calls out GIS Specialist/Dealmaker roles and responsibilities, including performance standards. A standard directory structure and naming conventions for the data layers have been identified and implemented, preliminary geospatial datasets have been documented with FGDC compliant metadata, loaded on the master GIS server in the USO and are currently being replicated to the RFOs. The next phases of this implementation effort will be the finalization and implementation of the GIS data standards/data stewardship process, the development of interim data standards, the integration of the multiple RFO datasets into seamless statewide corporate data layers and serving the resultant data to the field. The implementation of this plan sets the stage for a future transition to the bureau enterprise GIS that is being defined by the Bureau Architecture project. It is within this context that data for the RFO RMP will be developed.

Geospatial Database Development Guidelines:

The following guidelines will be adhered to as data is developed for this planning effort:

1. Existing data will be used where possible and new data will be collected only where absolutely necessary. All new data will be collected to established data standards. Existing data will be converted to accepted and established data standards.
2. The development of redundant data will be avoided by extensive coordination with our data partners. Data from existing sources will be used when possible.
3. Data for this planning effort will be integrated into seamless corporate datasets.
4. The data standards strategy used will be the following:
 - a. Established national data standards will be used when available.
 - b. Data standards from other agencies will be adopted when appropriate.
 - c. Data standards will be jointly developed and documented with our statewide data partners as appropriate. Data category standards teams, which include state data stewards, resource specialists, and GIS specialists from BLM and other agencies,

will be used as necessary. The national BLM data stewards will be included in the review process as appropriate.

5. All geospatial data used in this planning effort will be documented with Federal Geographic Data Committee (FGDC) compliant metadata.
6. Data sharing with the public will be accomplished through the use of BLM GIS data servers and interactive GIS Map Servers connected through the Internet. The national BLM website design guidelines and deployment strategy will be followed.

Data will also be available to the public through links to the Utah State Geographic Information Database (SGID) as appropriate and as existing laws and regulations allow.

7. Existing GIS-related agreements/partnerships will be used to supplement BLM resources for the data development and data integration efforts. Partners that are familiar with these datasets and that have a proven track record will be used.
8. Existing Utah BLM GIS Implementation Plan process/procedures will be followed to achieve a consistent corporate geospatial database in Utah BLM.

GIS Data Management Tasks

A brief overview of the specific data management tasks and processes is presented below.

1. Internal Coordination
A Utah BLM GIS Data Development coordination team will be formed to coordinate the development of a GIS database to support the planning efforts. This team will be composed of GIS Specialists/Dealmakers from the USO, from each FO with a planning start, and the GIS Specialist from the respective support center and will communicate on a weekly basis via conference call. This task will be coordinated and lead by the USO.
2. External Coordination
USO GIS/Geospatial Data personnel will continue to coordinate with our data partners through participation in Utah GISAC meetings and activities and coordinate with Utah BLM. Coordination with other entities will continue to be accomplished as required. This task will be coordinated and lead by the USO.
3. Data Inventory
This task includes cataloging available data sets, producing maps and screen displays of data for evaluation by the resource specialists. A preliminary information needs assessment has been conducted to identify data requirements for this planning effort. See the Data Matrix in Appendix B for more information. This will be coordinated by the USO and conducted by the RFO.
4. Data Acquisition
This task includes contacting data providers to request data and metadata. This data will then be added to the BLM corporate GIS database. Metadata will be prepared or modified as necessary. This task will be lead and coordinated by the USO. The RFO staff will assist as necessary.

5. Data Development Process

Core Data Standards Development

Utah BLM Data Stewards/Program Leads

Data Category Standards Teams

Data Integration

Includes data editing/updating

Horizontal Data Integration

USO GIS staff

Use of partnerships/contracts

Contract Management (USO GIS staff/FO GIS staff)

Vertical Data Integration

USO GIS staff

Use of partnerships/contracts

Contract Management (USO GIS staff/FO GIS staff)

Attribute Integration/Updates

USO GIS staff

Use of partnerships/contracts

Contract Management (USO GIS staff/FO GIS staff)

Data Validation/Verification

Includes verification map production and staff review of datasets.

