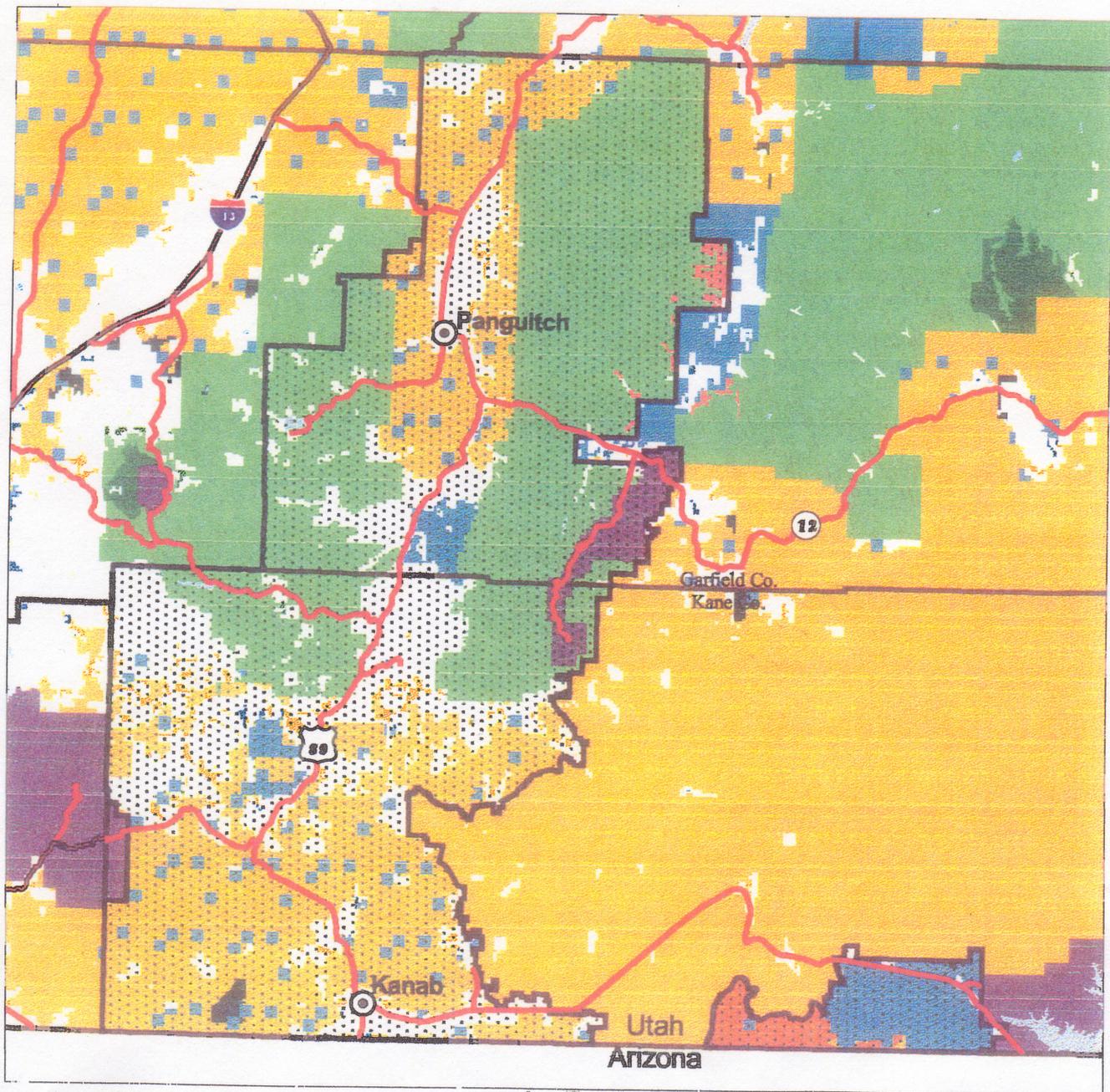


**Pre-Plan Analysis
for the
Kanab Field Office
Resource Management Plan**



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July 2, 2004

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PREPARATION PLAN
FOR THE
KANAB FIELD OFFICE
RESOURCE MANAGEMENT PLAN

A. INTRODUCTION

1. Background

The Kanab Field Office (KFO) proposes to prepare a new Resource Management Plan (RMP). This RMP will be a joint effort between the KFO, Grand Staircase-Escalante National Monument (GSENM), and the St. George Field Office (SGFO). There are lands outside GSENM, administered by the Monument, which are currently managed under the same old Land Use Plans as the KFO – these lands do not include enough acres to warrant their own separate RMP, so they will be included in the KFO planning effort. The SGFO has proposed developing a joint transportation plan with KFO – the SGFO RMP (approved in March 1999) needs to be amended to include a transportation plan due to increased recreational use since the RMP was approved. This joint transportation plan would result in greater consistency across administrative boundaries.

The Kanab Field Office and the non-Monument lands administered by GSENM are managed under the Escalante, Paria, Vermilion, and Zion Management Framework Plans (MFPs), and the Cedar/Beaver/Garfield/ Antimony RMP. The Escalante, Paria, Vermilion, and Zion MFPs were approved in 1981, while the Cedar/Beaver/Garfield/ Antimony RMP was approved in 1986. All of these old land use plans have been amended at least once (see #3 of this section for a listing of all plan amendments).

The Kanab Field Office is situated in the canyon, plateau, and desert areas of the Colorado Plateau physiographic province. It is located in southcentral Utah and encompasses the western portions of Kane and Garfield Counties. Geographically, the planning area is bounded by the Piute County line and the Dixie National Forest on the north, the Washington County line and Zion National Park on the west, the Arizona state line on the south, and Johnson Canyon on the east. Additionally, the Utah portion of the Paria Canyon-Vermilion Cliffs Wilderness, which is administered by the KFO, is included in the planning area. Major drainages include the North Fork of the Virgin River, Orderville Gulch, the East Fork of the Virgin River, Kanab Creek, Sevier River, and the Paria River. Elevations within the planning area range from about 8,100 feet on the southern flank of the Markagunt Plateau (east of Zion National Park) to about 4,500 feet at the Barracks along the East Fork of the Virgin River.

The KFO contains historical communities, diverse terrain, scenic landscapes, and recreational attractions that figure prominently in the settlement, history, culture, and recreational enjoyment of southern Utah. Most of the traditional occupational pursuits historically associated with Utah can be found such as farming, ranching, mining,

tourism, retail trade, transportation, and construction. Major transportation routes include U.S. Highway 89 (Kanab Scenic Byway), State Route 9 (Zion Park Scenic Byway), State Route 14 (Markagunt Scenic Byway), State Route 12 (Scenic Byway), Johnson Canyon-Alton Amphitheater Scenic Backway, Yellowjacket Road, Hancock Road (Ponderosa-Coral Pink Sand Dunes Scenic Backway), Posey Lake Road (Scenic Backway) and Upper Cottonwood Canyon Road (Scenic Backway).

