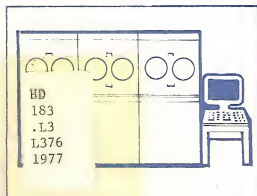
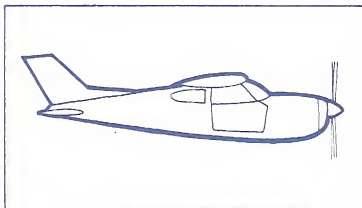


PHASE I DRD Unit Resource Analysis



**User
Requirement
Specifications**

Recreation

ISO 15926

8086574

ID 88001628

HD
183
.LS
L376
1977

USER SPECIFICATIONS
FOR A
RECREATION INVENTORY
AND
UNIT RESOURCE ANALYSIS
DATA SYSTEM

PHASE I
DETAILED REQUIREMENTS DEFINITION

OCTOBER 1977

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IN ORDER TO VISUALIZE THE GENERAL CONCEPT
OF INTERFACING WITH A LARGE SCALE AUTOMATED
SYSTEM, THE REVIEWER(S) OF THIS DOCUMENT
SHOULD BE FAMILIAR WITH THE "USER INTERFACE
INTRODUCTION" UNDER SEPARATE COVER.

The following persons contributed to the Phase I DRD effort to develop the User Requirements for a Recreation data system. Their participation is appreciated.

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RECREATION

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Introduction

The purpose of this document is to set forth a system concept as it has evolved from the DRD. It should be remembered that the outputs of Recreation information were restricted to the data displays required for a Resource Inventory and a Unit Resource Analysis, either as specified or implied. Consequently, the identified products should be reviewed in this context. However, the data necessary to produce these products has application in most aspects of the Recreation program. For example, the tables required for the Public Land Statistics can be produced from the data base although they are not specifically shown as an output. In addition, once data is available in the computer, sophisticated modeling techniques and other manipulations can be developed to clarify the management problems and improve the URA procedures. This will require an innovative look at the Recreation program to decide what techniques might be used.

It must be emphasized that systems development is evolutionary in nature. Initially, an attempt will be made to implement the best system based on the understanding developed in the DRD; however, hands-on experience with a new system will soon precipitate changes and enhancements. This is to be expected and should be planned for. Perhaps these can be identified in periodic review conferences that would help shape future evolution based on current experience.

General System Description

The data collected in the DRD was divided into six basic subsets that comprise the Recreation program. These subsets and the data groups contained therein are shown in the table below.

<u>Subset</u>	<u>Subject Area Covered</u>
Visual Resources	Scenery Quality, Visual Sensitivity, Distance Zones and Management Opportunities
Cultural Resources	Site Record and Survey Data
Natural History	(This subset has been deferred pending finalization of program policy)
Recreation Facilities	Recreation Sites, Condition of Facilities and Additional Services
Visitor Use	Part 1, Regulation of Use covers Accidents/ Incidents and Hazards. Part 2, Use Statistics covers visitor counts and use statistics.
Recreation Resource	Quality Evaluation of Geological, Botanical, Climatological, Zoological and Paleontological Features available for recreational use.

Some of this data will be provided by other program areas, e.g., climatological data from Watershed. The graphic portion of the data base is primarily composed of locations of sites and features, and use area boundaries.

General Description of the Data Sets

Since the Recreation data base has been broken into smaller logical parts, the remainder of the User Specification Package will be divided into subsets. Each will have an impact statement, an information flow diagram, and the input and output descriptions. The exact nature of integration of these subsets will be affected by the computer systems architecture and will be more specifically identified in the System Design document. However, there has been an attempt to identify the sites and areas contained in the data base by a common format. That is State, District, Site Type and a sequence number have been used throughout to identify the areas.

Essentially, each data set identifies points, lines and/or areas on the land that have some significance to the Recreation program. These entities are then described with data elements that are appropriate to the particular aspect in the program of concern. There will probably be a certain amount of overlap in these areas, e.g., an area evaluated for the quality of hunting in the Recreation Resource subsystem may also be a part of an area used for Scenery Quality rating in the Visual Resource Management subsystem. These will remain as separate entities to facilitate manipulation of the data.

Input/Output Descriptions

Thirty input documents have been identified as required for creation and maintenance of the Recreation data base. The frequency and volume figures are estimates of an operational system and therefore do not indicate the volume of data required to initially load the data base. In some locations this may be a considerable effort.

The data entry formats and procedures will be determined during System Design based on the architecture of the new computer and the data base system available on it. However, they will be subject to review prior to implementation.

The outputs that have been identified are not the only outputs that can be generated. They are the initial goal of the System Design phase. There will be an "English language" query capability for ad hoc reports and, as the need arises after system implementation, other outputs can be programmed.

The URA narrative will be based on the analysis of the Recreation data base. Until they are changed, the requirements of the URA manual (1605) are still the guidelines that should be followed. The automated system will provide, at a minimum, the supporting tables and overlays. However, the generation of the narrative may be aided by the text processing capability of the new computer. Program Development will be required on Recreation's Quality Evaluation Section. Values will have to be assigned to constraints (tolerance and limitation data) to properly document the flow of recommendations for opportunity (raw score) through to suitability (adjusted score). Also, the URA manual will have to reflect the Cultural Resource Management Requirements that have been identified.

Visual Resources

This data set identifies scenery quality areas and their ratings, intrusions, visual sensitivity areas, ratings for sensitivity criteria, distance zones and Rehabilitation, Enhancement and Protection (REP) opportunities. The development of this package has essentially followed the Visual Resources Management manuals (6300, 6310, 6320); therefore, the data generation procedures are essentially the same as in the manuals. The primary change will be the input of the data to the computer.

The data input procedure generally involves identifying the area and showing it on a map with an area identifier. This map will then be digitized for entry into the computer and subsequent display. The area then is described by filling out the data elements on an associated coding sheet. By using the same area identifier, these data elements will then be associated with the area shown on the map.

The management opportunities are identified on the REP overlay and associated printout. This satisfies the URA requirement. However, it should be noted that the URA manual does not specifically call for the Protection portion of the package. The REP overlay will be developed by manipulation of the various overlays that are a part of the package. The exact procedures will be developed in System Design. All management opportunities will be identified for URA-3, those that are chosen to be a part of the URA-4 Management Opportunities will be flagged for output in the URA-4 Management Opportunity Overlay.

VISUAL RESOURCES

Inputs

Scenery Quality and Intrusions Overlay _____ 0101
 Scenery Quality Area Attributes _____ 0102
 Visual Sensitivity Area Overlay _____ 0103
 Sensitivity Rating Form _____ 0104
 Distance Zone Overlay _____ 0105
 Distance Zone Attributes _____ 0106
 Rehabilitation, Enhancement and
 Protection Overlay _____ 0107
 Rehabilitation, Enhancement and
 Protection Descriptions _____ 0108

V
I
S
U
A
L
R
E
S
O
U
R
C
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S

Outputs

0151 — Scenery Quality Overlay
 0152 — Visual Sensitivity Overlay
 0153 — Distance Zone Overlay
 0154 — Rehabilitation, Enhancement and Protection
 Opportunities Overlay
 0155 — Visual Area Descriptions
 (Applies to all overlays except
 Distance Zone Overlay)

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0151

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Scenery Quality Overlay

OUTPUT FORM: Graphic

OUTPUT DESCRIPTION: A display of areas with a given scenery quality as determined by an interdisciplinary team.

USER(s): Recreation Planner LOCATION(s): District Level
Resource Area

USAGE: Input into URA 3 (along with intrusions overlay become URA 3)
EIS Preparation

ACCESS LIMITATIONS:
None

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 1 week

FREQUENCY OF PRODUCTION: Data changes when planning system changes.
User would probably refer to this 1/month.

DEPENDENCIES:
EIS - Planning Cycle

REQUEST PARAMETERS: Some call-up by state. Will need adjacent PLU and/or
district. Scenic quality class. Geographic areas.

I/O #0151

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Scenery Quality Overlay

SORT ORDER: N/A

ESTIMATED VOLUME: 1 per area of interest

COMPUTATIONS/PROCESSES: None

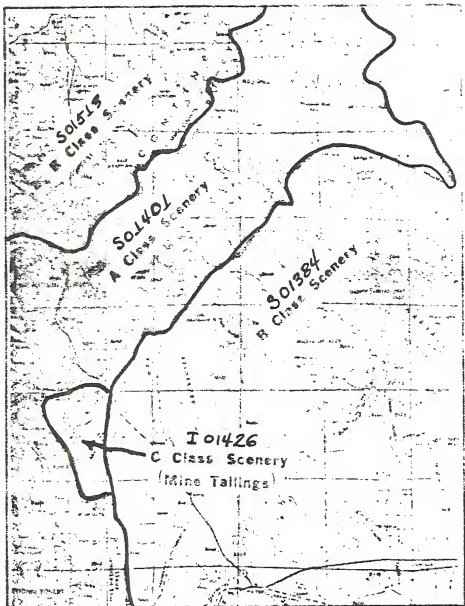
ACCURACY:

SCALE: Must overlay the Base Map.

ANNOTATIONS: Standard Scenery Class Codes as determined by Recreation Manual

LEGEND: Meaning of symbols or annotations upon request

REMARKS: Intrusions may or may not be combined with Scenery Quality
Overlays. Narrative description required for each area will be found in the
Visual Area Descriptions.



Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0152

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Visual Sensitivity Overlay

OUTPUT FORM: Graphic

OUTPUT DESCRIPTION: A display of the visual areas rated on their relative importance in the area.

USER(s): Recreation Planner LOCATION(s): District
Resource Area

USAGE: URA 3 Preparation. EIS Preparation

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 1 week

FREQUENCY OF PRODUCTION: Per planning unit or other planning area:
Twice per year. Need to reference 1 per month.

DEPENDENCIES:
EIS - Planning Cycle

REQUEST PARAMETERS: Planning unit or other planning area.

OUTPUT DESCRIPTION
Page 2 of 2

I/O #0152

OUTPUT TITLE: Visual Sensitivity Overlay

SORT ORDER: N/A

ESTIMATED VOLUME: 1 per area

COMPUTATIONS/PROCESSES: On demand, display the rankings of criteria used to determine area rating.

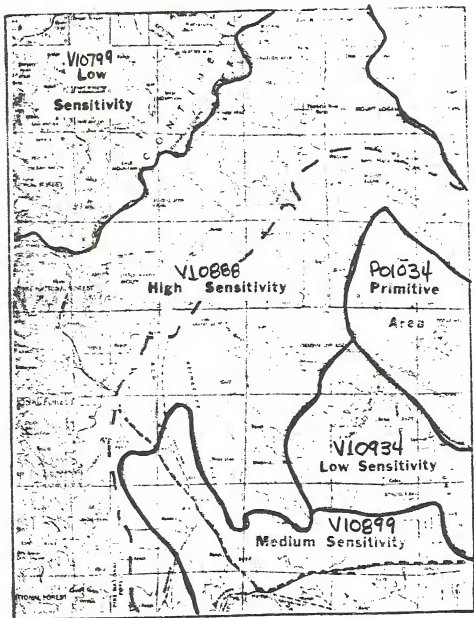
ACCURACY:

SCALE: Must overlay area Base Map

ANNOTATIONS: Standard Visual Sensitivity Ratings Codes as determined by Recreation Staff

LEGEND: Meaning of rating codes upon request

REMARKS:



Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0153

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Distance Zone Overlay (Formerly Visual Zone Overlay)

OUTPUT FORM: Graphic

OUTPUT DESCRIPTION: A display of the distance zones relative to the common viewing points

USER(s): URA 3 and EIS Preparation LOCATION(s): District

USAGE: URA 3 and EIS Preparation

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 1 week

FREQUENCY OF PRODUCTION: Per planning unit or other planning area: Once per year
Need to reference 1 per month.

DEPENDENCIES: EIS - Planning Cycle

REQUEST PARAMETERS: Planning Unit or other planning area parameters

I/O #0153

OUTPUT DESCRIPTION

Page 2 of 2

OUTPUT TITLE: Distance Zone Overlay (Formerly Visual Zone Overlay)

SORT ORDER: N/A

ESTIMATED VOLUME: 1 per planning area

COMPUTATIONS/PROCESSES: None

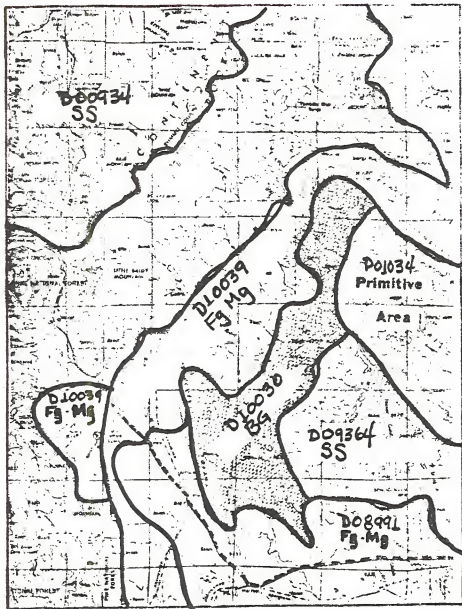
ACCURACY:

SCALE: Must overlay planning area Base Map

ANNOTATIONS: Standard Distance Zone Codes as determined by the Recreation Staff.