Spatial Data

FO GIS staff

FO Resource Specialists

USO GIS staff

Attribute Data

FO GIS staff

FO Resource Specialists

USO GIS staff

Metadata Documentation

FO GIS staff

FO Resource Specialists

USO GIS staff

Combine Planning Data Into Utah BLM Corporate GIS Database

Arc/Info Librarian

Data Maintenance/Update Process

USO GIS staff

SDE/Informix Transition

Pilot Project beginning FY2001

USO GIS staff

USO IRM staff

Data Maintenance/Update Process

USO GIS staff

APPENDIX D

Pre-Plan Data Status								
1 Planning Questions	2 Needed Data Set (s)	3 Is Needed Data Set Available? Yes/No/Partially	4 Work Needed to Obtain New Data or Prepare Existing Data?	5 Est. Cost \$\$	6 *Are FGDC Metadata Available? Yes/No	7 Name/Source of Data Standard?	8 Does Available Data Meet a National or Regional Standard?	9 Name/Source of Potential National or Regional Data Standard?
1. Air Quality	Air Quality Data Precipitation	Yes	Obtain from EPA?? Obtain from Utah State University	\$1000	Unknown Yes	Unknown Utah State University	Unknown Unknown	Unknown Unknown
2. Cultural, Paleontology, and Natural History	Cultural Sites and Surveys	Partially	Coordinate with and obtain from Utah SHPO	NA	Unknown	Utah SHPO Cultural Data Standard	Regional	NA
	Archeology Sensitivity Areas	No	Digitize data	.25 wms	No	Utah BLM to develop	Will be regional	Utah BLM
	Paleontology Potential (Fossil Yield Potential Classification)	No	Use geology data-attribute potential of the various formations	.5 wms	No	Review BLM GSENM data standard	Will be regional	USFS/University of Wyoming-Utah BLM Paleontologist
3. Fire Management	Paleontology Sites	No??	Field Inventory???	1 year??	No	Utah BLM/Wyoming BLM	Will be regional	Utah BLM/Wyoming BLM
	Fire Management Zones	Yes	Data is available-review and validate	.25 wms	Yes	Utah BLM	Will be regional	Utah BLM
	Fire Suppression Areas	Partially	Data is available-review and validate (Data complete A,B,C,D polygons completed with the 2000 updated FMP)	.5 wms??	Yes	Utah BLM	Will be regional	Utah BLM
4. Woodland Harvest and Management	Wildfire History	Partially	Data is currently available on CDs in dispatch		Yes	DOI 1202 - BLM	National	DOI 1202 - BLM
	Woodland Collection Areas	Partially	Review/update existing data for Henry Mtn. PU, develop data for rest of FO Review/use USFS statewide woodland inventory data.	.5 wms	Partially	Review BLM GSENM data standard	Will be regional	Review/adapt BLM GSENM data standard
5. Hazardous Materials and Wastes	Abandoned Mine Land Inventory	No	Use MILS and Crib data for indication of the problem. Need a complete field inventory-priority near recreation sites	2 years w/three (2person) crews	No	BLM AML & State Abandoned Mine Reclamation Program Forms	National/regional	BLM AML & State Abandoned Mine Reclamation Program Forms
	Mining Districts	Yes	Review data. May require vertical integration with PLSS	NA	No	BLM Utah	Regional	Utah BLM