There are approximately 1,589,400 acres of land within the planning boundary, of which there are about 600,000 acres of public lands administered by the KFO and about 40,500 acre administered by GSENM. The public lands within the planning area that are administered by GSENM (but are located outside the Monument boundary) are located primarily in the Bryce Valley and around the town of Escalante, on the northern edge of the Monument.

There are numerous communities and residential subdivisions located within the planning area. The KFO shares common boundaries with Zion National Park, Bryce Canyon National Park, Dixie National Forest, and BLM's Arizona Strip Field Office, St. George Field Office, Cedar City Field Office, and Grand Staircase-Escalante National Monument (GSENM). Coral Pink Sand Dunes State Park, Kodachrome Basin State Park, Escalante Petrified Forest State Park, and Anasazi State Park Museum are contained within the planning area. There are a variety of agreements with the National Park Service, U.S. Forest Service, State of Utah, and other BLM offices affecting management of numerous KFO programs.

2. Purpose and Need

Since completion of the Escalante, Paria, Vermilion, and Zion MFPs in 1981, and the Cedar/ Beaver/Garfield/Antimony RMP in 1986, considerable changes have occurred within the planning area. Grand Staircase-Escalante National Monument, created by Presidential Proclamation in 1996, carved about 1,086,000 acres out of the KFO – these lands are no longer administered by the KFO, so the planning area has dramatically changed. In addition, heightened public awareness, increased public demand for use of the lands, new threatened/endangered species listings, and increases in conflict between competing resource values and land uses continue to challenge BLM's management goals and objectives. The KFO and GSENM are facing a wide variety of issues affecting local communities; regional, state, and national interests; and the health of our natural resources.

It is anticipated that the new land use 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 land use plan will be to establish guidance, objectives, policies, and management actions for public lands administered by the KFO and non-Monument

lands administered by GSENM. The plan will be comprehensive in nature and will resolve or address issues within the KFO/GSENM 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 land use plan will address and integrate, to the degree possible, all BLM, Forest Service, Park Service, state government, and local government management plans related to management of the lands in or adjacent to the public lands managed by the KFO and non-Monument lands administered by GSENM.

In addition to the purposes described above, the new land use 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 planning policy.

The Pre-Plan provides the general blueprint for how the KFO RMP will be developed. It is our intention that the Pre-Plan be dynamic; therefore, 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 KFO 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. The BLM will seek to be consistent with, or complimentary to, other management actions. Whenever possible, valid resource decisions and management prescriptions will 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

- Kane County, Utah
- Garfield County, Utah

Other Federal Plans

- Grand Staircase-Escalante National Monument Management Plan - 2000
- Arizona Strip RMP (a new planning effort is under way which will result in separate plans for the Arizona Strip Field Office, Grand Canyon-Parashant National Monument, and Vermilion Cliffs National Monument).
- St. George Field Office Resource Management Plan - 1999
- Dixie National Forest Land Use Plan – in progress
- Zion National Park Land Use Plan
- Bryce Canyon National Park Land Use Plan
- Glen Canyon National Recreation Area General Management Plan - 1979

State Land Use Plans

- Coral Pink Sand Dunes State Park Land Use Plan
- Kodachrome Basin State Park Land Use Plan
- Escalante Petrified Forest State Park Land Use Plan
- Anasazi State Park Museum Land Use Plan
- Scenic Byway 12 Corridor Management Plan
- Utah Department of Transportation Management Plan for Highways 12 and 63

Kanab Field Office MFP/RMP Amendments, Other Plans, and Agreements

- Land Tenure Adjustments – 1998
- Color Country Fire Management Plan
- Annual Fire Plan
- Coral Pink Sand Dunes Management Plan – 2000
- Water Canyon/South Fork Indian Canyon – 1986
- Marysville/Circleville Habitat Management Plan – 1977
- Garfield Habitat Management Plan – 1985
- Paria Wildlife Habitat Plan – 1972
- East Zion Habitat Management Plan – 1964 (updated in 1982)
- Paunsaugunt Habitat Management Plan – 1984
- Kanab/Escalante Rangeland Program Summary and Updates – 1981, 1984, 1987
- State Historic Preservation Office Programmatic Agreement – 2001
- Assistance Agreement with Coral Pink Sand Dunes State Park – 2002
- Agreement with Best Friends for Joint Management of a Nature Trail – 2002

Minerals Plans

- Kanab District Oil and Gas Leasing Program Environmental Analysis Record – 1976
- Cedar City District Supplemental Environmental Assessment for Oil and Gas Leasing – 1988

Recreation/Wilderness Management Plans

- Paria Canyon-Vermilion Cliffs Wilderness Management Plan – 1986
- Programmatic Environmental Assessment for Guided Vehicle Tours – 2001
- Utah Wilderness Inventory - 1999

Endangered Species Recovery Plans

- Northern States Bald Eagle Recovery Plan - 1983
- Mexican Spotted Owl Recovery Plan - 1995
- Southwestern Willow Flycatcher Recovery Plan - 2002
- Welsh's Milkweed Recovery Plan - 1992
- Conservation Agreement and Strategy for the Coral Pink Sand Dunes Tiger Beetle - 1997

Existing Environmental Impact Statements (EIS)

- Kanab-Escalante Grazing EIS – 1980
- GSENM Rangeland Program EIS – in progress
- Utah BLM Statewide Wilderness EIS, 1990

B. PUBLIC PARTICIPATION PROCESS AND INTEREST GROUPS

The key factor in a successful planning effort is our ability to provide an open and honest environment in which to meaningfully involve the public throughout the planning process. The BLM will actively seek to involve the public in a manner that will foster long term relationships, and build ownership in the management of public lands. A variety of methods will be used throughout this process. In September and October of 2003, economic workshops were held in Escalante and Kanab using the Economic Profile System (EPS) developed by the Sonoran Institute and BLM. The workshop held on September 9, 2003 was requested and organized by Kane County. These workshops resulted in public input, comments, and baseline data that will be used in the RMP.

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.).

- Utilize the existing KFO/GSENM websites.
- Develop mailing list, database, and tracking system for comments.
- Publish regular Planning Bulletins.
- Host Planning Orientation/Scoping Meetings.
- Provide the opportunity for State, local, and Tribal government entities to participate in the planning process as Cooperating Agencies.
- Build upon existing collaborative workgroups.
- May 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 having 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 websites.
- Provide for a variety of public involvement including written correspondence, e-mail, websites, and public contact representatives.
- Invite the public to discuss options for analysis and methodologies used in development of the EIS.

4. Publish Draft EIS

- 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/Proposed RMP.
- 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. 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 RMP’s and other major BLM actions. The RDCC is the reviewing authority for the Governor’s consistency review. Presentations of the Draft EIS and Final EIS/Proposed RMP will be made to RDCC at the time of release to the public.