LEGEND: Meaning of Distance Zone Codes upon request.

REMARKS:



Prog. Area: _____
Prep. By: _____
Date: _____

OUTPUT DESCRIPTION
Page 1 of 2

I/O #0154

OUTPUT TITLE: Rehabilitation, Enhancement and Protection (REP)
Opportunity Overlay

OUTPUT FORM:
Graphic

OUTPUT DESCRIPTION: A display of the locations or areas that are opportunities
for improvement actions.

USER(s): Recreation Planner
Landscape Architect

LOCATION(s): Generally, District Level

USAGE: Present to decision maker all the REP's available for consideration in MFP.

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 1 week

Deadline for final display is known well in advance. But staff may want
to display data on a near real time basis, i.e., overnight.

FREQUENCY OF PRODUCTION:
Per planning area: 1 per year Reference to overlay approximately
1 per month.

DEPENDENCIES: When URA is required.

REQUEST PARAMETERS: Full overlay by PLU, PA, RA of Dist; by type of REP,
i.e., Rehabilitation, Enhancement or Protection.

OUTPUT DESCRIPTION
Page 2 of 2

I/O #0154

OUTPUT TITLE: Rehabilitation Enhancement and Protection (REP)
Opportunity Overlay

SORT ORDER: N/A

ESTIMATED VOLUME: 1 overlay with 1 to 1000 polygons/points

COMPUTATIONS/PROCESSES:

Count of R, E&P opportunities, Acres of
R,E&P for legend

ACCURACY:

SCALE: Must overlay planning area Base Map

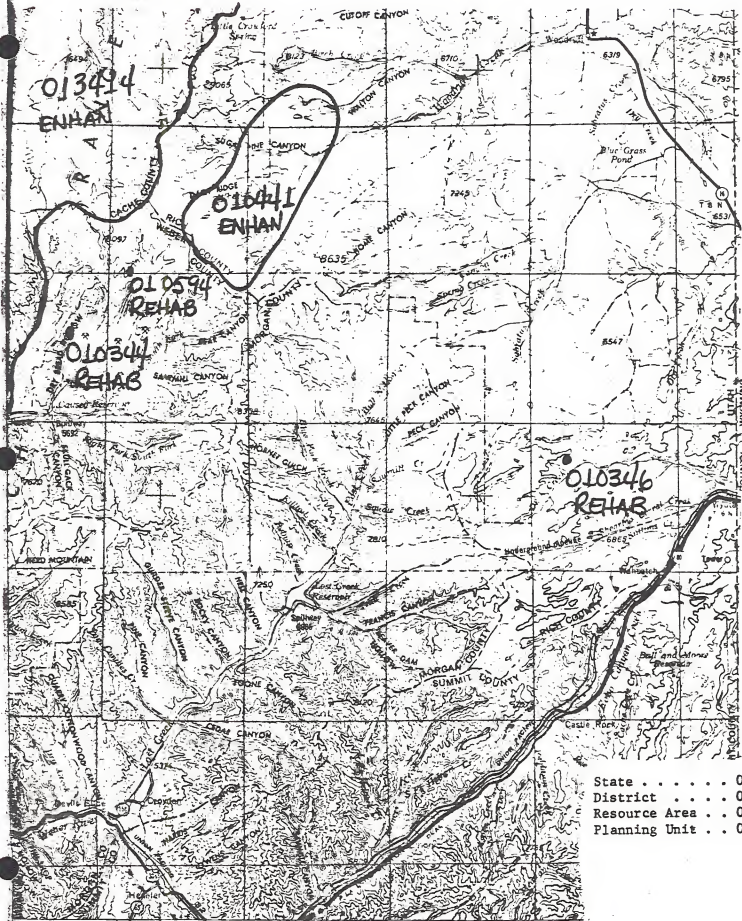
ANNOTATIONS: Rep Id. (will be associated with printout.)

LEGEND:

Count Acres for Rehabilitations, Enhancements, and Protection.

REMARKS:

REP narrative will be associated with this
on a separate printout



State 05
 District 03
 Resource Area 02
 Planning Unit 01

Prog. Area: _____
Prep. By: _____
Date: _____

OUTPUT DESCRIPTION
Page 1 of 2

I/O #0155

OUTPUT TITLE: Visual Area Descriptions

OUTPUT FORM: Table

OUTPUT DESCRIPTION: The description of the attributes of the types of areas identified in Visual Resource Mgmt System.

USER(s): Recreation Planner LOCATION(s): Resource Area District

USAGE: URA-3 & 4

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 1 week

FREQUENCY OF PRODUCTION: Per planning area: 1-2 times per year
Reference the table 1 per month

DEPENDENCIES: Planning cycle or REP overlay update

REQUEST PARAMETERS: Planning area, i.e., Planning Unit, Resource Area District
URA-Use Indicator

I/O #0155

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Visual Area Descriptions

SORT ORDER: REP Opportunity Identifier

ESTIMATED VOLUME: 1 to 10 pages per planning area

COMPUTATIONS/PROCESSES:
None

ACCURACY: N/A

SCALE: N/A

ANNOTATIONS:
N/A

LEGEND:
N/A

REMARKS:

State 0100 0004
 District 0100 0543
 Resource Area 0100 0418
 Planning Unit 0100 1075

I/O #0155

VISUAL AREA DESCRIPTIONS

Date _____

Sensitivity Quality		Area Rating		Area Remarks					
Area ID		0101	1850	0101	2027				
0101 1957									
Intrusion ID		Intrusion Name/Type		Area Remarks					
0101 1849		0101 1848		0101 2032					
Special Area ID		Special Area Name/Type							
0101 1849		0101 1861							
Sensitivity Area ID	Cars Trails	Trails	Use, Assoc. Features	Community Relat.	Land Use	Agency Use	Other Factor	Area Rating	Area Remarks
0101 2034	0101 1854	0101 1855	0101 1856	0101 1857	0101 1856	0101 1857	0101 2037	0101 1853	0101 2042

Prog. Area: _____
Prep. By: _____
Date: _____

X/O #0101

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Scenery Quality and Intrusions Input Process

FORM: Annotated Map

DESCRIPTION: Input of scenery quality areas and intrusions as determined by an interdisciplinary team.

PREPARATION RESPONSIBILITY: Resource Area or District Office Recreation Planner or Landscape Architect

FORMAT: See attached sample

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Input scenic quality areas and intrusions for each PLU Dist or Resource Area or larger. Updated only when there is a significant change in resource or criteria changes. Estimated 1 update per year.

VOLUME OF UPDATE: 1 to 100 areas per PLU (toward top end of range)
Intrusions are primarily point oriented. 1 to 200 per PLU
Estimate 1 to 10 new areas or changes per update.

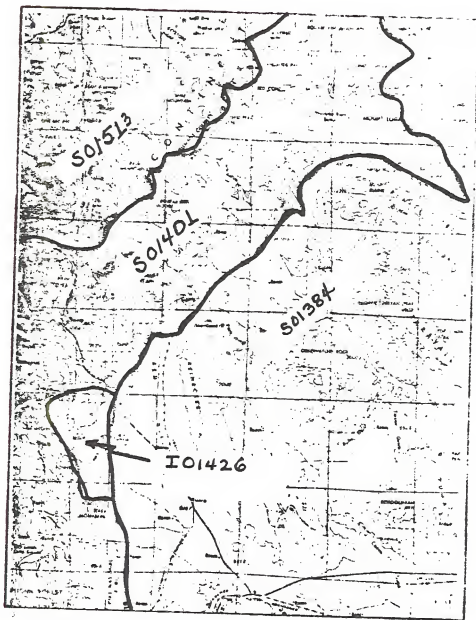
ARCHIVING REQUIREMENTS: None

ACCESS LIMITATIONS: Update under the direction of the Recreation Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: None

REMARKS: Take map the district is using delineate area of common scenic class. Annotate area with appropriate class. Scores for the key factors used to determine scenery quality will not be retained in the data base.

I/O #0101



State 05
District 02
Resource 01
Planning Unit 03

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0102

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Scenery Quality Attribute Data

FORM: Coding Sheet

DESCRIPTION: Input of the Scenery Quality Rating, Intrusion Name and Area description or rating justification

PREPARATION RESPONSIBILITY: Recreation Planner or Landscape Architect

FORMAT:

To be determined but will contain elements on attached sheet

DATA ENTRY PROCEDURE:

to be determined

FREQUENCY OF UPDATE: As the Scenery Quality Overlay is updated this input will be needed. Estimate 1 update per year.

VOLUME OF UPDATE: Estimate 1 to 10 new areas or changes per update.

ARCHIVING REQUIREMENTS: None

ACCESS LIMITATIONS: Update by Recreation Staff Only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: No

REMARKS:

This will be used to input digital data to be associated with the Scenery Quality Overlay.

I/O #0102

Scenery Quality Attribute Data

State, Admin	0100 0004
District	0100 0534
Resource Area	0100 0418
Planning Unit	0100 1075

Identification Number, Scenery Quality Area	0101 1957
Class, Scenery Quality	0101 1850
Number, Visual Intrusion	0101 1849
Intrusion, Visual	0101 1848
Remarks, Scenery Quality	0101 2027
Remarks, Intrusion	0101 2032

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0103

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Visual Sensitivity Input Process

FORM: Annotated Map

DESCRIPTION: Input of the areas that have a common sensitivity composite based on the relative importance in the rating area.

PREPARATION RESPONSIBILITY: Recreation Planner or Landscape Architect in Resource Area or District Office.

FORMAT: See attached sample

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Changes when a change in quantity or type of use. Estimate 1 update per year.

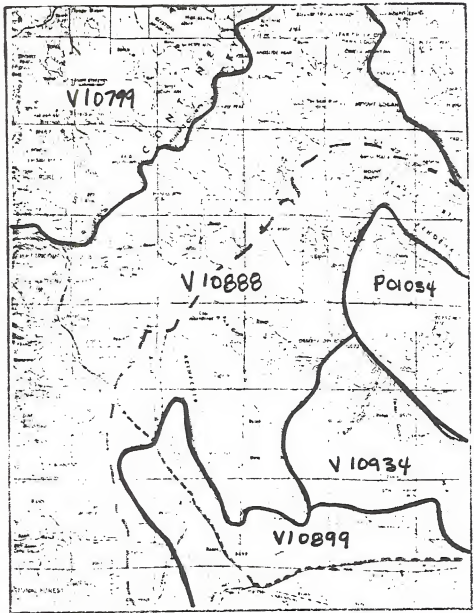
VOLUME OF UPDATE: 1 to 150 areas per PLU. Estimate 1 to 5 changes or new areas per update.

ARCHIVING REQUIREMENTS: None

ACCESS LIMITATIONS: Update under the direction of the Recreation Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: None

REMARKS: Delineate areas by user type and quantity of use. Sensitivity rating form then is used to rate the area using previously determined criteria. After the area is rated it is identified on the map.



State 05
District 02
Resource Area 01
Planning Unit 03

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0104

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Sensitivity Rating Form

FORM: Coding Sheet in the form of a Rating Workup Sheet

DESCRIPTION: A modified version of the Sensitivity Rating to input the area identifier, ratings for the various criteria and remarks.

PREPARATION RESPONSIBILITY: Recreation Planner or Landscape Architect in Resource Area or District Office

FORMAT: Modified as shown on the attached sample. The description/justification will also be entered on the form under remarks.

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: As the Planning Unit, etc, changes requiring new ratings. Estimated 1 update per year.

VOLUME OF UPDATE: 1 to 10 changes per update

ARCHIVING REQUIREMENTS: None

ACCESS LIMITATIONS: Update under the direction of the Recreation Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: None

REMARKS: The ranking for each criteria will be maintained in computer, as well as the overall area rating. If Other Factors rating is used, it must be explained in the remarks.