1 Planning Questions	2 Needed Data Set (s)	3 Is Needed Data Set Available? Yes/No/Partially	4 Work Needed to Obtain New Data or Prepare Existing Data?	5 Est. Cost \$\$	6 *Are FGDC Metadata Available? Yes/No	7 Name/Source of Data Standard?	8 Does Available Data Meet a National or Regional Standard?	9 Name/Source of Potential National or Regional Data Standard?
6. Lands and Realty	Easements Rights-o- Way (point, line, polygon) Rights-of-Way Corridors (Pipelines, etc.) Land Tenure Adjustments - Disposal/Acquisition Public Water Reserves Withdrawals Land Status Transportation (For detail, see #21. "All Questions" section at end of this table.) RS 2477 Assertions Municipal Watersheds Municipal Boundaries	No Partially Partially Partially Partially Partially Partially Partially Partially	Review case records and digitize for FO Review/update Henry Mtn. data. Develop data for balance of FO based on MTP review. Review/update Henry Mtn. data. Develop data for balance of FO. Acquire or digitize pipeline data for Kern River and Questar. Review/update Henry Mtn. data. Develop data for balance of FO. Vertically integrate with land status dataset Review/update Henry Mtn. data. Develop data for balance of FO. Vertically integrate with land status dataset Review/update Henry Mtn. data. Develop data for balance of FO. Integrate with land status dataset Review/update Henry Mtn. data. Develop data for balance of FO. Vertically integrate with GCDB based PLSS dataset Photo revise USFS fringe quads (approx. 73). Integrate county GPS data. Photo revise balance of FO. Acquire from Counties Manuscript & digitize for FO Revise and update based on municipal records	.25 wms 4 wms .5 wms 2 wms .5 wms .5 wms 2 wms NA .25 wms .5 wms 1 wms	No No No No No No No Yes No No	Utah BLM to develop/adopt Utah BLM to develop/adopt Utah BLM to develop/adopt Utah BLM to develop/adopt Utah BLM/State of Utah SITLA Utah BLM to develop/adopt Utah BLM/State of Utah SITLA State of Utah AGRC/Utah BLM Utah BLM to develop/adopt State of Utah AGRC/Utah BLM	Will be regional Will be regional	Utah BLM Utah BLM/State of Utah State of Institutional Trust Lands Administration (SITLA) Utah BLM/State of Utah SITLA Utah Canyon Country Partnership Transportation Share Codes Utah BLM State of Utah AGRC/Utah BLM

1 Planning Questions	2 Needed Data Set (s)	3 Is Needed Data Set Available? Yes/No/Partially	4 Work Needed to Obtain New Data or Prepare Existing Data?	5 Est. Cost \$	6 *Are FGDC Metadata Available? Yes/No	7 Name/Source of Data Standard?	8 Does Available Data Meet a National or Regional Standard?	9 Name/Source of Potential National or Regional Data Standard?
7. Rangeland Management	Grazing Allotments	Partially	Revise and update existing data, revise to meet BLM Utah data standard	2 wms.	Partially	BLM Rangeland Information System & GABBS	National Core Standard & BLM Utah Regional Standard	BLM Rangeland Information System Data Standard
	Range Improvements (point, line, polygon) Vegetation (see # 14 for detail)	Partially	Review/update Henry Mtn. data. Develop data for balance of FO. Vertically integrate with base datasets-plss, transportation, etc.	4 wms	No	BLM Rangeland Information System & RIPS	National Core Standard & BLM Utah Regional Standard	BLM Rangeland Information System Data Standard
8. Mineral Management	Subsurface Mineral Reservations/Status	No	Review MTPs/digitize and attribute data for all of the FO.	4 wms.	No	Utah BLM/State of Utah SITLA	Will be regional	Utah BLM/State of Utah SITLA
	Locatable Mineral Occurrence Potential	Partially	Review/update Henry Mtn. data. Develop data for balance of FO.	.5 wms	No	Utah BLM to develop/adopt	Will be regional	Utah BLM
	Uranium Potential	Partially	Review/update Henry Mtn. data. Develop data for balance of FO.	.25 wms	No	Utah BLM to develop/adopt	Will be regional	Utah BLM
	Mining Claim Density	Yes	Regenerate using Premier software.	.25 wms	Partially	Utah BLM to develop/adopt	Will be regional	Utah BLM
	Crib Data	Yes	Data is available		Partially	Utah BLM / UDOGM	Will be regional	Utah BLM / UDOGM
	MILS Data	Yes	Data is available		Partially	Utah BLM / UDOGM	Will be regional	Utah BLM / UDOGM
	Mineral Material Occurrence Potential	Partially	Review/update Henry Mtn. data. Develop data for balance of FO.	.5 wms	No	Utah BLM to develop/adopt	Will be regional	Utah BLM
	Community Pits/Free Use Areas	Partially	Review/update Henry Mtn. data. Develop data for balance of FO.	.5 wms	No	Utah BLM to develop/adopt	Will be regional	Review/adapt BLM GSENM data standard
	Oil and Gas Potential (including oil shale)	Partially	Review/update Henry Mtn. data. Develop data for balance of FO.	.5 wms	No	Utah BLM to develop/adopt	Will be regional	Utah BLM