2. Indian Tribe Coordination

The BLM will coordinate all aspects of the land use planning process, including scoping, with potentially affected Indian tribes. Tribes will be offered opportunities to consult on all areas of concern as identified by the tribes. Particular emphasis will be placed on the identification of Traditional Cultural Properties, sacred sites, and areas of traditional use that may be affected by planning decisions. One known area of concern centers on land use activities with potential to disturb human remains.

3. Counties and Five County Association of 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 as Cooperating Agencies.

4. Other Federal Agency Coordination

The BLM will work with the Forest Service, Fish and Wildlife Service, Environmental Protection Agency, Bureau of Reclamation, 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 these other BLM offices 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 and manages wildlife on public lands. The Division of Oil, Gas and Mining is the State agent for SITLA lands regarding minerals. Close

coordination with all of these agencies will be a matter of standard operating procedure. The BLM will also coordinate closely with the State Historic Preservation office 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 include: environmental organizations, industry interests, grazing permittees, cattleman's and woolgrower's associations, 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. Congressional Delegation

Keep appropriate Congressional delegation(s) informed of key issues and meetings.

9. 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 RMP preparation process.

C. PRELIMINARY PLANNING CRITERIA

Planning criteria are the constraints or ground rules that guide and direct the development of the RMP, and determine how the planning team approaches development of alternatives and ultimately, selection of a Preferred Alternative. Planning criteria 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 managers and staff to develop a preliminary planning base map delineating geographic analysis units.

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

Preliminary Planning Criteria:

- This plan will recognize the existence of valid existing rights.
- Lands addressed in the RMP will be public lands (including split estate lands) managed by the BLM. Decisions on lands not managed by the 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.
- As described by law and policy, the BLM will strive to ensure that its management prescriptions are as consistent as possible with other planning jurisdictions within the planning area boundary.
- Management prescriptions will consider a range of alternatives that focus on the relative values of resources and ensure responsiveness to the issues and not the combination of uses that will give the greatest economic return or output.
- 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 systems.
- 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) 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 from WSA status by Congress. If areas are designated as wilderness by Congress, they will be managed to preserve their wilderness values, according to applicable laws and 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 will be considered in accordance with Rangeland Health Standards and Guides. Standards and guides will be applicable to all alternatives.
- Baseline Reasonably Foreseeable Development (RFD) scenarios will be developed and portrayed based on historical, existing, and projected levels for all programs.
- The BLM will coordinate with Indian Tribes to identify sites, areas, and objects important to their cultural and religious heritage.
- Cultural resources will be evaluated for use allocations, if appropriate, including

provisions for interpretation, preservation, conservation, and enhancement.

- Paleontological 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.
- The decisions of this plan will comply with the Clean Water Act and follow the Utah Best Management Practices for ensuring water quality.
- 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 (including identification of desired future condition for specific areas) will be developed. Limits will be identified on the type and amount of disturbance that will be allowed before mitigation is required. Management of noxious weeds will be addressed.
- This planning effort will follow agency manuals, handbooks, and policy for management of visual resources in the planning area.
- Management actions will be responsive to the issues, concerns, and opportunities identified for resolution in this plan.
- Transportation planning will be addressed, including designation of OHV polygons and individual routes. Decisions regarding off-highway vehicle driving will be consistent with the BLM's National OHV Strategy.
- Woodland products objectives will be identified in this plan.
- Public lands within the planning area are being impacted by the population explosion in the West. This population growth (as well as its impacts to the public lands) will continue in the future. The RMP must be flexible enough to address this issue into the future.

D. PRELIMINARY PLANNING ISSUES AND MANAGEMENT CONCERNS

Significant change has taken place since completion of the current land use plans. 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 KFO/GSENM are 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 KFO/GSENM. 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 the BLM within the life of the plan.

The following preliminary planning issues were identified by the KFO during an evaluation conducted in September 2002. A copy of this evaluation is available for review at the KFO. The evaluation consisted of a review of the Escalante MFP, Paria MFP, Vermilion MFP, Zion MFP, and Cedar/Beaver/Garfield/Antimony RMP.

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

1. **Air Quality:** In conducting this regional planning effort, the BLM will ensure compliance with all applicable local, state, tribal, and Federal air quality laws, statues, regulations, standards, and implementation plans. Mandatory Federal PSD Class I areas are located nearby (Bryce Canyon National Park and Zion National Park). Baseline data to address potential air quality impacts is needed for the RMP process. Monitoring data collected by the NPS should be utilized.
2. **Cultural Resources:**
 - This planning effort will take into consideration all new laws, regulations, manuals, program guidance, and agreements for cultural resources in the planning area.
 - This planning effort will seek to actively consult with and fully address concerns and recognize values important to Indians in compliance with all current laws, regulations, policies, and strategies. These will include guidance, tribal government sovereignty, and orientation between governments.
 - The Class I Overview is out of date and upgrades are necessary to appropriately address cultural resource issues.

- This planning effort will seek to provide a more active and educational forum for the management of these cultural resources including consideration of values, for science, education, recreation, research.
- 3. Paleontological Resources:**
- This planning effort will take into consideration all new laws, regulations, manuals, and program guidance for paleontological resources in the planning area.
 - This planning effort will seek to provide a more active and educational forum for the management of these paleontological resources including consideration of values, for science, education, recreation, research.
- 4. Fire Management:** Associated with the wildland/urban interface issue is the ongoing concern related to wildfire risk. At issue are the accumulation of fuels (due to the nature/flammability of different vegetation types and fire suppression over the past 100 years), as well as the proximity of those types of fuels to homes and other structures. This RMP will address appropriate fire management actions including areas where fire is not desired, areas where fire can (and should) be used as a resource management tool for habitat restoration, and areas where fuel reductions are necessary as required by the 2001 Federal Wildland Fire Policy. The RMP will also address how fire rehabilitation will occur (including use of native/non-native seed).
- 5. Woodland Harvest and Management:** There is an increased demand for forest and woodland product harvests in the KFO. This demand includes commercial and non-commercial harvests of fuelwood (both green and dead), and Christmas tree cutting. The RMP will address areas available for harvest, management practices, and allowable harvest levels for sustained-yield or other management objectives.
- 6. Hazardous Sites, Materials, and Wastes:** Where appropriate, the RMP will address hazardous materials issues, taking into consideration all new laws, regulations, and policies concerning hazardous wastes. The inventory of hazardous sites will be updated, such as abandoned mine sites, and management plans developed primarily in existing and proposed recreation areas so the hazards can be eliminated.
- 7. Lands and Realty:** Increased demand for public lands indicates that the old MFPs/RMP need to be updated. The new RMP will ensure that the following are appropriately addressed:
- Up-to-date land ownership.
 - Transportation planning, including a complete Travel Route Inventory.