I/O #0104

ST: _____ DISTRICT: _____ RESOURCE AREA: _____ FLU: _____
 0100 0004 0100 0543 0100 0418 0100 1075
 SENSITIVITY AREA ID: V _____ 0101 2034

CRITERIA AND WEIGHT	HIGH	SENSITIVITY LEVEL MEDIUM	LOW	
(1) Use volume (total use, no distinction between types) cars and trains	Segments of travel routes, use sites or population centers which receive 200,000 or more visits/yr. or more than 200 vehicles/day (ADT year round), or comparable degree of use on a seasonal basis.	Segments of travel routes, use sites or population centers which receive 20,000 to 200,000 visits/yr or 20 to 200 vehicles per day (ADT year round), or a comparable degree of use on a seasonal basis.	Travel route segments with less than 20,000 visits/yr or less than 20 vehicles/day (ADT year round).	0101 1854
(2) Use volume - trails, rivers, water bodies, roads	20,000 or more visits/yr.	2000 - 20,000 visits/yr.	less than 2000 visits/yr.	0101 1855
(3) Use association - primitive areas, observation sites, recreation areas, etc.	Major	Secondary	Minor	0101 1856
(4) Community relationships and attitudes.	Protection of the visual resource is important.		Protection of the visual resource is not important.	0101 1857
(5) Land use in relationship to non-BIV land use. (existing & proposed)	Critical		Not important	0101 1858
(6) Other agency use and planning attitudes	Major national or regional in scope	Secondary sub-region or state	Minor local	0101 1859
(7) Other (Specify)				0101 2037 0101 1853
TOTAL			Area Rating	

INSTRUCTION: Check the column that most nearly applies, then add the weight to the column checked. The column with the highest weighted scores indicates the sensitivity level that should be used.

Remarks: 0101 2042

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0105

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Distance Zone Input Process

FORM: Annotated Map

DESCRIPTION: Input of the Distance Zones indicating the relative visibility of areas.

PREPARATION RESPONSIBILITY: Recreation Planner or Landscape Architect in Resource Area or District Office.

FORMAT: See attached sample

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Input each distance zone area for PLU, RA and Dist. Update Only when there is a significant change in quantity or type of use. Must change when visual sensitivity changes. Estimate 1 update per year.

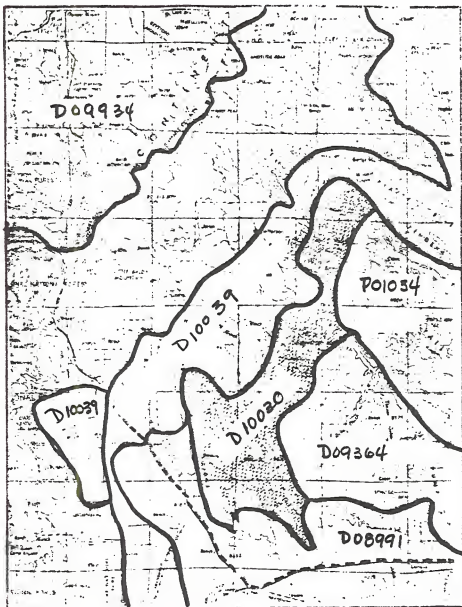
VOLUME OF UPDATE: Theoretically up to twice the amount of Visual Sensitivity areas Up to 1 to 300 per planning unit. Estimate 2 to 20 changes per update.

ARCHIVING REQUIREMENTS: None

ACCESS LIMITATIONS: Update under the direction of the Recreation Staff only.

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: None

REMARKS: Finer delineation of Visual Sensitivity based on the relative visibility of the area by the user.



State 05
District 03
Resource Area 02
Planning Unit 01

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0106

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Distance Zone Attribute Data

FORM: Coding Sheet

DESCRIPTION: To update the type of distance zone to be associated with the graphic areas input by the Distance Zone Overlay.

PREPARATION RESPONSIBILITY: Recreation Planner or Landscape Architect in Resource Area or District Office.

FORMAT: To be developed but will contain the data elements on the attached sheet.

DATA ENTRY PROCEDURE: To be developed

FREQUENCY OF UPDATE: Per planning area, estimate 1 update per year

VOLUME OF UPDATE: Per planning area, estimate 2 to 20 changes per update.

ARCHIVING REQUIREMENTS: None

ACCESS LIMITATIONS: Update by the Recreation Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: None

REMARKS:
This form will be used to input the attribute data, i.e., Distance Zone Rating for the Distance Zone Overlay.

Distance Zone Attribute Data

State Admin	0100 0004
District	0100 0534
Resource Area	0100 0418
Planning Unit	0100 1075

Identification Number, Distance Zone	0101 1948
Zone, Distance	0101 1862

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

I/O #0107

TITLE/DESIGNATION: REP Opportunity Overlay,

FORM: Annotated Map

DESCRIPTION: A display of REP opportunities developed from an analysis of the various overlays generated for VRM.

PREPARATION RESPONSIBILITY: Recreation Planner or Landscape Architect in Resource Area or District Office

FORMAT: See attached sample

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Updated each time a new opportunity is identified. (1 to 100 per PLU per year). Estimate 1-2 updates per year.

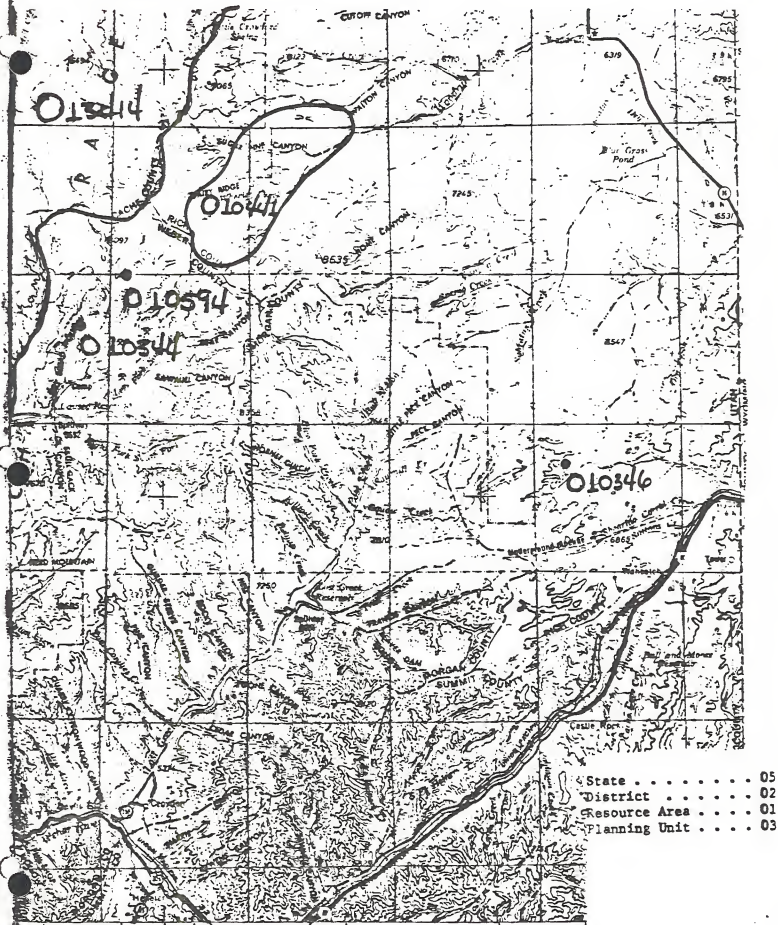
VOLUME OF UPDATE: There are 1 to 1000 REP's per PLU.

ARCHIVING REQUIREMENTS: There maybe archiving implications if the status of REP projects is maintained in activity programs.

ACCESS LIMITATIONS: Update by the Recreation Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: None

REMARKS: Rehabilitation specifically related to intrusions; Enhancements and protection are not. Identify those that have been considered in URA 4 and those that haven't. i.e. flag REP's when considered. This is the result of manipulation of the Scenic Quality, Visual Sensitivity at Distance Zone Overlays. As each opportunity is identified, a narrative description of what is to be done will be completed and input on the associated REP Description Form.



Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0108

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Rehabilitation, Enhancement and Protection (REP),
Opportunity Discriptions

FORM: Coding Sheet

DESCRIPTION: To describe the nature of the REP project indicating what need be
done and how much it would cost. Indicate if it is a part of the URA 4
recommendation.

PREPARATION RESPONSIBILITY: Recreation Planner or Landscape Architect in Resource
Area or District Office

FORMAT: To be developed but will contain the data elements on the attached list.

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Estimate 1 per year per planning area

VOLUME OF UPDATE: 1 to 5 changes or additions per planning area

ARCHIVING REQUIREMENTS: None

ACCESS LIMITATIONS: Update by Recreation Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS:

REMARKS:

As REP opportunities are established they must be described.
This data will be retained in the system.

I/O #0108

REP OPPORTUNITY DESCRIPTIONS

State, Admin	0100 0004
District	0100 0534
Resource Area	0100 0418
Planning Unit	0100 1075
Identification Number, Improvement Opportunity	0101 1954
Opportunities, Scenery Quality	0101 1851
Recommendation, URA 4	0101 1984
Description, Improvement Opportunity	0101 1951

Recreation Facilities

This data set identifies all items of information concerning developed recreation sites, i.e., a capacity of the site, number and types of units, season of use, special restrictions, etc., as well as the condition of facilities and support services available though not necessarily associated with the site.

This information will be collected by the recreation planner on the district through a site by site inspection. The condition of facilities can also be recorded by maintenance personnel while performing their regular duties. Information should be updated on an annual basis to include any changes that have taken place.

The purpose of this package is to provide management with the information needed for programming and budgeting maintenance by developed recreation sites and long range planning for the development of new sites or the elimination or modification of existing sites. Also, information will be available to prepare reports that are required by the BLM and the Bureau of Outdoor Recreation.

INPUTS

FACILITIES

OUTPUTS

SITE DIRECTORY RECORD _____ 0401
 FACILITY CONDITION RECORD _____ 0402
 SUPPORT SERVICES AVAILABLE _____ 0403

F
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 C
 I
 L
 I
 T
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 E
 S

0451 SITE DIRECTORY
 0452 CONDITION REPORT
 0453 ACTIVITY SERVICE TABLE
 0454 RECREATION SITE OVERLAY

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0451

OUTPUT DESCRIPTION

Page 1 of 2

OUTPUT TITLE: Site Directory

OUTPUT FORM: Table

OUTPUT DESCRIPTION: Table describing the sites and associated facilities located in a given area. Provides the most accurate information source to publishers of recreation directories.

USER(s): Resource Area, District LOCATION(s): SO; DO.
Office, State Office.

USAGE: URA 2, MFP Decisions, Publications preparation, Reports to BOR and other agencies (State and private).

ACCESS LIMITATIONS: None.

RESPONSE TIMES: DESIRED: Overnight. REQUIRED: 1 week.

FREQUENCY OF PRODUCTION: The document would be produced in hard copy once a year. The staff in the District Office would refer to it once a day during use season and considerably less during off season.

DEPENDENCIES: New sites developed and added to record. Telephone and written requests.

REQUEST PARAMETERS: District, Planning Area, other Areal parameters.

I/O #0451

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Site Directory

SORT ORDER: Location

ESTIMATED VOLUME: Approximately 20 sites per District Office.

COMPUTATIONS/PROCESSES: None

ACCURACY: N/A

SCALE: N/A

ANNOTATIONS: N/A

LEGEND: N/A

REMARKS: A 30-second response time could be satisfied by hard copy file on microfilm record at reception desk.

1/0 #0451

SITE RECORD
BLM & NON-BLM DIRECTORY

0100-0690
STATE

0100-0943
DISTRICT

0100-0418
RESOURCEAREA

0100-2306
DATE

BASIC INFORMATION										LOCATIVE INFORMAT		
Site Name	Site No.	Site Type	Site Kind	Capacity (POAT)	Design Capacity	Occupancy Rate	Development Scale	Elevation	Site Size	Reference Point Near Post Office		
										Name	Distanc	Dir
0105-1919	0104-1883	0104 1894	0104 1902	0104-1867	0104-1877	0104-1869	0104-1903	0100-0431	0100 6250	0100 0935	0104 1886	0104 1887

Travel Route				SITE SUMMARY (BLM ONLY)													
Kind	Number	Dist.	Dir.	Number of Developed Units for:						Facilities Avail. On-site						Normal Use Se	
				Camping		Multi Fam	Picnicing		Elect	Toilets	Stoves	Firewood	Table	From	To		
Single Family	Tent	Trailer	Combl	Sing Fam.	Multi Fam		Grills	Firewood								Table	From
0104 1895	0104 1896	0104 1886	0104 1887	0104 1875	0104 1874	0104 1886	0104 1865	0104 1864	0104 1876	0104 1981	Codes in DE § 0104-1879			0132 0997	0132 0998		

Special Restrictions

Length of Stay	Reservations	Fires	Travel Trailers	Fees
0104-1880	0104-1882	0104-1890	0104-1899	0104-1878

BE-43

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0452

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Condition Report

OUTPUT FORM: Table

OUTPUT DESCRIPTION: Statement of the condition of the facilities at the sites in a given area. To be used for planning and budgeting

USER(s): Tech. Services, Planning/ LOCATION(s): MO, State Office
Budget, Recreation Planner, District
Office for Maintenance Crew

USAGE: Budgeting - Annually
Work Plan - Annually

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: 3 days REQUIRED: 1 week

FREQUENCY OF PRODUCTION: Per planning unit, 1/quarter; 2/year for State Office

DEPENDENCIES: AWP, Advices

REQUEST PARAMETERS: By district, State office code

OUTPUT TITLE: Condition Report

SORT ORDER: Location - District, Planning Unit, Lat/Long

ESTIMATED VOLUME: 20 records per District, 80 to 100 per State

COMPUTATIONS/PROCESSES: Total cost summarized for each condition category.
Total costs for each site of record.