1 Planning Questions	2 Needed Data Set (s)	3 Is Needed Data Set Available? Yes/No/Partially	4 Work Needed to Obtain New Data or Prepare Existing Data?	5 Est. Cost \$\$	6 *Are FGDC Metadata Available? Yes/No	7. Name/Source of Data Standard?	8 Does Available Data Meet a National or Regional Standard?	9 Name/Source of Potential National or Regional Data Standard?
9. Mineral Management	Special tar sand areas	No	Manuscript and digitize, verify	.25 wms	No	Utah BLM to develop/adopt	Will be regional	Utah BLM
	Oil and Gas Leases	Partially	Regenerate using Premier software	.25 wms	No	Utah BLM	Will be regional	Utah BLM
	Oil and Gas Categories	Partially	Review/update Henry Mfn. data. Develop data for balance of FO.	.5 wms	No	Utah BLM to develop/adopt	Will be regional	Utah BLM
	Coal Potential	Partially	Review/update Henry Mfn. data. Develop data for balance of FO. Coordinate with UGS/USGS	.75 wms	No	Utah BLM to develop/adopt	Will be regional	Utah BLM
	Coal Leases	Partially	Regenerate using Premier software	.25 wms	No	Utah BLM	Will be regional	Utah BLM
	SITLA Leases	Yes	Acquire from SITLA and integrate into planning database.		No	Utah BLM/State of Utah SITLA	Will be regional	State of Utah SITLA
	Subsurface Minerals Status	No	Manuscript, digitize, verify for FO.	6 wms	No	Utah BLM/State of Utah SITLA	Will be regional	Utah BLM/State of Utah SITLA
	Geology Data	Partially	Acquire from UGS. Develop data (100K) otherwise use 500K data	.5 wms	No	Utah Geologic Survey	Will be regional	Utah Geologic Survey
	10. Off-Highway Vehicle Use	ORV Designations	Partially	Review/update Henry Mfn. data. Develop data for balance of FO.	.5 wms	No	Utah BLM	Will be regional
Transportation (For detail, see #21. "All Questions" section at end of this table.)		Partially	Photo revise USFS fringe quads (approx. 73). Integrate county GPS data. Photo revise balance of FO.					
ORV Inventory-impact areas		No	Manuscript, digitize, verify for FO. Field inventory??	4 wms??	No	Utah BLM	Will be regional	Utah BLM
11. Rangeland Health/Rehabilitation	Vegetation (see #14)							
	Relic Plant Communities	No	Manuscript, digitize, verify for FO.	1 wms	No	Utah BLM		Review/adapt BLM GSENM data standard