- Define where utility right-of-way corridors could be located, including avoidance and exclusion areas, and coordination with neighboring BLM and other tribal or agency jurisdictions.
 - Providing access to public lands where possible, as well as providing access to inholdings.
 - Proposals for land tenure adjustments will be evaluated in the context of facilitating resource management objectives.
 - Management of acquired lands.
 - Review current withdrawals and consider additional withdrawals for resource protection. Develop management plans for those withdrawals that are retained.
 - Alternative Energy Resource (wind power, etc.).
 - Develop criteria to utilize in evaluating proposals for land tenure adjustments.
 - Identify lands to be considered for disposal (including land sales, and needs of land for local and other government entities for public purpose use).
 - Development and use of existing and new communication sites.
- 8. Rangeland Management and Health/Rehabilitation:** The new RMP will address the following factors affecting rangeland management:
- Incorporate all Standards for Rangeland Health and Guidelines for Grazing Management into the RMP, making it clear that the Standards apply standards to all resources and activities (not just rangeland management).
 - The 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.
 - Incorporate in the plan Bureau policy regarding native versus introduced species for rangeland rehabilitation.
 - Update changes in grazing management occurring since the last planning effort due to allotment evaluations, voluntary relinquishments, changes in allotment acreages, changes in class of livestock, changes in land ownership, etc.
 - Evaluate current forage allocations for wildlife and livestock.
 - Identify a uniform policy across the entire KFO area for access to range improvements (for maintenance purposes) that are located within wilderness study areas.

- 9. Minerals Management:** Projected mineral development will be revisited in the new RMP. Baseline minerals information for the existing planning area needs 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 include the following:
- The RFD for oil and gas requires updating to reflect recent developments and trends and should include a scenario for full field development in the Alton and Kolob coalfields.
 - An RFD is needed for locatable, salable, and other leasable minerals.
 - Update mineral potential assessments throughout the planning area.
 - Review and develop lease stipulations and mitigation and ensure consistency throughout the planning area and between BLM offices. Surface use stipulations developed for oil and gas will apply across the board to all surface disturbing activities (to include re-evaluation of the unsuitability criteria).
 - Increased demand for energy resources and mineral materials needs to be balanced against the need for protection of other resources.
- 10. 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 and protect sensitive resources.
- Existing OHV designations should be reviewed and modified where needed to meet changing resource objectives. Designations should be coordinated with other land management units. OHV designations in existing land use plans are out of date and do not address current use patterns or adequately mitigate adverse impacts on resources.
 - All lands will have OHV designations (open, limited, closed) and those areas designated as “limited” will have specific road and trail designations made (see Handbook 1610-1).
 - Emergency closures for Parunuweap Canyon, North Fork Virgin River, and Orderville Canyon WSAs will be reviewed to determine if they should become permanent.
- 11. Recreation:** Recreation management is of significant concern due to the presence of world-class recreational resources in the planning area. This planning effort would review current and projected recreation uses to determine appropriate management. The following will be considered:
- Utah Recreation Standards for public land health and Guidelines for Recreation Management (IM UT 2001-090).

- Identifying additional Special Recreation Management Areas requiring enhanced or special management for recreational uses or for protection of recreational related resource values.
 - Incorporating Special Recreation Permit (SRP) policies and regulations into the plan that require consistent application within the planning area as well as coordination with neighboring BLM offices.
 - Assessing recreation use patterns and analyze impacts on other resource values. Establish limits of use or limits of acceptable change that will protect resource values while satisfying the public demand for recreation.
 - Establishing criteria to provide consistent application of special and extensive recreation management areas within the planning area.
 - Evaluating the management of existing recreation developments and the need for upgrading them. Determine the need for new recreation facilities.
 - Identifying Recreation Activity Emphasis Areas/ROS management zones (BLM Manual 8320).
 - Establishing management objectives for Scenic Byways and Scenic Backways.
 - Identifying land tenure adjustments and access needed to achieve recreation management objectives.
 - Incorporating management prescriptions from the old MFPs/RMP if still valid.
- 12. Riparian Resources:** The current RMP does not 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 measures for activities resulting in disturbances to riparian areas.
- 13. Vegetation and Special Status Plants:** Management of vegetation for forage, seed collections, watershed protection, and special status plant species has changed in a number of ways since the completion of the existing MFPs/RMP. Issues to be considered include the following:

- In consultation with the Fish and Wildlife Service (FWS) and the state of Utah, adopt the list of special status/sensitive plants for the RMP.
- 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.
- The RMP will address collection of brush and grass seed, including identifying what areas and species are available for collecting, as well as areas where collecting would not be authorized to protect resources.
- Management of noxious weeds and non-native invasive species is not addressed in the current MFPs/RMP. The new RMP would establish integrated pest management criteria in light of current policy and laws for management of these species.

14. Visual Resources: Visual resource management (VRM) is of considerable concern given the spectacular scenery and significant growth in visitation of the planning area, as well as the overall increased interest in the Colorado Plateau. Changes in visitor use patterns and magnitude has escalated concerns about enhanced protection of visual resources.

- The existing VRM classification system will be reviewed and amended as necessary with the intent to assess/reassess the current VRM designations, and to designate/redesignate VRM classes as necessary
- Establish criteria for management within VRM classes.

15. Watersheds and Water Quality: 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, and sources at risk for water quality due to naturally occurring formations.
- Determine where current uses and activities may be contributing to water quality problems and address management options to resolve the problems in the new RMP.

- Identify priority watersheds within the planning area. Develop management criteria for actions allowed within these priority watersheds.
 - Identify fragile soils within the planning area. Develop management criteria for actions allowed within these fragile soil areas, with the intent of minimizing soil loss and salinity contributions to the Colorado River.
 - 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.
 - Evaluate development of coal bed methane, and how this development could affect water quality.
- 16. Wilderness:** Management of lands with wilderness characteristics 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). The RMP will analyze the interaction between interim management of WSAs and other programs, and consistent management prescriptions will be developed. According to IM-2003-275, the BLM will not designate new WSAs through the land use planning process. In addition, the BLM will not allocate any additional lands to be managed under the non-impairment standard prescribed in the IMP. Instead, the BLM may consider information on wilderness characteristics, along with information on other uses and values, when preparing land use plans.
- 17. Wild and Scenic Rivers:** Wild and Scenic River determinations will be made in this planning effort, including finding of eligibility, tentative classification, and suitability. Rivers crossing multiple jurisdictions will be coordinated with appropriate offices and agencies to arrive at watershed level management prescriptions. Public nominations will be solicited.
- 18. Special Management Areas:** Through this RMP, 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 the Water Canyon/South Fork Indian Canyon ACEC will be reviewed to determine if they are still appropriate. A management plan for this ACEC will be developed.
 - Previous ACEC nominations will be revisited and new nominations will be solicited through this planning effort. Priorities for management plan

development and implementation for new ACECs will be established.