ACCURACY: N/A

SCALE: N/A

ANNOTATIONS: N/A

LEGEND: N/A

REMARKS: A running inventory of condition should be made during use season so that management could review at end of use season to submit consolidated report to Engineering for budget purposes.

I/O #0452

FACILITY-CONDITION RECORD

AS OF 0100-2306

Fund	No.	Fund	District	Resource Ac.	State	County	Administration Costs				Cleanup Co.	Type	Totals
							Amt. Vin.	Amt. Fee Svt. Lev.	Amt. Enforc.	Amt. Other	Total		
0105-1919	0104-1883	0104-1902	0100-0543	0100-0418	0100-0609	0100-0546	0104-1947	0104-1945	0104-1942	0104-1940	0100-1935	0104-1939	0104-1937

AREA REQUIREMENTS

Facility Description		Owner	1-Satisfactory		2-Substandard		3-Heavy Mnce.		4-Replace/Betterment		5-Add/Substitute		6-Eliminate	
Name	Facility Code		Quantity	Cost	Quant.	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
Unit of Measure	Facility Code	0121-2572	0104-1911	0104-1912	0104-1909	0104-1913	0104-1907	0104-1914	0104-1906	0104-1915	0104-1904	0104-1916	0104-1903	0104-1917
0100-5646	0104-1879													

Ar.-Area
 Enforc.-Enforcement
 Co.-Cost
 Quant.-Quantity

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0453

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Activity and Services Table

OUTPUT FORM: Table

OUTPUT DESCRIPTION: Table of all the activities that are supported and services available at each site in a given area.

USER(s): Recreation maintenance personnel; Users of facilities; Reference publications

LOCATION(s): DO; SO

USAGE: General public at site and through brochures. Information personnel at DO. 1 X/Day @ DO

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 1 week

FREQUENCY OF PRODUCTION: 1 per quarter per planning unit

DEPENDENCIES: New hard copy as record updated or added.

REQUEST PARAMETERS: State, District, Local, by location (Dist., Lat/Long)

I/O #0453

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Activity and Services Table

SORT ORDER: By name of site, by location (Dist, Lat/Long)

ESTIMATED VOLUME: Approximately 20 sites per district, 80 to 100 per State.

COMPUTATIONS/PROCESSES: N/A

ACCURACY: N/A

SCALE: N/A

ANNOTATIONS: N/A

LEGEND: N/A

REMARKS: This will be used as the basis for the activity and services table posted at the site.

State
 District
 Planning Unit

Output

1/0 #0453

SUMMARY OF SUPPORT SERVICE

Site No.	Site Name 0105-1919	Services Available 10 miles from site			Concession Service Available Within 10 miles of site				
		Type, Service Possible Code Category 0104 - 1884	Distance Services 0104-1886	Route Service 0104-1888	Direction other service 0104- 1887	Type Service Concession Codes	Distance 0104- 1886	Route 0104-1888	Direction 0104-1887

6-1-64

Activity Opportunities (Enter Primary #4 secondary activities nearby)	Special Interest features (on site) 0104-1897	Public Services (Show All, regardless of distance 0104-1986	Distance 0104-1886	Route 0104-1888	Direction 0104-1887

Prog. Area: Recreation
Prep. By: _____
Date: _____

I/O #0454

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Recreation Site Overlay

OUTPUT FORM: Graphic

OUTPUT DESCRIPTION: An overlay showing the location, primary purpose and capacity of the sites in an area.

USER(s): Recreation Staff

LOCATION(s): District;
RA Office.

USAGE: URA II; Other agency reference.

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: 1 week

REQUIRED: 1 week

FREQUENCY OF PRODUCTION: 4/year

DEPENDENCIES: When site record or services updated; when URA is updated.

REQUEST PARAMETERS: Planning Unit, District.

OUTPUT TITLE: Recreation Site Overlay

SORT ORDER: NA

ESTIMATED VOLUME: 1 per Planning Unit.

COMPUTATIONS/PROCESSES: Point locations taken from the site record.
Annotation taken from capacity data elements.

ACCURACY: 1/8 mile of actual on-ground site.

SCALE: Must overlay planning area map.

ANNOTATIONS: Standard BLM capacity and function code as shown on the sample.

LEGEND: Meaning of codes upon request.

REMARKS: Used as URA and other planning quick references. Other agency
and commercial facilities will be included.

EMPLOYMENT OVERLAY

I/O 00434

810346
411 0568/0750

810430
431 0910/1114

8094300
412 0430/0101

810430

431 0910/1114

Where:

810430-	Recreation Site Identification
431-	Recreation Site Kind (431-Picnic, Phdy)
0910/1114-	Primary and Secondary Activity (0910-Motorcycling 1114-Rocket Laun- ching)

State 03
 District 03
 Resource Area 02
 Planning Unit 06

L/O #0401

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Site Directory Record

FORM: Inventory form

DESCRIPTION: Identifies transportation rates to the site, capacity, facilities available, and fees required for each site in the District. Locates and gives capacity of non-BLM sites.

PREPARATION RESPONSIBILITY: Field recreation personnel in the District or Resource area office.

FORMAT: Format to be determined, but will contain data elements shown on attached sheet.

DATA ENTRY PROCEDURE: To be determined.

FREQUENCY OF UPDATE: 1 to 2 per year per planning area.

VOLUME OF UPDATE: Each recreation site of record on BLM-administered lands and other government and private recreation facilities.

ARCHIVING REQUIREMENTS: Will be reviewed annually, however, a small number of changes will be generated. New records added very infrequently.

ACCESS LIMITATIONS: None

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: None

REMARKS: A modified version of the Forest Service RIM Directory Record will be used to describe the site. Some blocks will not be filled in for the non-BLM sites, i.e. only location and capacity elements will be completed.

SITE DIRECTORY RECORDLocative

State	0100 - 0690
District	0100 - 0543
Resource Area	0100 - 0418
Planning Unit	0100 - 1075
Latitude	0100 - 1236
Longitude	0100 - 1237
Site updated cost	0100 - 2306

Site Data

Number, site	0104 - 1883
Site name	0105 - 1919
Development Scale	0104 - 1983
(needs program work to reflect "development scale")	
Facility jurisdiction	0121 - 2572
Site kind	0104 - 1902
Capacity (PART)	0104 - 1867
Capacity (design)	0104 - 1877
Occupancy date	0104 - 1869
Size of site	0100 - 6520
Elevation	0100 - 0431

Locative Data

Nearest P.O.	0100 - 0935
State	0100 - 0004
Distance	0104 - 1886
Direction	0104 - 1887
Travel Route Data (recurs up to 3 times)	
Kind	0104 - 1895
Number	0104 - 1896
Distance	0104 - 1886
Direction	0104 - 1887

Site Summary

Number of Developed Units	
Single Family, Camp	
Tent	0104 - 1875
Trailer	0104 - 1874
Combination	0104 - 1866
Multiple Family, Camp	0104 - 1865
Picnic Units	
Single Family	0104 - 1864
Multiple Family	0104 - 1876
Electricity	0104 - 1981

Normal Use Season

Begin	0132 - 0997
End	0132 - 0998

Special Restrictions

Length of Stay	0104 - 1880
Reservation status	0104 - 1882
Fires, special restrictions	0104 - 1890
Travel trailers	0104 - 1899
Fees - Special Restrictions	0104 - 1878

I/O #0402

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Facility Condition Record

FORM: Inventory form

DESCRIPTION: This will be used to report the condition of the facilities at each site, the expected maintenance costs and possible disposition of facilities.

PREPARATION RESPONSIBILITY: Field maintenance personnel or Recreation Planner at end of major use season.

FORMAT: To be determined, but will contain the data elements shown on the attached sheet.

DATA ENTRY PROCEDURE: To be determined.

FREQUENCY OF UPDATE: Annually, after the use season.

VOLUME OF UPDATE: Each BLM Recreation Facility of record, approximately 15 to 20 per district, bureauwide.

ARCHIVING REQUIREMENTS: Records from previous 5 years must be readily available for Plan/Budget Information. Data beyond 5 years will be archived.

ACCESS LIMITATIONS: None

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: None

REMARKS: A modified version of the Forest Service RIM Facility Condition Record. Data will be collected at the end of the use system so it can be used for planning the next season's activity.

Identification

Site name	0105 - 1919
Site number	0104 - 1883
Kind	
State	0100 - 0690
District	0100 - 0543
County	0100 - 0546

Composite or Enclave

Kind	0104 - 1934
Name	0104 - 1929
As-of-Date	0100 - 2306

Area Requirements

Administrative costs	
Interpretive services	0104 - 1947
Fee services	0104 - 1945
Law Enforcement	0104 - 1942
Other	0104 - 1940
Total (computed)	

Clean-up costs	0104 - 1935
----------------	-------------

Resource treatment (recurring 3X)

Type	0104 - 1939
Total cost	0104 - 1937

Facility Inventory

Facility type code	0104 - 1879
Unit of measure	0100 - 5646
Condition class 1 - Satisfactory	
Quantity, Class 1	0104 - 1911
Cost, Class 1	0104 - 1912
Condition, Class 2 - Substandard	
Quantity, Class 2	0104 - 1909
Cost, Class 2	0104 - 1913
Condition, Class 3 Heavy Maintenance	
Quantity, Class 3	0104 - 1907
Cost, Class 3	0104 - 1914
Condition, Class 4 Replace/betterment	
Quantity, Class 4	0104 - 1906
Cost, Class 4	0104 - 1915
Condition, Class 5 Add/Substitute	
Quantity, Class 5	0104 - 1904
Cost, Class 5	0104 - 1917
Condition, Class 6 Eliminate	
Quantity, Class 6	0104 - 1903
Cost, Class 6	0104 - 1917

I/O #0403

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Support Services-Available

FORM: Coding sheet

DESCRIPTION: Input form for services and facilities not necessarily associated with the site. It will indicate the distance, direction and possible access routes to the service, concession or facility.

PREPARATION RESPONSIBILITY: Recreation Planner, District or Recreation area.

FORMAT: To be determined, but will contain data elements on attached sheet

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Annually checked at time of condition report. In addition, when new services, etc., are available. Est. update 1/quarter

VOLUME OF UPDATE: 1/2 of each BLM site of record will be updated annually

ARCHIVING REQUIREMENTS: Permanent until recreation site is abolished

ACCESS LIMITATIONS: Update by recreation staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: None

REMARKS: Report is changed only as travel routes are changed or concessions and/or town services are added or deleted. These should be reviewed before each use season so that data base will be as complete as possible for use season. Services will be considered only if within 10 miles the only exception being the public services.

SUPPORT SERVICES AVAILABLE

I/O #0403

State, Administrative	0100 - 0004
District	0100 - 0543
Resource Area	0100 - 0418
Planning Unit	0100 - 1075
Services, concession	0105 - 1928
Type services	0104 - 1884
Distance to services	0104 - 1886
Route to other services	0104 - 1888
Special interest features	0104 - 1897
Activities	0104 - 1923
Type, concession	0104 - 1930
Type, public service	0104 - 1986
Direction, other services	0104 - 1887

Regulation of Use

The intent of this package is to provide the manager a system for:

a) identifying where the different types of incidents, accidents or hazards are occurring, and b) mitigating adverse situations through the comparison of other visitor use information. Information is stored regarding severity and density of occurrence of incidents, thereby allowing the manager to rank, program and budget management actions toward adverse situations. The package will facilitate the identification of problem areas; the allocation of funds and manpower and the strengthening of such programs as public safety, law enforcement and resource protection.

This data set identifies types of incidents, accidents and safety hazards occurring on public lands that are of importance to managers in the regulation of visitor use. There are several types of incidents. They are resource damage, violations of regulations, and visitor assistance. Resource damage is identified by type, i.e., vegetation, wildlife, soil, water, cultural and property, and whether it is low, moderate or high. A violation is an act committed by a person that is prohibited by a rule or regulation and is usually associated with resource damage of some kind. Visitor assistance includes search and rescue stranded vehicles, information to visitors, etc. Accidents are classified as causing damage to property, no injury or death, minor injury, no hospitalization required, serious injury, hospitalization required, and fatality. Safety hazards are identified by type and are rated as to seriousness. The location of all incidents will be indicated on an overlay.