1 Planning Questions	2 Needed Data Set (s)	3 Is Needed Data Set Available? Yes/No/Partially	4 Work Needed to Obtain New Data or Prepare Existing Data?	5 Est. Cost \$\$	6 *Are FGDC Metadata Available? Yes/No	7 Name/Source of Data Standard?	8 Does Available Data Meet a National or Regional Standard?	9 Name/Source of Potential National or Regional Data Standard?
12. Recreation	Recreation Sites- Developed	Partially	Review/update Henry Mtn. data. Develop data for balance of FO.	.5 wms	No	Utah BLM	Will be regional	Utah BLM
	Recreation Trails	No	Manuscript, digitize, verify for FO. Integrate into transportation dataset.	1 wms	No	Utah BLM	Will be regional	Utah BLM
	National Historic/Scenic Trails	No	Manuscript, digitize, verify for FO. Integrate into transportation dataset.	.25 wms	No	Utah BLM	Will be regional	Utah BLM
	Recreation Use Pattern Inventory (??)	No	Field inventory, GPS?, manuscript, digitize, verify for FO.	1 year	No	Utah BLM	Will be regional	Utah BLM
	ROS Classes	No	Manuscript, digitize, verify for FO.	4 wms	No	Utah BLM	Will be regional	Utah BLM
	SRMA/ERMA	No	Manuscript, digitize, verify for FO.	1 wms	No	Utah BLM	Will be regional	Utah BLM
	Back Country Byways	No	Manuscript, digitize, verify for FO. Integrate into transportation dataset.	.25 wms	No	Utah BLM	Will be regional	Utah BLM
							Utah BLM/USFS	Will be regional
13. Riparian Resources	Riparian Areas (point, line, polygon)	Partially	Review/update Henry Mtn. data. Develop data for balance of FO. Integrate proper functioning condition (PFC) attributes.	4 wms	No	Utah BLM/USFS	Will be regional	Utah BLM/USFS
14. Soils	Soil Survey (3 rd order)	Partially	Review/update Henry Mtn. data. Field inventory, manuscript, digitize, verify for FO.	2 years??	No	NRCS	National	NRCS
	Ecological Site Inventory (SWA) Data	No	Field inventory, manuscript, digitize, verify for FO. (Part of soil survey workload???)	2 years??	No	BLM	BLM??	BLM
15. Vegetation and Special Status Plants	Vegetation	No	Complete EIS (SWA) inventory	2 years??	No			
	Invasive/Noxious Plant Inventory Data	Yes	Append and integrate into statewide dataset convert to the national data standard (when adopted).	1 wms	No	NAWMA Data Standard	National	NAWMA Data Standard
	Special Status Species (T&E) Habitat	No	Manuscript, digitize, verify for FO.	4 wms	No	Utah BLM	Will be regional	Utah BLM
	State Special Status Species List	Yes	Acquire from State of Utah DNR.		Unknown	Utah BLM	Will be regional	Utah BLM
	Grasshopper/Mormon Cricket Potential Habitat	No	Manuscript, digitize, verify for FO.	.5 wms	No	Utah BLM	Will be regional	Utah BLM