19. Wildlife and Fish Habitat, and Special Status Species Management:

Increased use of public lands, changing laws and guidance, and new listings require that some goals and objectives pertaining to wildlife habitat and special status species in the Escalante, Paria, Vermilion, and Zion MFPs and the Cedar/Beaver/Garfield/Antimony RMP be updated. Issues related to wildlife habitat 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. This should include the objectives of wildlife habitat management plans (HMP) and UDWR herd management plans.
- Forage allocations for big game species needs to be reviewed and modified to provide for objective levels of big game species and to resolve the problem with expanding wildlife populations and species into new habitats. Review AUM allocations for livestock and big game and apply the rangeland standards and guidelines to resolve forage issues.
- Special status species locations, populations, and habitats need to be documented. Conservation and protection strategies will need to be included in the new RMP. 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. A new species list will be requested from USFWS and a Consultation Agreement with the FWS will be developed according to the National MOU. The new plan will incorporate 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. This will include the recovery plans for the spotted owl and the southwestern willow flycatcher, as well as continuing older recovery plans.
- Identifying land tenure adjustments needed to acquire special status habitat.
- Work cooperatively with UDWR to consider reestablishing populations of native species to historic ranges within the planning area.

E. DATA AND GIS NEEDS

The overall data management strategy and effort expended to acquire, develop, use and share geospatial data for the KFO RMP will be integrated and coordinated with existing Federal governmental, BLM, and Utah BLM data management initiatives (A). 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 ensure 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 ensure 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 ensure this data is accessible for use during RMP implementation and for use by other programs in conducting their day-to-day business. This will be one of the most intensive tasks during the first and second years of the 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 integration, and preparation of metadata documentation for the database. Portions of this Information Technology Services 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 A also provides a table which identifies current data needs, GIS data layers, data layer condition and known data layer gaps. Availability of metadata 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. KFO is considering hiring an additional position for support of the GIS program for this planning effort; other options for GIS support include utilizing contractor assistance or support from the Cedar City Field Office GIS shop. 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 responsible for regional coordination and oversight of controversies and issues that 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. KFO Management Team (MT):** The team consists of the Field Manager and Assistant Field Manager. 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. 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.
- 4. State Office Wilderness Planning Team (SOWPT):** The permanent State Office Team includes wilderness planners, GIS specialists, and a field inventory specialist. Members function as support for all components of the planning process and are an integral part of all the Teams described above. The wilderness planners will do the following: compile the wilderness portion of the Management Situation Analysis; work in close coordination with the KFO and the contractor during alternative development; be responsible for writing the wilderness components of the draft and final EIS and proposed and final RMP; complete responses to wilderness comments; and work on protest resolution as necessary. Since the SOWPT Team will be responsible for all of the above items, the wilderness component of this RMP will not be part of the contract.

G. FORMAT AND PROCESS FOR THE PLAN

1. Format

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

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 identify 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 ACECs;
- Rely, to the extent possible, on available data regarding natural resources;
- Consider present and potential uses of the public lands;
- Consider the relative scarcity of values and availability of alternative means and locations for recognizing those values;
- Weigh long term benefits to the public against short term benefits;
- Provide for compliance with Federal, and state laws, standards, and implementation plans;
- Provide for consistency and coordination with other programs, plans, and policies.

3. EIS Process

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

The KFO Management Team (MT) 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 are completed by contractors, the MT will ensure that all written materials receive appropriate internal and/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 MT 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 DEIS and FEIS/Proposed Plan 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 KFO, GSENM, 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 Microsoft WORD software; input will also 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 State Office reviewers. Input will be submitted to the Assistant Field Office Manager for consolidated transmission to the Contractor.

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 realistically be implemented. It is too early in the process to identify alternatives since no scoping or other public involvement has been done. Alternatives will be developed based on issues identified during scoping/public involvement. The No Action Alternative, required by the CEQ, will represent the existing management decisions, and will be fully analyzed in the EIS process.

H. PLAN PREPARATION SCHEDULE

Table 1 outlines a proposed plan preparation schedule for the RMP Process. The schedule gives estimated time frames for 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 Annual Work Plan.

Table 1

Kanab Field Office Plan Preparation Schedule			
Planning Phase	Actions	Dates	Responsibility
Formally Initiate Planning Effort & Initiate Preliminary Scoping	Establish Core Team	10/1/04 -12/30/05	CTM
	Begin Contracting Efforts (see additional items below)	6/1/04	FM
	Publish NOI in Federal Register	4/2/04	FO/SO
	Initiate IPAs county, FWS, FS	12/1/04	FM/CTM
	Update Field Office Mailing Lists	12/1/04	FO/SO/CTM/PA
	Provide Preliminary Planning Bulletin	2/28/05	CTM/PA
	Provide Planning Orientation Open House	4/1/05 - 7/30/05	FO/PA/SOWPT
	Begin formal solicitations for issues and concerns	4/1/05 - 7/30/05	FO
	Formally address collaborative working groups	4/1/05 - 7/30/05	FO (ALL)
	Pursue MOUs or cooperating agency status for entities with jurisdiction expertise.	10/1/04	FM/CTM
Inventory and Data Collection	GIS database Update themes Metadata Determine data gaps as applicable	11/1/04 – 11/30/05	IDT/Contractor
	Initiate Comprehensive Plan Contract and prepare RFP and SOW.*	6/1/04	CTM/CT and IDT
	Data Collection	11/1/04 – 11/30/04	CTM/IDT/Contractor
	Collaborative data evaluation	3/1/05 – 12/30/05	FM/CTM/SO
	Initiate Mineral Surveys and Technical Reports	10/15/04 – 7/30/05	CTM/IDT/SO
	Compile all new data and develop comprehensive AMS	12/30/04 – 1/1/06	IDT/CTM/SOWPT

* A contractor representative will be involved with all significant aspects of data collection and issue identification.

Table 1 (cont.)

Planning Phase	Actions	Dates	Responsibility
Initiate Coordination Consultation on T&E, Cultural		Throughout project	SO/CTM
Issue Resolution and Alternative Development	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. Conduct appropriate reviews. Initiate Chapters 1-3 as information becomes available.	1/1/06 – 9/30/06 Ongoing	FM/CTM/IDT/Contractor
Write and Publish Draft EIS	Write Draft RMP/DEIS Review by Collaborates/Internal/WO Revise draft EIS Allow for comprehensive distribution based on up-to-date public involvement and allow minimum 90 day review.	8/1/06 – 3/30/07	Contractor/FO/SOWPT
Analyze Public Comment and Prepare and Distribute Final EIS	Work continuously with contractor on this phase to ensure relevant comments are addressed and incorporated into FEIS.	3/07 – 6/07	Contractor/FM/CTM/IDT/SOWPT
Initiate Protest Period and Governor’s Consistency Review		6/07 – 9/07	SO
Prepare and Finalize RMP/ROD		9/07	Contractor/FO/SOWPT
Prepare Implementation Plan		11/07 – 1/08	CTM/Contractor

This schedule is budget dependent.