All resource personnel in a district will be responsible for collecting data on the kinds and location of incidents when in the field. It is anticipated employees in the course of their regular work in the field will be in a position to observe incidents and record them. The relative number of incidents will probably be few and should not be a burden. Seasonal employees can play a major role in the collection of this data, as visitation to the public lands is basically seasonal in nature. This information will not have particular value until it has been accumulated over a period of time, because a certain amount of information is needed before patterns of types of visitor activity emerge. There has been very little of this type of information collected to date and a system for collection will be a basic need. All outside sources of information such as local newspapers, hospitals, and law enforcement authorities, should be utilized in gathering information on incidents and accidents occurring on public lands.

Similarly, data about accidents can be collected through the course of regular field work. However, it is most important in this case to monitor other information sources, because the handling of accidents occurring on BLM administered lands many times does not involve BLM personnel. If the inquiry into the cause of accidents is going to provide direction to management, then this type of monitoring is necessary. Accidents will be reported on the standard Form DI 134 with an extra copy being submitted for input to the BLM computer. Magnetic tape update from the Department of the Interior was not judged to be feasible

since they do not automate some data elements that are important to the BLM system.

Safety hazards are slightly different in that it entails an inventory of hazards including a description and an indication of the severity of the hazard. These can be entered as they are reported. When hazards are pointed out with visitor use occurrence information, the mitigation of hazards can easily be ordered by priority, based on volume of use in the area.

REGULATION OF USE

INPUTS

Incident Report	0501
Incident Location Overlay	0502
Accident Report	0503
Hazard Data	0504
Hazard Location Overlay	0505

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OUTPUTS

0551	Incident Table
0552	Incident Overlay
0553	Damage Analysis Table
0554	Hazard Report
0555	Hazard Overlay

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0554

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Incident Table

OUTPUT FORM: Table

OUTPUT DESCRIPTION: Table showing the various incidents and their location.
Included is a indication of resource damage and a description of the incident.

USER(s): Recreation Planner; Ranger Area Manager LOCATION(s): District Office, Resource Area Office

USAGE: URA 3 Planning - Manpower allocation - Program Planning

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: Overnight . REQUIRED: 1 week

FREQUENCY OF PRODUCTION: Monthly for operational purposes in District or Resource Area Office. Yearly for URA planning

DEPENDENCIES: Planning cycle. Month-end for monthly summary.

REQUEST PARAMETERS: District, Resource area and other areal parameters.
Type report/incident

OUTPUT TITLE: Incident Table

SORT ORDER: District, Resource Area, Planning Unit, Township/Range

ESTIMATED VOLUME: 15 to 20 incidents per District per month

COMPUTATIONS/PROCESSES: Total incidents by type of incident, by type of
damage, by report

ACCURACY: N/A

SCALE: N/A

ANNOTATIONS: N/A

LEGEND: N/A

REMARKS: This format is desired with a variety of request parameters and sort orders. This can be used in conjunction with Incident Overlay.

State 0100 2004
 District 0100 0543
 Resource Area 0100 0418
 Planning Unit 0100 1075

I/O # 0551

INCIDENT TABLE

Incident Case #	Area Name	Type of Incident	Location Twnshp Rng	Date/Time of Incident/Report	Enforcement Action	Damage						Estimated \$ Loss	Incident Remarks
						Vegetation	Wildlife	Soil	Water	Cultural	Property		
0105 2022	0104 1863	0105 2200	0100 1695 0100 1699 0100 2501	0100 8518 0100 6926	0105 1956	0105 1938	0105 1999	0105 2000	0105 2001	0105 2006	0105 2003	0105 1973	105 1902
						Lost Person Data							
						Age		Sex		Zipcode			
						0105 1966		0100 1968		0100 1656			
						Accident Data							
Severity of Accident		Primary Cause		Severity of Injury									
0105 1965		0105 2012		0105 2015									

Prog. Area: _____
Prep. By: _____
Date: _____

OUTPUT DESCRIPTION
Page 1 of 2

I/O #0552

OUTPUT TITLE: Incident Overlay

OUTPUT FORM: Graphic

OUTPUT DESCRIPTION: Graphic showing various incidents, their ID number, type of incident and location

USER(s): Recreation Planner, Ranger Area Manager LOCATION(s): District Office, Resource Area Office

USAGE: URA 3, Planning, Manpower allocation, program planning

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: overnight REQUIRED: 1 week

FREQUENCY OF PRODUCTION: Monthly for operational purposes

DEPENDENCIES: Planning Cycle, Month-end for Monthly Summary

REQUEST PARAMETERS: District, Resource Area and other areal parameters plus Type, Report/Incident.

I/O #0552

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Incident Overlay

SORT ORDER: N/A

ESTIMATED VOLUME: 15 to 20 incidents per district per month

COMPUTATIONS/PROCESSES: None

ACCURACY: Within 5%

SCALE: Must overlay planning area Base Map

ANNOTATIONS: Incident number and type, report/incident

LEGEND: State, District, Resource Area, Planning Unit
Display meaning of type, report incident upon request.

REMARKS: This format desired with a variety of request parameters. This can be used in conjunction with the incident table.

INCIDENT OVERLAY

I/O #0552

		.01004 180	
.00349 103 .00638 421			
	.A00138 16		
.00423 310 .00056 310 .00075 132	.00638 140		.A00194 13
		.A00130 14	
	.00093 210		

State CO
 District Craig
 Resource Area
 Planning Unit 01

NR-58

XXXX - Incident # XX - Incident Type	AXXXX - Accident # XX - Type Accident
---	--

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0553

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Damage Analysis Table

OUTPUT FORM: Table - Matrix

OUTPUT DESCRIPTION: Table showing the types of resource damage and its causes.

USER(s): Recreation Planner; Rangers LOCATION(s): District Office; Resource area
other resource specialists Office

USAGE: URA 3 planning, damage mitigation and program planning

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: overnight REQUIRED: 1 week

FREQUENCY OF PRODUCTION: Periodically for operational purposes in Districts or
Resource Area office, yearly for URA Planning

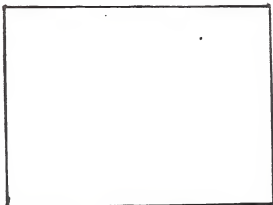
DEPENDENCIES: Planning cycle, programming for mitigation of damage.

REQUEST PARAMETERS: District, Resource Area and other areal parameters.

Table

X

Y



X vs. Y table where X and Y are counts of any 2 of:

- Type (7)
- Cause (8)
- Significance (3)
- Date (Weeks, months, weekend vs. weekday)

Where the two above and location are specified.

E. G. Given A Range of dates and a specific significance, show count of each Type and Cause. Entry on table is number of incidents.

For Example:

Type, Damage

Violation	Vegetative	Wild-life	Soil	Water	Cultural	Property
Trespass	34	14	5	1	23	6
Vandalism	63	3	0	4	19	75
Theft	23	13	0	0	15	83
No Permit	3	1	0	1	0	0
Littering	3	1	0	13	1	0
Firearms	1	26	0	0	13	56
Other	1	3	1	4	3	1

I/O #0553

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Damage analysis Table

SORT ORDER: Will be based on parameters used to establish matrix

ESTIMATED VOLUME: 10 to 15 incidents per planning unit

COMPUTATIONS/PROCESSES: Total incidents by type of damage, type of resource,
and by cause of damage

ACCURACY: N/A

SCALE: N/A

ANNOTATIONS: N/A

LEGEND: N/A

REMARKS: This format desired with a variety of request parameters and sort orders

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0554

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Hazard Report

OUTPUT FORM: Table

OUTPUT DESCRIPTION: Table showing type of hazards, their rating, location and proposed and actual mitigation.

USER(s): District Safety Office,
Recreation Planner, Area Manager

LOCATION(s): DO's; Area offices

USAGE: Development of hazard mitigation plans and planning of safety hazard inspection. URA 3 planning

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: overnight

REQUIRED: 1 week

FREQUENCY OF PRODUCTION: periodic - as needed for planning and hazard occurrence or mitigation

DEPENDENCIES: Safety hazard inspections on public lands.

REQUEST PARAMETERS: District, Resource Area, State

I/O #0554

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Hazard Report

SORT ORDER: Ranking hazard within Resource Area or District to show the most hazardous first.

ESTIMATED VOLUME: 10 to 15 hazards per planning unit

COMPUTATIONS/PROCESSES: N/A

ACCURACY: N/A

SCALE: N/A

ANNOTATIONS: N/A

LEGEND: N/A

REMARKS: For use in conjunction with hazard overlay. A variety of request parameters is desired.

I/O # 0534

State 0100 0004

District 0100 0534

Resource Area 0100 0418

Planning Unit 0100 1075

HAZARD REPORT

Date 0100 1905

Hazard Id.	Geographic Location (Lat/Long)	Type of Hazard	Rating	Proposed Mitigation	Actual Mitigation	Hazard Remarks
0104 1889	0100 1236 0100 1237	0105 1969	0105 1971	0105 1852	0105 1892	0105 1960

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0555

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Hazard Overlay

OUTPUT FORM: Graphic

OUTPUT DESCRIPTION: Overlay showing types of hazards, their rating and location.

USER(s): District Safety Office; Area Manager; Recreation Planner
LOCATION(s): District Office; Area Office

USAGE: Development of hazard mitigation plans and planning of safety hazard inspections. URA 3 planning.

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 1 week

FREQUENCY OF PRODUCTION: Periodic - as needed for planning and hazard mitigation.

DEPENDENCIES: Occurance of safety hazard inspections on public lands.

REQUEST PARAMETERS: District, Resource Area, State

OUTPUT DESCRIPTION

Page 2 of 2

I/O #0555

OUTPUT TITLE: Hazard Overlay

SORT ORDER: N/A

ESTIMATED VOLUME: 10 to 15 hazards per Planning Unit

COMPUTATIONS/PROCESSES: N/A

ACCURACY: N/A

SCALE: Must overlay Planning Area Base Map

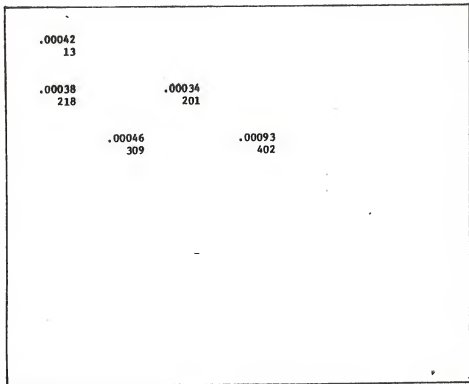
ANNOTATIONS: Hazard number and hazard type

LEGEND: State, District, Resource Area, Planning Unit, Meaning of type, hazard upon request.

REMARKS: This format desired with a variety of request parameters. This can be used in conjunction with hazard table.

HAZARD OVERLAY

I/O #0555



.00042
13

.00038
218

.00034
201

.00046
309

.00093
402

State 00
District Craig
Resource Area
Planning Unit 01

RE-77

XXXXX - Hazard Number
XXX - Hazard Type

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0501

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Incident Report

FORM: Coding Sheet

DESCRIPTION: A report describing an incident on lands of interest to BLM. Incidents will include vandalism, incidental resource damage, lost person and other incidents that might effect the resources and/or BLM property.

PREPARATION RESPONSIBILITY: BLM rangers or any other BLM employee in the field.

FORMAT: To be developed, but will contain data elements listed on the attached sheet.

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Monthly from Resource Area or District Office

VOLUME OF UPDATE: Ten to twenty per office

ARCHIVING REQUIREMENTS: Maintain reports by the year. Retain the current year data in the current file. Archive older data.

ACCESS LIMITATIONS: Update by Lead Ranger or Recreation Planner only.

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: Report must be reviewed by Area Manager prior to update.

REMARKS: All incidents except accidents are reported on these forms.

I/O #0501

INCIDENT REPORT

State, Admin.	0100 0004
District	0100 0534
Resource Area	0100 0418
Planning Unit	0100 1075

Identification Number, Incident	0105 2022
Name, Recreation Site	0104 1863
Township	0100 1695
Range	0100 1699
Section	0100 2501
Date Recorded	0100 8518
Time	0100 6926
Type, Incident/Report	0105 2200
— Damage, Vegetative	0105 1998
Damage, Wildlife	0105 1999
Damage, Soil	0105 2000
Damage, Water	0105 2001
Damage, Cultural	0105 2006
Damage, Property	0105 2003
Monetary Loss, Estimated	0105 1973
Remarks, Incident	0105 1902

Lost Person Data

Age	0105 1966
Sex	0100 1968
Zip Code	0100 1656

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0502

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Incident Location

FORM: Annotated Map

DESCRIPTION: A map on which is indicated the location of the incident, including vandalism, resource damage, lost persons, visitor assistance and other incidents that might involve the resources and/or BLM property.