1 Planning Questions	2 Needed Data Set (s)	3 Is Needed Data Set Available? Yes/No/Partially	4 Work Needed to Obtain New Data or Prepare Existing Data?	5 Est. Cost \$\$	6 *Are FGDC Metadata Available? Yes/No	7 Name/Source of Data Standard?	8 Does Available Data Meet a National or Regional Standard?	9 Name/Source of Potential National or Regional Data Standard?
16. Visual Resources	Scenic Quality Inventory	No	Manuscript, digitize, verify for FO.	4 wms	No	Utah BLM	Will be regional	Utah BLM
	Visual Sensitivity Inventory	No	Manuscript, digitize, verify for FO.	1 wms	No	Utah BLM	Will be regional	Utah BLM
	Distance Zone Inventory/Observation Points/Routes	No	Manuscript, digitize, verify for FO.	1 wms	No	Utah BLM	Will be regional	Utah BLM
	VRM Inventory Classes	No	Generate in GIS using above datasets	.25 wms	No	Utah BLM	Will be regional	Utah BLM
17. Watersheds and Water Quality	Ground Water Aquifer Data	Partially	Generate/model from geology dataset or obtain from State Water Resources	.5 wms	No	Utah BLM/State of Utah Water Resources	Will be regional	Utah BLM
	Watershed Boundary (Level 6)	Partially	Develop dataset using contract with USGS	\$15000	Yes	FGDC/USGS/NRCS (Federal Standards for Delineation of Hydrologic Unit Boundaries)	National	NA
	Threatened Water Sources (303 waters)	Yes	Obtain from State of Utah Division of Water Resources or EPA website	.25 wms	Yes	EPA data standard	National	NA
	Drinking Water Sources	Yes	Obtain from State of Utah Division of Water Resources	.25 wms	Unknown	State of Utah Division of Water Resources	Regional?	State of Utah Division of Water Resources
	Water Quality Data	Partially	Obtain from State of Utah Division of Water Resources	.25 wms	Unknown	State of Utah	Regional?	State of Utah Division of Water Resources
	National Hydrology Dataset	No	Conflate attributes from 1:100k data as part of AGRC/USGS data development partnership project	\$50000	No	USGS National Hydrology Data Standard	National	NA
18. Wild Horse and Burro Management	Wild Horse and Burro Herd Areas	Yes	Review and update as required - integrate w/Price FO data		Yes	Utah BLM Wild Horse and Burro Herd Area	Regional	Utah BLM
	Wild Horse and Burro Herd Management Areas	Yes	Review and update as required - integrate w/Price FO data		Yes	Utah BLM Wild Horse and Burro Herd Area	Regional	Utah BLM

1 Planning Questions	2 Needed Data Set (s)	3 Is Needed Data Set Available? <i>Yes/No/Partially</i>	4 Work Needed to Obtain New Data or Prepare Existing Data?	5 Est. Cost \$\$	6 *Are FGDC Metadata Available? <i>Yes/No</i>	7 Name/Source of Data Standard?	8 Does Available Data Meet a National or Regional Standard?	9 Name/Source of Potential National or Regional Data Standard?
19. Wilderness	WSA Boundaries Wilderness Inventory (202) Boundaries	Yes Yes	Review and update as required for FO Review and update as required for FO	1 wms 1 wms	Yes Yes	BLM -Wilderness and Wilderness Study Area GIS Boundary Mapping Standards BLM -Wilderness and Wilderness Study Area GIS Boundary Mapping Standards	National BLM National BLM	NA NA
20. Wild and Scenic Rivers	Wild & Scenic Rivers Inventory Data	No	Manuscript, digitize, verify for FO. Integrate with hydrology (water courses) dataset	2 wms	No	Under development	Regional	Review/adapt BLM GSENM data standard
21. Special Management Areas	ACECs (includes Outstanding Natural Areas, Research Natural Areas	Partially	Review/update Henry Mtn. data. Develop data for balance of FO.	1 wms	No	Utah BLM	Under development	Review/adapt BLMGSENM data standard

1 Planning Questions	2 Needed Data Set (s)	3 Is Needed Data Set Available? <i>Yes/No/Partially</i>	4 Work Needed to Obtain New Data or Prepare Existing Data?	5 Est. Cost \$\$	6 *Are FGDC Metadata Available? <i>Yes/No</i>	7 Name/Source of Data Standard?	8 Does Available Data Meet a National or Regional Standard?	9 Name/Source of Potential National or Regional Data Standard?
22. Wildlife Habitat and Special Status Species Management	Antelope Habitat	Partially	Obtain from State of Utah DWR, review and update as required for FO.	.5 wms	Unknown	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR
	Bison Habitat	Partially	Coordinate with State of Utah DWR, review and update as required for FO.	.5 wms	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR
	Elk Habitat	Partially	Coordinate with State of Utah DWR, review and update as required for FO.	.5 wms	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR
	Desert Bighorn Sheep Habitat	Partially	Coordinate with State of Utah DWR, review and update as required for FO.	.5 wms	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR
	Mnt. Bighorn Sheep Habitat	Partially	Coordinate with State of Utah DWR, review and update as required for FO.	.5 wms	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR
	Mule Deer Habitat	Partially	Coordinate with State of Utah DWR, review and update as required for FO.	.5 wms	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR
	Moose Habitat	Partially	Coordinate with State of Utah DWR, review and update as required for FO.	.5 wms	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR
	Sage Grouse Habitat	Partially	Coordinate with State of Utah DWR, review and update as required for FO.	.5 wms	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR
	Sage Grouse Leks	Partially	Coordinate with State of Utah DWR, review and update as required for FO.	.25 wms	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR
	Raptor Nests	Partially	Coordinate with State of Utah DWR, review and update as required for FO. Field inventory??	1 year?	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR
	Turkey Habitat	Partially	Coordinate with State of Utah DWR, review and update as required for FO.	.5 wms	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR
	Upland Game Bird Habitat	Partially	Coordinate with State of Utah DWR, review and update as required for FO.	.5 wms	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR