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 not provide targets for funding requests, but help define the scope of expenditures relative to each of the out-years.

**APPENDIX A
GEOSPATIAL DATA DEVELOPMENT
AND DATA THEMES**

Geospatial Database Development Assumptions:

The development of the geospatial database for this planning effort will be accomplished within the context of existing BLM data management strategies currently under development. Database development will incorporate goals, objectives, mandatory policies, and procedures identified in 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 and 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. 20001-038 (11/30/2000) – Development/Approval of Preparation Plans for New Planning Starts.
- BLM IM No. 2001-029 (11/13/2000) – Interim Data Management 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 Management Plan.

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 to 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 GIS Implementation Plan serves as the guiding document to manage and maintain an interim corporate GIS for Utah BLM. There is no website operational at this time.

This pre-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 KFO. 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 KFO 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 KFO 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

The exact roles and responsibilities for internal GIS data management and coordination have yet to be determined for this planning effort. However, in general, the responsibilities will be as follows: the GIS lead (in the Cedar City Support Center) will review all contracts and lead the data development efforts. A KFO data steward will be identified for each data set to be developed. This KFO data steward will ultimately be responsible for the content and accuracy of the data. The KFO data steward will coordinate with the identified USO data steward.

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 led 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.

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 led and coordinated by the USO. The KO 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 FY 2001
USO GIS staff
USO IRM staff
Data Maintenance/Update Process
USO GIS staff

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TABLE 2

Pre-Plan Data Status for the Kanab Field Office

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/ Climate	Air Quality Data Precipitation	No Yes	Obtain from EPA? Obtain from Utah State University (have some data from GSENM plan)	\$1000	Unknown Yes	Unknown Utah State University	Unknown Unknown	Unknown Unknown
2. Cultural Resources	Cultural Sites and Surveys Archaeology Sensitivity Areas	Partially No	Class I Overview Identify/digitize data.	6 wms 1wm	Unknown No	Utah SHPO Cultural Data Standard Utah BLM to develop	Regional Regional	NA Utah BLM
3. Paleontological Resources	Paleontology Potential (Fossil Yield Potential Classification) Paleontology Sites	Partially No	Use geology data-attribute potential of the various formations – need complete geological mapping of the planning area (may have a template with GSENM data). Collate and digitize data data (obtain from USGS).	½ wm 4 wms	No No	Review BLM GSENM data standard Utah BLM/Wyoming BLM	Regional Regional	BLM Paleontologist USFS/University of Wyoming-Utah Utah BLM/Wyoming BLM
4. Fire Management	Fire Management Zones Fire Suppression Areas Wildlife History	Yes Yes Yes	Data is available-review and validate Data is available-review and validate (Data complete A,B,C,D polygons completed with the 2000 updated FMP) Data is currently available (Points '80-'01 Polygons 93-03)	¼ wm ¼ wm	Yes Yes Yes	Utah BLM Utah BLM DOI 1202 - BLM	Regional Regional National	Utah BLM Utah BLM DOI 1202 - BLM
5. Woodland Harvest and Management	Woodland Collection Areas	Yes	Review/update existing FO data Review/use USFS statewide woodland inventory data	¼ wm	Partially	Review BLM GSENM data standard	Regional	Review/adapt BLM GSENM data standard
6. Hazardous Material and Wastes	Abandoned Mine Land Inventory Mining Districts	Partially Yes	Some inventory data is available. Use MILS and CRIB data for other areas. Review data. May require vertical integration with PLSS		No No	BLM AML & State Abandoned Mine Reclamation Program Forms. Regional	National/regional Regional	BLM AML & State Abandoned Mine Reclamation Program Forms 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. Lands and Realty	Easements	No	Review case records and digitize for KFO.	¼ wm	No	Utah BLM to develop/adopt	Regional	Utah BLM
	Rights-of-Way (point, line, polygon)	Yes	Review/update existing RMP data. Scan MTPs.	½ wm	No	Utah BLM to develop/adopt	Regional	Utah BLM/State of Utah SITLA
	Rights-of-Way Corridors (pipelines, etc.)	Yes	Review/update existing RMP data.	½ wm	No	Utah BLM to develop/adopt	Regional	Utah BLM/State of Utah SITLA
	Land Tenure Adjustments – Disposal/Acquisition	Yes	Review/update existing RMP data. Vertically integrate with land status dataset.	½ wm	No	Utah BLM to develop adopt	Regional	Utah BLM/State of Utah SITLA
	Public Water Reserves	Yes	Review/update existing RMP data. Vertically integrate with land status dataset.	½ wm	No	Utah BLM/State of Utah SITLA	Regional	Utah BLM/State of Utah SITLA
	Withdrawals	Partially	Review/update existing RMP data. Vertically integrate with land status dataset.	½ wm	No	Utah BLM to develop/adopt	Regional	Utah BLM/State of Utah SITLA
	Land Status	Yes	1:100,000 data available. Vertically integrate 1:24,000 with GCDB based PLSS dataset.	1 wm	No	Utah BLM/State of Utah SITLA	Regional	Utah BLM/State of Utah SITLA
	Transportation (For details see #19.	Partially	Integrate County GPS data. DLG data available	N/A				
	RS 2477 Assertions	Yes – have RMP data	Acquire from Counties.	¼ wm	Yes	State of Utah AGRC/Utah BLM	Regional	Utah Canyon Country Partnership Transportation Share Codes
	Municipal Watersheds	No	Acquire	½ wm	No	Utah BLM to develop/adopt	Regional	Utah BLM
Municipal Boundaries	Yes	Revise and update based on County records.	1 wm	No	State of Utah AGRC/Utah BLM	Regional	State of Utah AGRC/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?
8. Rangeland Management	Grazing Allotments	Yes	Revise and update existing data, revise to meet BLM Utah data standard.		Partially	BLM Rangeland Information System & GABBS	National Core Standard & BLM Utah Regional Standard	BLM Rangeland Information System data Standard
	Range Improvements (point, line, polygon)	Yes	Review/update existing RMP data. Vertically integrate with base datasets-plss, transportation, etc.	2 wms	No	BLM Rangeland Information System & RIPS	National Core Standard & BLM Utah Regional Standard	BLM Rangeland Information System Data Standard
	Vegetation (see # 12 for detail)	Partially	Integrate range sites.					
9. Minerals Management	Subsurface Mineral Reservations/Status	No	Review MTPs/digitize and attribute data.	1 wm	No	Utah BLM/State of Utah SITLA	Regional	Utah BLM/State of Utah SITLA
	Locatable Mineral Occurrence Potential	Yes	Review/update existing LUP data.	½ wm	No	Utah BLM to develop/adopt	Regional	Utah BLM
	Mining Claim Density	Yes	Generate using Premier software.	¼ wm	Partially	Utah BLM to develop/adopt	Regional	Utah BLM
	CRIB Data	Yes	Data is available.	¼ wm	Partially	Utah BLM/UDOGM	Regional	Utah BLM/UDOGM
	MILS Data	Yes	Data is available.	¼ wm	Partially	Utah BLM/UDOGM	Regional	Utah BLM/UDOGM
	Mineral Material Occurrence Potential	No	Review/update existing LUP data.	1 wm	No	Utah BLM to develop/adopt	Regional	Utah BLM
	Mineral Material Sites (Community pits, Free Use Permits, Sales)	Yes	Review/update existig LUP data.	½ wm	No	Utah BLM to develop/adopt	Regional	Review/adapt BLM GSENM data standard
	Oil and Gas Potential	Yes	Review/update existing LUP data.	½ wm	No	Utah BLM to develop/adopt	Regional	Review/adapt BLM GSENM data standard
	Oil and Gas Leases	??	Regenerate using Premier data.	¼ wm	No	Utah BLM	Regional	Utah BLM
	Oil and Gas Categories	Yes	Review/update existing LUP data.	1 wm	No	Utah BLM	Regional	Utah BLM
	Coal Leasing	Yes	Review/update existing LUP data.	1 wm	No	Utah BLM	Regional	Utah BLM
	Coal Categories	Partially	Review/update Grand RMP data.	1 wm	No	Utah BLM	Regional	Utah BLM
	SITLA Leases	Yes	Acquire from SITLA and integrate into planning database.	¼ wm	No	Utah BLM/State of Utah SITLA	Regional	State of Utah (SITLA)