PREPARATION RESPONSIBILITY: BLM Rangers or any other BLM employee in the field.

FORMAT: See attached sample

DATA ENTRY PROCEDURE: To be determined.

FREQUENCY OF UPDATE: Monthly from Resource Area or District Office

VOLUME OF UPDATE: One map with 10 to 20 points from each Resource Area or District Office

ARCHIVING REQUIREMENTS: Retain data from current year in the active file. Archive older data.

ACCESS LIMITATIONS: Annotated map to be completed by the Lead Ranger or Recreation Planner.

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS:

REMARKS: All incidents including accidents will be graphically entered in this manner. An alternative method (and perhaps, an interim input method) is to enter coordinates on the incident report and utilize them to locate the incident on the overlay. This would eliminate the need for this input procedure.

I/O #0502

INCIDENT OVERLAY INPUT

.A00130

.00068

.00044

.A00019

.A00034

.01468

.01096

.00382

State = 05

District = 01

Resource Area =

Planning Unit = 02

POINTS WHERE NUMBER IS PRECEDED BY AN 'A' ARE THE LOCATION OF ACCIDENTS

RE-81

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0508

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Accident Report

FORM: Coding Sheet DI-134

DESCRIPTION: A report describing elements in an accident

PREPARATION RESPONSIBILITY: BLM Rangers or any other BLM employee in the field.

FORMAT: To be developed, but will contain the data elements listed on the attached sheet.

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Monthly from Resource Area or District Office

VOLUME OF UPDATE: 5 to 10 per office

ARCHIVING REQUIREMENTS: Retain data from current year. Archive older data.

ACCESS LIMITATIONS: Update by Lead Ranger or Safety Officer

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: Report must be viewed by Area Manager prior to update.

REMARKS: Only visitor accidents on public lands reported on this form. A copy of the form will be submitted to DSC for input into the computer; other copies to be forwarded as normal. This is necessary since some of the needed data is not automated by the department and therefore cannot be obtained from them on magnetic tape. The field report number will be used to assign the next available Incident number thus becoming the identifier for the incident. RE-82

U. S. DEPARTMENT OF THE INTERIOR
 Safety Management Information System
 REPORT OF ACCIDENT/INCIDENT

FIELD REPORT NO.

0105 2022

DATE

I/O #0503

0100 0004

0100 0543

1. REPORTING UNIT AND ADDRESS																													
2. NAME OF PERSON INVOLVED (last, first, middle initial)										3. AGE					4. SEX <input type="checkbox"/> Male <input type="checkbox"/> Female					6. EMPLOYMENT STATUS									
ADDRESS (include zip code)										5. SOCIAL SECURITY NUMBER										7. OCCUPATIONAL CODE (last digit here)									
0100 8518 0100 6926 Use separate form for each person involved																													
8. DATE AND TIME OF INCIDENT										9. ACTIVITY										20. LOST TIME DATA									
YR. MO. DAY HR. MIN.																				a. Date unable to perform regularly established duties									
10. STATE IN WHICH INCIDENT OCCURRED																				b. Date returned to work (Regularly established duties)									
11. TYPE OF ACCIDENT/INCIDENT										0105 2012										c. Date returned to work (Restricted work activities)									
12. RESULT OF ACCIDENT/INCIDENT										0105 1965										d. Date terminated									
13. NATURE OF INJURY/ILLNESS																				e. Date permanently transferred to lighter duty									
14. SEVERITY OF INJURY/ILLNESS										0105 2015										f. Number of days of restricted work activity									
15. PART OF BODY AFFECTED																				TO BE COMPLETED BY SAFETY MANAGER ONLY									
16. SOURCE (What was used, done, contacted, etc?)																				g. Number of days lost (ANSI-Z16.1)									
17. HUMAN FACTOR																				h. Number of lost workdays (OSHA-29 CFR 1960.2 (n))									
18. PHYSICAL/ENVIRONMENTAL FACTOR																				i. Chargeable - ANSI-Z16.1? YES NO									
19. REPORT SENT TO OWCP?										YES					NO														
21. PROPERTY OWNERSHIP																				23. IDENTIFICATION OF PROPERTY INVOLVED (name, model number, size, make, type, etc.)									
22. AMOUNT OF PROPERTY DAMAGE (Dollars Only)																				a. Government:									
0105 1973																				b. Other:									
a. GOVERNMENT										b. OTHER																			
\$ 00										\$ 00																			

24. NARRATIVE OF ACCIDENT/INCIDENT (Include who, what, when, where, and how)

0105 1902
 0100 1695
 0100 1699
 0100 2501
 0104 1863

Continue on separate sheet, if necessary

25. CORRECTIVE ACTION TAKEN OR PLANNED

WHEN: Now _____ Fiscal Year _____

Signature and title of reporting official

Initials of Bureau Safety Manager

Signature of reviewing authority

Date

Date

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0504

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Hazard Data

FORM: Coding Sheet

DESCRIPTION: A report form locating and describing known hazards to recreation in the area.

PREPARATION RESPONSIBILITY: Recreation Planner in the Resource Area or District Office.

FORMAT: To be determined but will contain the data elements listed on the attached sheet.

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Once every six months for the Resource Area or District. More often if needed.

VOLUME OF UPDATE: 10 to 20 hazards per update.

ARCHIVING REQUIREMENTS: None

ACCESS LIMITATIONS: Update by Recreation Planner only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: None

REMARKS: As hazards are mitigated, the method used should be input to the hazard record.

I/O #0504

HAZARD DATA

State, Admin	0100 0004
District	0100 0534
Resource Area	0100 0418
Planning Unit	0100 1075
Identification Number, Hazard	0104 1889
Latitude	0100 1236
Longitude	0100 1237
Type of Hazard	0105 1969
Rating Hazard	0105 1971
Mitigation, Proposed	0105 1852
Mitigation, Actual	0104 1892
Remarks, Hazard	0105 1860

Prog. Area: _____
Prep. By: _____
Date: _____

I/O #0505

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Hazard Location Input

FORM: Annotated Map

DESCRIPTION: A map showing the location of each hazard in the area.

PREPARATION RESPONSIBILITY: Ranger or Recreation Planner in the Resource Area or District Office.

FORMAT: See attached sample

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Once every six months per Resource Area or District Office.

VOLUME OF UPDATE: One map showing 10 to 20 hazards per update

ARCHIVING REQUIREMENTS: Retain data from current year on current file. Archive data after year end reports.

ACCESS LIMITATIONS: Update by Ranger or Recreation Planner only.

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS:

REMARKS: If coordinates of hazard are entered on the hazard input form, this input method would not be needed.

HAZARD OVERLAY INPUT

I/O #0505

RE-87

.01216

.00438

.11638

.21345

.11423

.00639

State	05
District	04
Resource Area	01
Planning Unit	02

VISITOR USE

This data set includes information on all visitor use occurring on BLM lands, both at developed recreation sites and at dispersed locations. Information sources for developed sites will be permit fee envelopes, visitor registration, and concession use reports. Information sources for dispersed locations will be recreation use permits; other agencies (federal, state and local); traffic counters; and actual counts and estimates from field observations. These sources will be implemented to provide estimates on how many persons are engaging in what activities and at what locations on BLM and other adjacent lands that effect the Bureau's operation. This information is intended to assist management in managing visitor use on public lands and to provide information required annually for Public Land Statistics.

A quality evaluation of recreation use opportunities will be made of all sites that have been identified as having a resource value. The information from the different visitor use sources is then applied to the area to determine the amount of visitor use a particular resource is receiving. It is not feasible to interview all people observed within a given area regarding their activities; furthermore, use in dispersed areas must be estimated. Therefore, the activities associated with a given area will be predetermined by the recreation staff based on professional judgement, observation and analysis of the recreation resource as rated by the quality evaluation procedure. This will necessitate the periodic re-evaluation of

these areas by the staff. The visitor use data that is subsequently collected in the area will be attributed to those activities. In addition, origin data serves no useful purpose in the URA System.

Storage of all origin data is difficult and almost impossible to manipulate since a separate Visitor Use Record would have to be stored for each rating area. When required for Activity Planning or Facility Design, a 2-3 year historical record could be constructed using data that was not key entered. In the same manner, other collected information regarding Visitor Characteristics can be manipulated for non-URA planning purposes when needed.

VISITOR USE

Inputs

Recreation Use Permits ————— 0511
Permit Fee Envelope Summary Sheet ————— 0512
General Visitor Use Estimates ————— 0513
General Sightseeing Visitor Use Estimates — 0514
Visitor Register Summary Form ————— 0515
Concession Use Report ————— 0516
Visitor Use Area Description ————— 0517
Visitor Use Area Location Data ————— 0518



Outputs

0561 ——— Use Report Table
0562 ——— Use Occurrence Overlay
0563 ——— Recreation Use Trends
0564 ——— Concession Use Tables

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0561

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Use Report Table

OUTPUT FORM: Table

OUTPUT DESCRIPTION: Summarizing all use on a reporting areas. (Report area usually the same as that of Quality Evaluation).

USER(s): Recreation Planner LOCATION(s): District or State

USAGE:
Ura 3

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: 1 week REQUIRED: 2 weeks

FREQUENCY OF PRODUCTION:
Semi-Annually

DEPENDENCIES: New raw data from any source; information would be held until significant enough in quantity to re-summarize use table.

REQUEST PARAMETERS: Tabulate by Rating Area, Activities and variety of use measurements over a time period.

IO-0561

OUTPUT DESCRIPTION

Page 2 of 2

OUTPUT TITLE: Use Report Table

SORT ORDER: Identification, Visitor Use Area

ESTIMATED VOLUME: 10 to 20 pages per District or Resource Area

COMPUTATIONS/PROCESSES:

Total visitor use measures for the desired time period.

ACCURACY: NA

SCALE: NA

ANNOTATIONS: NA

LEGEND: NA

REMARKS:

This report must be asked for by a given time period.

I/O # 0561

STATE.....05 (0100-0004)
 DISTRICT.....06 (0100-0534)
 RESOURCE AREA..01 (0100-0418)
 PLANNING UNIT...03 (0100-1075)

DATE (0100-7300)

USE REPORT TABLE
 ESTIMATED OR MEASURED

VISITOR AREA IDENTIFICATION	AREA NAME	(0105-1922)		PERIOD OF MEASUREMENT		NUMBER OF PEOPLE/VISITS	VISITOR HOURS	VISITOR DAYS	RELIABILITY FACTOR	REMARKS
		PRIMARY ACTIVITY	SECONDARY ACTIVITY	(0132-0997)	(0132-0998)					
(0106-1891)	(0106-1962)	(0105-1922)	(0105-1922)	(0132-0997)	(0132-0998)	(0105-1932)	(0105-1924)	(0105-1931)	(0105-1953)	(0105-2080)
		TOTALS FOR PERIOD OF INTEREST		105-1967		TOTAL NUMBER OF PEOPLE/VISITS	TOTAL VISITOR HOURS	TOTAL VISITOR DAYS	AVERAGE RELIABILITY FACTOR	
				(0105-1967)						

RE-93

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0562

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Use Occurrence Overlay

OUTPUT FORM:
Graphic Overlay

OUTPUT DESCRIPTION:

USER(s): Public Planners
District Mgr

LOCATION(s): District

USAGE:
URA III

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 1 week

FREQUENCY OF PRODUCTION: Once per year hard copy to URA only. There updated
from Data Entry Visitor Use Site Location Data.

DEPENDENCIES:
Public Inquiry, any proposed developmental work.

REQUEST PARAMETERS: Show the density, or occurrence of use for a specific
activities within a stated geographic boundary.

IO-0562

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Use Occurrence Overlay

SORT ORDER: NA

ESTIMATED VOLUME: One per Resource Area or District

COMPUTATIONS/PROCESSES: Must total Visitor Days for each site.

ACCURACY: Must overlay base map.

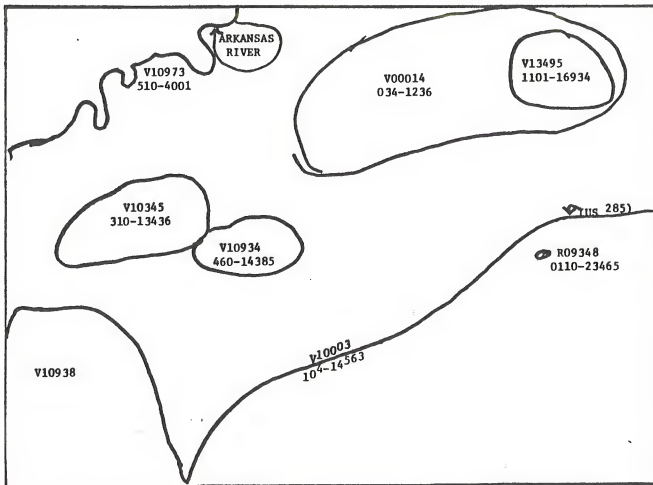
SCALE: Varied

ANNOTATIONS: Visitor Use Area Identification, Primary Activity and Total of Visitor Days

LEGEND: Meaning of Primary Activity Codes upon request.