1 Planning Questions	2 Needed Data Set (s)	3 Is Needed Data Set Available? Yes/No/Partially	4 Work Needed to Obtain New Data or Prepare Existing Data?	5 Est. Cost \$\$	6 *Are FGDC Metadata Available? Yes/No	7 Name/Source of Data Standard?	8 Does Available Data Meet a National or Regional Standard?	9 Name/Source of Potential National or Regional Data Standard?
23. Wildlife Habitat and Special Status Species Management	UDWR Management Units Wildlife Habitat Management Plans Fish Habitat Special Status Species (T&E Mammals-Utah Prairie Dog, etc.) Habitat Special Status Species (T&E Birds) Habitat Special Status Species (T&E Fish) Habitat Special Status Species (T&E Invertebrates) Habitat Special Status Species Habitat Management Plans State Sensitive Wildlife Species Data Animal Damage Control Data Watchable Wildlife Viewing Sites	Yes Partially Partially Partially Partially Partially Partially Partially Yes Partially No	Coordinate with State of Utah DWR, review and update as required for FO. Coordinate with State of Utah DWR, review and update as required for FO. Coordinate with State of Utah DWR, review and update as required for FO. Coordinate with State of Utah DWR, review and update as required for FO. Coordinate with State of Utah DWR, review and update as required for FO. Coordinate with State of Utah DWR, review and update as required for FO. Coordinate with State of Utah DWR, review and update as required for FO. Coordinate with State of Utah DWR, review and update as required for FO. Obtain from State of Utah DWR Integrate and attribute grazing allotment data Develop during planning process	.25 wms .25 wms .5 wms .5 wms .5 wms .5 wms .25 wms .25 wms .25 wms .25 wms .25 wms	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown No No	State of Utah DWR State of Utah DWR State of Utah DWR Utah BLM/State of Utah DWR State of Utah DWR Utah BLM/State of Utah Utah BLM	Regional (Utah) Regional (Utah) Regional (Utah) Regional standard will be developed Regional (Utah) Regional standard will be developed Regional standard will be developed	Will adapt/use State of Utah DWR Will adapt/use State of Utah DWR Will adapt/use State of Utah DWR Utah BLM 1994 Content Standard Utah BLM 1994 Content Standard State of Utah DWR Utah BLM Utah BLM