1 Planning Questions	2 Needed Data Set (s)	3 Is Needed Data Set Available? Yes/No/Parti ally	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. Minerals Management (con't)	Special tar sand areas SITLA Leases Geology Data	No Yes Partially	Manuscript and digitize, verify Acquire from SITLA and integrate into planning database. Acquire from UGS. Develop 100K data if available otherwise use 500 K data.	¼ wm ½ wm	No No No	Utah BLM to develop/adopt Utah BLM/State of Utah SITLA Utah Geologic Survey	Regional Regional Regional	Utah BLM State of Utah SITLA Utah Geologic Survey
10. Off-Highway Vehicle Use	ORV Designations Transportation (see # 6 for details) ORV Inventory-impact areas	Yes Yes No	Review/update existing LUP data. Manuscript, digitize, and verify.	¼ wm ½ wm	No No No	Utah BLM Utah BLM	Regional Regional	Utah BLM Review/adopt BLM GSENM data standard.
10. Recreation	Recreation Sites – Developed Recreation Trails National Historic/Scenic Trails ROS Classes SRMA/ERMA Recreation Use Pattern Areas	Yes Yes Yes Partially Yes No	Review/update existing LUP data. Manuscript, digitize, and verify. Integrate into transportation dataset. Manuscript, digitize, and verify. Integrate into transportation dataset. Manuscript, digitize, and verify. Manuscript, digitize, and verify. Field inventory with GPS? Manuscript, digitize, and verify.	½ wm 1 wm ¼ wm 1 wm 1 wm 1 year	No No No No No No	Utah BLM Utah BLM Utah BLM Utah BLM Utah BLM Utah BLM	Regional Regional Regional Regional Regional Regional	Utah BLM Utah BLM Utah BLM Utah BLM Utah BLM Utah BLM
11. Riparian Resources	Riparian Areas (point, line, polygon)	Yes	Review/update existing LUP data. Integrate proper functioning condition attributes.	4 wms	No	Utah BLM/USFS	Regional	Utah BLM/USFS
12. Vegetation and Special Status Plants	Vegetation Intensive/Noxious Plant Inventory Data Special Status Species (T&E Habitat)	Yes No Yes	Complete EIS (SWA) inventory. Append and integrate into statewide dataset. Convert to national data standard (when adopted). Use GAP Model – NHP data availabl	2 yrs? 1 wm 4 wms	No No No	NAWMA Data Standard USFWS	National Regional	NAWMA Data Standard USFWS

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. Vegetation and Special Status Plants (con't)	State Special Status Species List	Yes	Acquire from State of Utah DNR; also acquire an updated Utah BLM Sensitive Species List.		Unknown	Utah BLM	Regional	Utah BLM
13. Visual Resources	Scenic Quality Inventory	Yes	Manuscript, digitize, and verify.	¼ wm	No	Utah BLM	Regional	Utah BLM
	Visual Sensitivity Inventory	Yes	Manuscript, digitize, and verify.	¼ wm	No	Utah BLM	Regional	Utah BLM
	Distance Zone Inventory	Yes	Manuscript, digitize, and verify.	¼ wm	No	Utah BLM	Regional	Utah BLM
	VRM Inventory Classes	No	Generate in GIS using above datasets.	¼ wm	No	Utah BLM	Regional	Utah BLM
14. Watersheds and Water Quality	Ground Water Aquifer Data	No	Generate/model from geology dataset or obtain from State Water Resources.	½ wm	No	Utah BLM/State of Utah Water Resources	Regional	Utah BLM
	Watershed Boundary (Level 6)	Yes	Develop dataset using contract with USGS.	1500		FGDC/USGS/NRCS (Federal Standards for Delineation of Hydrologic Unit Boundaries)	National	NA
	Threatened Water Sources (303 waters)	No	Obtain from State of Utah Division of Water Resources or EPA website.	¼ wm	Yes	EPA data standard	National	NA
	Drinking Water Sources	No	Obtain from State of Utah Division of Water Resource.	¼ wm	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.	¼ wm	Unknown	State of Utah	Regional	State of Utah Division of Water Resources
	National Hydrology Dataset	Yes	Conflate attributes from 1:100k data as part of AGRC/USGS data development partnership project.	50000	No	USGS National Hydrology Data Standard	National	NA
15. Wilderness	WSA Boundaries	Yes	Review and update as required for FO.	1 wm	Yes	BLM-Wilderness and Wilderness Study Area GIS Boundary Mapping Standards	National BLM	NA
	Wilderness Inventory (202) Boundaries	Yes	Review and update as required for FO.	1 wm	Yes		National BLM	NA