REMARKS: Designated Recreation Sites will also be included in this overlay.

INTENSITY OF USE OVERLAY



RE-96

STATE.....05
 DISTRICT....01
 RESOURCE AREA..02
 PLANNING UNIT..03

VXXXXX WHERE: VXXXXX - VISITOR USE AREA
 NNN - PRIMARY ACTIVITY
 DDDD - NUM. OF VISITOR DAYS
 RXXXXX - RECREATION SITE

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0563

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Recreation Use Trends

OUTPUT FORM: Graph

OUTPUT DESCRIPTION: A graph showing the trends of visitor use by activity
for any area of concern.

USER(s): Recreation Planner

LOCATION(s): All Staffs depending on
the request parameters

USAGE:
URA 3

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: 1 week REQUIRED: 2 weeks

FREQUENCY OF PRODUCTION: Annually or URA update

DEPENDENCIES: Visitor Registry
Visitor Activity/Sightseeing forms

REQUEST PARAMETERS: Activity, Recreation and the desired areal parameter,
e.g., State, District, Resource Area, Etc.

OUTPUT TITLE: Recreation Use Trends

SORT ORDER: N/A

ESTIMATED VOLUME: 1 graph for each activity-area combination.

COMPUTATIONS/PROCESSES:

Sum of Visitor hours by request area then develop a trend line thru statistical inference.

ACCURACY: N/A

SCALE: N/A

ANNOTATIONS: Dependent variable is visitor hours or visitor days independent variable is time, i.e., year.

LEGEND: Reporting Unit, Activity, Span of Years and Magnitude of Measurement must be shown.

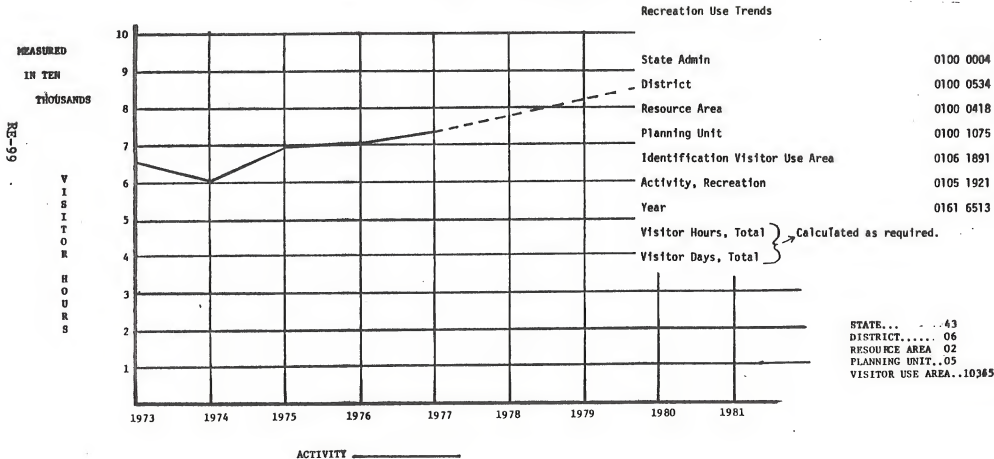
REMARKS:

This report can be produced from the visitor use site-level up to the State-level. Visitor hours over time, including future use projections by a given activity for a reporting parameter, e.g., State, District, Place or Site. May want to display by visits and/or visitor days.
Example 25 visitor hours = 2 1/12 visitor days = 1 visit = 2 recreation days.

Historical data will be manipulated to produce trends as required by URA 2.

I/O # 0563

ACTUAL AND PROJECTED VISITOR HOURS BY ACTIVITY



Prog. Area: _____
Prep. By: _____
Date: _____

IO-0564

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: concession Use Table

OUTPUT FORM: Table

OUTPUT DESCRIPTION: An annual summary of the available concessions and the volume of use for each.

USER(s): Recreation Planner LOCATION(s): District Office
State Office

USAGE: To monitor Visitor Use. Program Management

ACCESS LIMITATIONS: None. However, access must be restricted when privileged, operational data is included at later DRD cycle.

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 1 week

FREQUENCY OF PRODUCTION: An annual output for each district and State Office.

DEPENDENCIES: URA

REQUEST PARAMETERS: Type, Concession; Name, Concession or various area parameters

IO-0564

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Concession Use Table

SORT ORDER: Area identifier then concession name.

ESTIMATED VOLUME: 10 to 20 pages per District

COMPUTATIONS/PROCESSES:

Total visitors for those concessions shown in the report will be calculated

ACCURACY: N/A

SCALE: N/A

ANNOTATIONS: N/A

LEGEND:

N/A

REMARKS:

I/O # 0564

STATE (0100-0004)

DISTRICT (0100-0534)

PLU (0100-1075)

ANNUAL CONCESSIONS USE TABLE

DATE (0100-8518)

AREA ID	AREA NAME (RATING)	CONCESSION NAME	TYPE CONCESSION	SERVICES PROVIDED	NUMBER OF PEOPLE SERVED	USE PERIOD		
RE-102 (0106-1891) OR (0104-1883)	(105-1962)	(0105-2081)	(105-1930)	(105-1928)	(0105-1927)	(0105-1967)		
					VISITS PER YEARS (0105-1987)			

Prog. Area: _____
Prep. By: _____
Date: _____

IQ-0511

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Recreation Use Permit

FORM: Forms 6250-5 (Long) 2920-4 (Short)

DESCRIPTION: Standard recreation use permits from which certain data elements are taken.

PREPARATION RESPONSIBILITY: Recreation Planner or Lands person responsible for working up use permit.

FORMAT:

Forms will need to be modified or include explicit procedures on completing those elements of interest in the instructions.

DATA ENTRY PROCEDURE: To be determined but will input data elements shown on the attached list.

FREQUENCY OF UPDATE: Once per month

VOLUME OF UPDATE: 5 per district

ARCHIVING REQUIREMENTS: Permanent records will be kept.

ACCESS LIMITATIONS: Update by Recreation Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS:

The person processing the permit must ensure completion of data elements that are of interest and the appropriate routing of a copy of the permit into ADP input channels.

REMARKS:

Other information on form used in other program areas. If a permit request is for an area not yet identified by a Visitor Use Area record, one will have to be created; otherwise, the person handling the permit will have to put the appropriate Site No. on the request. This will ensure the use data is attributed to the correct Visitor Use Area Record. The Post-Use Questionnaire data should be used from the Long Form.

10-0511

Recreation Use Permit

Only certain data elements will be taken from this form.

Identification, Visitor Use Area	0105 1891
Date Activity Begins	0132 0997
Date Activity Ends	0132 0998
Activity, Recreation	0105 1922
Number Spectators	0105 1946
Number Participants	0105 1898
Remarks, Visitor Use	0105 2080

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0512

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Permit Fee Envelope Summary Sheet

FORM: Coding Sheet

DESCRIPTION: A summary of data taken from the fee envelopes at a site.

PREPARATION RESPONSIBILITY: The person responsible for collection of the
fee envelopes

FORMAT:

To be determined but will contain the data elements shown on the
accompanying sheet.

DATA ENTRY PROCEDURE:

To be determined.

FREQUENCY OF UPDATE:

Monthly

VOLUME OF UPDATE:

Estimate there is an average of 8 Fee Sites per District.

ARCHIVING REQUIREMENTS: Data for the current year will be maintained in the
current file. Older data will be archived but may be used periodically
for 5 or 10 year summaries or Use Trend Displays.

ACCESS LIMITATIONS:

Update by Recreation Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS:

None

REMARKS: Primary use of information: (a) Numbers of persons using site. (visitor
count, reporting revenues to BOR, etc.) (b) Number + hours on-site = occupancy
rate (c) Location of site gives us good indication of visitor participation in
available activities and converts data in visitor hours in given activity.

I0-0512

Permit Fee Envelope Summary Sheet

Number, Site Designation	0104 1883
Occupancy, Recreation Site	0105 1921
Number of Persons	0105 1920
Date Activity Begins	0132 0997
Date Activity Ends	0132 0998
Activity, Recreation	0105 1922

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0513

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: General Visitor Use Estimates by Activity for Rating Area

FORM: 6110-11

DESCRIPTION: Worksheet showing primary data services & computations from personal observations, Visitor Registers resulting in estimates of Visitor Use.

PREPARATION RESPONSIBILITY: District or Resource area Recreation Planner

FORMAT: Table, based on the accompanying list of Data Elements.

DATA ENTRY PROCEDURE:
To be determined, Batch

FREQUENCY OF UPDATE: Annually or when URA updated

VOLUME OF UPDATE: 50 per Planning Unit

ARCHIVING REQUIREMENTS: File one estimate for each reporting area for each activity of significance. Retain 10 years of data.
Historical records needed by Rating Area & Date for visits attributable to BLM and Visitor Days attributable to BLM.

ACCESS LIMITATIONS:
Update by Recreation Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS:
None

REMARKS:
Information required annually for Public Land Statistics. This technique will be used in areas where there is no register or fee envelope collection.

I/O # 0513

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
GENERAL VISITOR USE ESTIMATES

1. Recreation Activity
0105-1922
2. Recreation Subactivity
3. Overlay number
4. Code number
5. Reporting year 0100-8516

6. Prepared by 0100-6525	7. Date 0100-7308	8. Name 0106-1962	
9. DATA SOURCE	10. AVERAGE DAILY USE		11. LENGTH OF SEASON
	VISITS (a)	DURATION (hours) (b)	(days) (c)
	0105- 1932	0105- 1924	0105- 1963
12. DERIVED ESTIMATE			
13. Reliability Index (See Form 1610-12) <input type="checkbox"/> 0105-1953			

14. CALCULATIONS

a. Visits per year	Average daily visits	x	Length of season	=	0105-1967
b. Visitor days per day	Average daily visits	x	Duration	+ 12 =	0105-1972
c. Visitor days per year	Visitor days per day	x	Length of season	=	0105-1970
d. Visits attributable to BLM	Percent of area (BLM)	x	Visits per year	=	0105-2048
e. Visitor days attributable to BLM	Percent of area (BLM)	x	Visitor days per year	=	0105-2066

(Instructions on reverse)

RE-108

Form 6110-11 (August 1972)

IO- 0513

General Visitor Use Estimates

Not all data elements on the existing form will be used.

Identification, Recreation Use Area	0106 1891
Activity, Recreation	0105 1922
Initials, Recorder/Collector	0100 6525
Year	0161 6513
Reliability Index	0105 1953
Number of Visits	0105 1932
Visitor - Hours	0105 1924
Length of Season	0105 1963
Percent of Area (BLM)	0106 1961

The following data elements will be calculated

Visits per Year	0105 1987
Visitor Days per Day	0105 1972
Visitor Days per Year	0105 1970
Visits Attributable to BLM	0105 2048
Visitor Days Attributable to BLM	0105 2066

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0514

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: General Sightseeing Visitor Use Estimate

FORM: 6110-12

DESCRIPTION: Analysis of secondary service data such as State Highway, Traffic counts to generate estimates of visitor use.

PREPARATION RESPONSIBILITY: District or Resource Area Recreation Planner.

FORMAT: Based on the accompanying form.

DATA ENTRY PROCEDURE: To be determined.

FREQUENCY OF UPDATE: Annually

VOLUME OF UPDATE: Estimate 20 per District.

ARCHIVING REQUIREMENTS: A current copy is maintained in file for each general sightseeing reporting area. Retain records for 10 yrs filed by reporting year and area identifier.
Data elements needed are:

1. Visits/yr
2. Visitor Days/yr
3. Visits attributable to BLM
4. Visitor days " " "

ACCESS LIMITATIONS:

Update by Recreation Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS:

None

REMARKS:

Information contributes to Public Land Statistics. This technique to be used in identified general sightseeing areas.