1 Planning Questions	2 Needed Data Set (s)	3 Is Needed Data Set Available? Yes/No/Partially	4 Work Needed to Obtain New Data or Prepare Existing Data?	5 Est. Cost \$\$	6 *Are FGDC Metadata Available? Yes/No	7 Name/Source of Data Standard?	8 Does Available Data Meet a National or Regional Standard?	9 Name/Source of Potential National or Regional Data Standard?
24. All Planning Questions/Issues (Base Data)	Cadastral (GCDB)	Partially	Complete GCDB collection, integrate various sources (AGRC cadastral data, Utah BLM wilderness team GCDB and FO data) into a single seamless "cadastral" coverage. Integrate various data sources with GCDB	9 wms	Partially	Cadastral Data Standard	National FGDC Standard	NA
	PLSS	Partially	Review/update Henry Min. data. Develop data for balance of FO. Vertically integrate with GCDB based PLSS dataset Coordinate with SITLA	2 wms	Partially	State of Utah AGRC/Utah BLM	Regional	State of Utah AGRC/Utah BLM
	Land Status	Partially	Review/update Henry Min. data. Develop data for balance of FO. Vertically integrate with GCDB based PLSS dataset Coordinate with SITLA	4 wms	Yes	State of Utah SITLA/AGRC/Utah BLM	Regional	State of Utah SITLA
	Boundaries (jurisdictional-state, county, federal agency)	Partially	Review/update Henry Min. data. Develop data for balance of FO. Vertically integrate with GCDB based PLSS dataset Coordinate with SITLA	1 wms	Partially	State of Utah SITLA/AGRC/Utah BLM	Regional standard will be developed	State of Utah SITLA
	Municipal Boundaries	Partially	Review with municipalities and update as required. Photo revise USFS fringes quads (approx. 73). Integrate county GPS data. Photo revise balance of FO.	1 wms	No	State of Utah AGRC/Utah BLM	Regional standard will be developed	State of Utah AGRC
	Transportation	Partially	Photo revise USFS fringes quads (approx. 73). Photo revise balance of FO.	\$48000 \$20000	Partially	State of Utah AGRC/Utah BLM	Will meet regional standard	Canyon Country Partnership Transportation Share Codes
	Hydrology	Partially	Obtain from USGS and/or State of Utah AGRC	\$10000	Partially	State of Utah AGRC/Utah BLM/USGS	Will meet regional standard	State of Utah AGRC/Utah BLM/USGS
	Geographic Place Names	Yes		NA	Yes	USGS	Yes	NA

* Executive Order #12906 requires FGDC-compliant metadata for geospatial data used by Federal agencies.

Notes

1. **PLANNING QUESTION** - The question, or issue with a data requirement. (Pre-Plan Question/Issue from I.M. 2001-038)
2. **NEEDED DATA SETS** - The specific data needed to address the PLANNING QUESTION.
3. **AVAILABILITY OF DATA SETS** - Is there existing data or new data yet to be collected or acquired?
4. **WORK TO OBTAIN/PREPARE DATA** - If new data, describe how the data will be obtained. If existing data will be converted to GIS or some other format, describe processing.
5. **ESTIMATED COSTS** - Summary of costs associated with collecting or converting required data.
6. **AVAILABILITY OF FGDC METADATA** - Does metadata exist that is in compliance with the FGDC Geo-Spatial Metadata Content Standard?
7. **NAME/SOURCE OF DATA STANDARD** - What is or will be the name/source of the data standard? What kind of data is it: has it been designated by BLM at the National, State, Regional, Local level? If the data does not meet a national standard, be sure to document the standard being used. If the data does not meet that standard, indicate that.
8. **DATA MEETS NATIONAL OR REGIONAL STANDARD** - If there is a national or regional standard, does/will the data meet that standard? (Verify with Data Steward)
9. **NAME/SOURCES OF POTENTIAL DATA NATIONAL OR REGIONAL STANDARD** - If there is a national or regional data standard in general use, but is not being used in your plan, and you believe it would be an appropriate standard to work toward, list it.

Entries for data sets that apply to more than one question should be cut and pasted to complete the entry for each line so that each action type/question is self-contained. This will enable us to more readily transfer information to a database.

APPENDIX E
PRELIMINARY DEIS FORMAT AND CONTENT OUTLINE

Cover Sheet: Title, Type, Lead Agencies and Cooperators, Project Lead/public contact person for comments, Abstract, EIS review and consultation requirements, date of issuance, date comments due, Name, Title of responsible official

Dear Reader Letter

Executive Summary

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This section will show baseline, condition or trends that may be affected by the various alternatives, relative importance of the affected resources and relationships to the region, highlight those values that do not fit traditional resources categories, and incorporate by reference suitable affected environment material from the existing land use planning base.

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