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. Wild and Scenic River	Wild and Scenic River Inventory Data	No	Manuscript, digitize, verify for FO. Integrate with hydrology (water courses) dataset. I	2 wms	No	Under development	Regional	Review/adapt BLM GSENM data standard.
17. Special Management Areas	ACECs (includes Outstanding Natural Areas, Research Natural Areas	Yes	Review/update existing LUP data.	½ wm	No	Utah BLM	Under development	Review/adapt BLM GSENM data standard
18. Wildlife Habitat and Special Status Species Management	Antelope Habitat	Yes	Obtain from State of Utah DWR, review and update as required for FO. Update existing LUP data.	½ wm	Unknown	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR.
	Elk Habitat	Yes	Coordinate with State of Utah DWR, review and update as required for FO. Update existing LUP data.	½ wm	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR.
	Desert Bighorn Sheep Habitat	Yes	Coordinate with State of Utah DWR, review and update as required for FO. Update existing LUP data.	½ wm	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR.
	Mule Deer Habitat	Yes	Coordinate with State of Utah DWR, review and update as required for FO. Update existing LUP data.	½ wm	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR.
	Sage Grouse Habitat	Yes	Coordinate with State of Utah DWR, review and update as required for FO. Update existing LUP data.	½ wm	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR.
	Sage Grouse Leaks	Yes	Coordinate with State of Utah DWR, review and update as required for FO. Update existing LUP data.	¼ wm	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR.
	Raptor Nests	Yes	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	Yes	Coordinate with State of Utah DWR, review and update as required for FO. Update existing LUP data.	½ wm	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR.
	Upland Game Bird Habitat	Yes	Coordinate with State of Utah DWR, review and update as required for FO. Update existing LUP data.	½ wm	No	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR.
Mexican Spotted Owl	Yes	Use model, USFWS and LUP data.		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/Parti ally	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?
18. Wildlife Habitat and Special Status Species Management	UDWR Management Units	Yes	Coordinate with State of Utah DWR, review and update as required for FO.		Unknown	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR
	Wildlife Habitat Management Plans	No	Coordinate with State of Utah DWR, review and update as required for FO.	¼ wm	Unknown	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR
	Fish Habitat	Partially	Coordinate with State of Utah DWR, review and update as required for FO.	¼ wm	Unknown	State of Utah DWR	Regional (Utah)	Will adapt/use State of Utah DWR
	Special Status Species (T&E) Mammals-Utah Prairie Dog, etc.) Habitat	Yes	Coordinate with State of Utah DWR, review and update as required for FO.		Unknown	Utah BLM/State of Utah DWR	Regional standard will be developed	Utah BLM 1994 Content Standard
	Special Status Species (T&E Birds) Habitat	Yes	Coordinate with State of Utah DWR, review and update as required for FO.		Unknown	Utah BLM/State of Utah DWR	Regional standard will be developed	Utah BLM 1994 Content Standard
	Special Status Species (T&E Fish) Habitat	Yes	Coordinate with State of Utah DWR, review and update as required for FO.		Unknown	Utah BLM/State of Utah DWR	Regional standard will be developed	Utah BLM 1994 Content Standard
	Special Status Species (T&E Invertebrate Habitat)	Yes	Coordinate with State of Utah DWR, review and update as required for FO.		Unknown	Utah BLM/State of Utah DWR	Regional standard will be developed	Utah BLM 1994 Content Standard
	Special Status Species Habitat Management Plans	No	Coordinate with State of Utah DWR, review and update as required for FO.		Unknown	Utah BLM/State of Utah DWR	Regional standard will be developed	Utah BLM 1994 Content Standard
	State Sensitive Wildlife Species Data	Yes	Obtain from State of Utah DWR		Unknown	State of Utah DWR	Regional (Utah)	State of Utah DWR
	Animal Damage Control Data	No	Integrate and attribute grazing allotment data	¼ wm	No	Utah BLM/State of Utah	Regional standard will be developed	Utah BLM
Watchable Wildlife Viewing Sites	Yes	Develop during planning process (should be embedded in rec. site data).	¼ wm	No	Utah BLM	Regional standard will be developed	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?
19. All Planning Questions/Issues	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.	½ wm	Partially	Cadastral Data Standard	National FGDC Standard	NA
	PLSS	Partially	Integrate various data sources with GCDB	½ wm	Partially	State of Utah AGRC/Utah BLM	Regional	State of Utah AGRC/Utah
	Land Status	Yes	Review/update KFO data (most was done with GSENM planning effort). Vertically integrate with GCDB based PLSS dataset. Coordinate with SITLA.	1 wm	Yes	State of Utah SITLA/AGRC/Utah BLM	Regional standard will be developed	State of Utah SITLA
	Boundaries (Jurisdictional-state, county, federal agency)	Yes	Review/update existing LUP data. Vertically integrate with GCDB based PLSS dataset. Coordinate with SITLA.		Partially	State of Utah SITLA/AGRC/Utah BLM	Regional standard will be developed	State of Utah SITLA
	Municipal Boundaries	Partially	Review with counties and update as required.	¼ wm	No	State of Utah AGRC/Utah BLM	Regional standard will be developed	State of Utah AGRC
	Transportation	Partially	Photo revise USFS fringe quads. Integrate county GPS data.		Partially	State of Utah AGRC/Utah BLM	Will meet regional standard	Canyon Country Partnership Transportation Share Codes
	Hydrology	Yes	Photo revise USFS fringe quads.		Partially	State of Utah AGRC/Utah BLM/USGS	Will meet regional standard	State of Utah AGRC/Utah BLM/USGS
	Geographic Place Names	Yes	Obtain from USGS and/or State of Utah AGRC		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.

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APPENDIX B
PRELIMINARY DEIS FORMAT AND CONTENT OUTLINE

Cover Sheet: Title; Type; Lead Agency and Cooperators; Project Lead/public contact person for comments; Abstract; EIS review and consultation requirements; Date of Issuance; Date Comments Due; Name and Title of Responsible Official.

Dear Reader Letter

Executive Summary

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- Introduction
- Historical Background
- Purpose and Need
- Public Scoping/Planning Issue Identification
- Issues and Alternatives Considered for Detailed Analysis
- Issues and Alternatives Rejected for Detailed Analysis
- Planning Criteria
- Conformance with BLM Land Use Plans
- Relationship to Ongoing Programs, Plans, and Policies

Chapter II: Alternatives

- Alternatives Considered for Detailed Analysis
- Management Common to the Action Alternatives
- No Action - Alternative 1
- Alternative 2
- Alternative 3
- Alternative 4, etc.
- Summary Table of Impacts

Chapter III: Affected Environment

This chapter contains a description of the existing physical, biological, cultural, social, and economic characteristics of the Kanab Field Office and area(s) affected by this RMP. It will show the baseline situation, condition or trends that may be affected by the various alternatives, relationships of the affected resources to the region, and incorporate by reference suitable affected environment material from the existing land use planning base.

Chapter IV: Environmental Consequences

- Analysis Assumptions
- Reasonably Foreseeable Development Scenarios
- Impact Analysis by Alternatives
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Chapter V: Coordination and Consultation

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Planning Consistency
EIS Distribution
List of Preparers

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