I/O # 0514

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

GENERAL SIGHTSEEING VISITOR USE ESTIMATES

		1. Overlay Number
		2. Code Number 0106-1891
		3. Reporting Year 0106-8519
4. Prepared by 0100-6525	5. Date 0100-7308	6. Name 0106-1962

7. TRAFFIC DATA (Volume and Characteristics)

DATA SOURCE (a)	AVERAGE DAILY TRAFFIC (b)	ADJUSTED		AVERAGE VEHICLE LOAD (e)	TRANSIT TIME (hours) (f)	LENGTH OF SEASON (days) (g)
		DAYLIGHT PER-CENTAGE (c)	NET ADT (d)			
0100-2202	0105-2229	0105-2058	0105-2057	0105-2056	0105-2055	0105-1963
8. DERIVED ESTIMATE						

9. Reliability Index 0105-1953

10. CALCULATIONS

a. Visits per year	$\frac{\text{Net Adj. ADT}}{\text{Ave. Veh. Load}} \times \frac{\text{Length of Season}}{\text{Visits/Year}} = \frac{0105-1987}{\text{Visits/Year}}$
b. Visitor days per year	$\frac{\text{Visits/Year}}{\text{Transit Time (hours)}} \times 12 = \frac{0105-1970}{\text{Visitor Days Per Year}}$
c. Visits attributable to BLM	$\frac{\text{Percent of Area (BLM)}}{\text{Visits Per Year}} = \frac{0105-2048}{\text{Visits Attributable to BLM}}$
d. Visitor days attributable to BLM	$\frac{\text{Percent of Area (BLM)}}{\text{Visitor Days Per Year}} = \frac{0105-2066}{\text{Visitor Days Attributable to BLM}}$

(Instructions on reverse)

Form 6110-12 (August 1972)

IO-0514

General Sightseeing Visitor Use Estimates

Identification, Recreation Use Area	0106 1891
Initials, Recorder/Collector	0100 6525
Year	0161 6513
Reliability Index	0105 1953
Daily Traffic, Average	0105 2229
Percent, Daylight	0105 2058
Daily Traffic, Net Adjusted	0105 2056
Vehicle Lead, Average	0105 2057
Transit Time	0105 2059
Length of Season	0105 1963
Percent of Area (BLM)	0106 1961

The following data elements are calculated

Visits per Year	0105 1987
Visitor Days per Year	0105 1970
Visits Attributable to BLM	0105 2048
Visitor Days Attributable to BLM	0105 2066

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0515

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Visitor Registration Summary Form

FORM: Coding Sheet to be modified 6110-7 format.

DESCRIPTION: Visitor Use Data is summarized for developed and undeveloped sites in dispersed areas where no fee is collected.

PREPARATION RESPONSIBILITY: Visitor Registers and Recreation Planner or maintenance person collects record weekly.

FORMAT:

To be determined. Not all data would be taken from register.
See accompanying list of data elements.

DATA ENTRY PROCEDURE:

To be determined.

FREQUENCY OF UPDATE:

Monthly

VOLUME OF UPDATE: Will vary with the Use-Season. High volume during use season; low volume during non-use.

ARCHIVING REQUIREMENTS:

Retain all records for 5 years.

ACCESS LIMITATIONS:

Update by Recreation Staff only.

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS:

Registration data will be summarized by the person that collects the data.

REMARKS:

This data to be collected for undeveloped sites. Collection of data through this method for Fee Sites may result in duplication of data.

Prog. Area: _____
Prep. By: _____
Date: _____

10-0516

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Concession Use Report

FORM: Coding Sheet

DESCRIPTION: An annual report of the concessions in the reporting area. Primarily shows the Visitor Use. (Data elements concerning operations management, e.g., Gross Receipts, etc. will be added during the next DRD).

PREPARATION RESPONSIBILITY:

Recreation Staff at District or Resource Area Office

FORMAT:

To be determined but will contain data elements shown on the accompanying sheet.

DATA ENTRY PROCEDURE:

To be determined.

FREQUENCY OF UPDATE:

Monthly during use season, i.e., 3 to 12 times per year per District or Resource Area.

VOLUME OF UPDATE:

Five to fifty reports per month per District

ARCHIVING REQUIREMENTS:

Retain data for current year in current file;
archive older data for up to ten years.

ACCESS LIMITATIONS:

Update by Recreation staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS:

None

REMARKS:

Whenever Gross Receipts and Permit data are entered, access will have to be restricted.

IO-0516

Concession Use Report

State, Admin	0100 0004
District	0100 0534
Resource Area	0100 0418
Planning Unit	0100 1075
Identification, Visitor Use Area	0105 1891
Number, Site Designation	0104 1883
Identification Number, Concession	0105 2082
Name, Rating Area	0105 1962
Name, Concession	0105 2081
Type, Concession	0105 1930
Services Provided	0105 1928
Number of People Served	0105 1927
Use Period	0105 1967
Remarks, Concession	0105 2083

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0517

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Visitor Use Area Description Record

FORM: Coding Sheet (Used with Visitor Use Site Location Annotated Map)

DESCRIPTION: This input will be used to describe visitor use areas that are not designated Recreation Sites. This will be the foundation for the subsequent collection of Visitor Use Data.

PREPARATION RESPONSIBILITY: Recreation Staff in District or Resource Area Office.

FORMAT: To be determined but will contain data elements-on the accompanying sheet.

DATA ENTRY PROCEDURE: One time entry. Information is not updated unless use appears to be changing or periodic sample indicates modifications are needed.

FREQUENCY OF UPDATE: At least, once every 3 years or as required.

VOLUME OF UPDATE: 20 records per year per District or Resource Area.

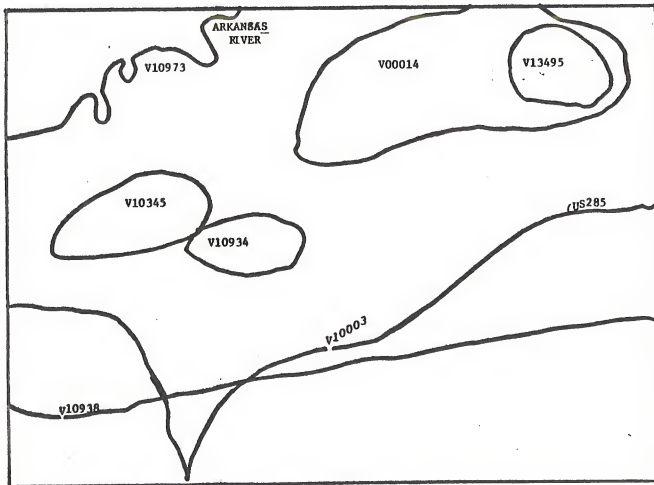
ARCHIVING REQUIREMENTS: None

ACCESS LIMITATIONS: Update by Recreation Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: None

REMARKS: Procedures for First Entry of Coding Sheet: (1) Determine Area boundaries (Reference 6111, "Rating Areas"), (2) Establish what are primary and secondary uses, (3) Monitor (activities) associated with site total use (use established use estimation, or measurement techniques that are set up for the Visitor Use area).

VISITOR USE SITE LOCATION DATA



RE-118

STATE.....05
DISTRICT.....01
RESOURCE AREA..02
RATING VISIT...03

NXXXXX Where: N=V for Visit use area
XXXXX = Sequence Number for the District.

10-0517

Visitor Use Area Description Record

State Admin	0100 0004
District	0100 0534
Resource Area	0100 0418
Planning Unit	0100 1075
Identification, Visitor Use Area	0106 1891
Name, Visitor Use Area	0106 1962
Location	
Meridian	0100 1703
Township	0100 1695
Range	0100 1699
Section	0100 2501
Activity, Recreation	
(Show Primary and Secondary)	0105 1922
Date, Recorded	0100 8518
Remarks, Visitor Use Area	0105 2084

Prog. Area: _____
Prep. By: _____
Date: _____

I/O # 0518

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Visitor Use Area Location Data

FORM: Annotated Map

DESCRIPTION: Map showing boundaries and location of Visitor Use Areas
as described by Visitor Use Site Record

PREPARATION RESPONSIBILITY: Recreation Planner in the District or
Resource Area Office

FORMAT: See accompanying sample.

DATA ENTRY PROCEDURE: To be determined.

FREQUENCY OF UPDATE: Modification or update perhaps every 3 years. Then,
only a portion of map area.

VOLUME OF UPDATE: 5 records per year per district.

ARCHIVING REQUIREMENTS: Permanent Record

ACCESS LIMITATIONS: Update by Recreation Staff only.

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: None

REMARKS: This is associated with the Visitor Use Site Record.

I/O # 0518

Visitor Use Area Location Data

State Admin	0100 0004
District	0100 0534
Resource Area	0100 0418
Planning Unit	0100 1075
Identification, Visitor Use Area	0106 1891
Boundary, Visitor Use Area	0105 2079

Recreation/Quality Evaluation

Our Quality Evaluation is almost entirely an analysis of other inventory systems or other source information (outside BLM). Therefore, we have portrayed the appropriate data elements in topic lists. They could be visualized as inputs to our inputs (Data Source Description). That is, by an analysis of these data elements augmented by the rater's personal knowledge, a rating can be developed for the Key Factors for that activity. These Key Factors are then input to the system. During Conflict Resolution, we attached Recreation as a user of the information in the other programs. Where we have not "attached" or provided program links, you will find a lower case "n".

There will appear to be duplicative data elements. Usually they will appear in two different inventory systems. Sometimes the definitions are very distinct; others were simply not negotiated at conflict resolution. We have shown all the appropriate data segments, despite the apparent duplication. This is important in the interim, since various inventory systems are in different stages of completion or program development.

The introduction to each topic will try to identify the Program, and the corresponding inventory output title or number. That task will be incomplete since all Resources were analyzing their I/O's at the same time.

The team responsible for the workup of Recreational opportunities felt that program development was needed on the Tolerance/Limitation

side of information gathering in order to incorporate it into a manual format, then an automated system. The Recreation Staff member who is responsible for the rating would determine the Tolerance/Limitation factors that would be applied to the area. This data would then be used to determine an adjustment factor to modify the Quality Evaluation Raw Score. For example, soil interpretations and other Resources Limiting Factor Information would be used to determine the score for any Quality Evaluation Key Factor that has to do with manipulation of the land. Other Limiting Factors of Tolerances would adjust the Raw Score in light of that resource's tolerances to visitor use. Recommendations for URA-4 would then be influenced by the adjusted score.

You will note the absence of any Primitive/Wildland/Wilderness Quality Evaluations. This will be a different Data Set developed from the tested Wilderness Study Program.

Zoological Summary:

This list, in part, supports the Hunting and Zoological Sightseeing Quality Evaluations.

Titles of Wildlife Resources Output documents utilized in our analysis are:

A. Zoological:

Map of Critical Habitat Sites (LF)
Map of Game Ranges and Seasonal Use Areas
Report of Species Occurrence
Animal Distribution Map
Wildlife Hazards and Habitat Conflicts Detail Table and Map
Habitat Sites Having a Special Feature
Animal Species List Report
Big Game Population Estimates
Harvest and Recreational Statistics
Individuals Harvested/Square Mile
Density, Individuals/Square Mile
Animal Observation Point Location Maps and Summary Sheet
Big Game Observation Seasonal Subtotal Summary

B. Fish:

"S" Stream Survey Summary Report
"T" Lake and Reservoir Habitat Report
Spot and Commercial Fisheries Catch Statistics Report
Fish Inventory Report

ZOOLOGICAL SUMMARY

Area Identification

Habitat Site Write-up Number	0161-6539
Game Management Unit Name	0161-6598
Area Name, Wildlife Habitat	0161-6599
Area, or Miles	0161-6662
Acres in Total Range	0161-6592
Habitat Site Name (small area)	0161-6501
(Hunting, zoological, sightseeing reference)	

Animal Species (must draw by Class Order, etc. because definition of game - non-game differs by state)

Species of Animal	0161-6532, 0161-6859
Phylogenetic Designation	0161-6620
Code, Animal common Name	0161-6587

Distribution:

Habitat Type, Standard	0100-6533
------------------------	-----------

Population:

Animal Density by Season (Abundance)	0161-6529
Quantity, Zoological Features (Density and Population)	0106-2033
Big Game Population Estimate in Wildlife Habitat Area	0161-6609
Confidence Limits (Population information)	0137-4187, 4186
Population Estimate, Wild Horse and Burro Harvest	0137-4185
Percent Success	0161-6602
Population, Habitable Game	0106-2043

Supply (Existing and Proposed)

Hunter Days/Season (SEP/PAA. Visitor Use Est.)

Limiting Factors (* Key Limiting Factor, Hunting)

*Percent Population Harvested (by species)	0161-6593
Status, Animal Species (designated)	0161-6530
Individuals Harvested/Square Mile	0161-6607
Individuals per Square Mile	0161-6608
Category, Wildlife Hazard or Conflict	0161-6570
Magnitude, Wildlife Hazard or Conflict	0161-6573
Wildlife Conflict Status	0161-6578
Major Wild Animal Species Affected (By limiting factors, hazard)	0161-6572

ZOOLOGICAL SUMMARY
(con't)

Fishing

Administrative (State, District, PU, etc.)

Area Identification

Water Class, State Fishing Water	0161-7035
State Stream Fishing Class	0161-7034
State Water Quality Class	0161-7033

Species

Phylogenetic Designation	0161-6620
Fish Species, Lake and Reservoir Survey	0161-6859
Animal, Scientific Name	0160-6532
Type of Fishery (cold, warm water, etc.)	0161-7029

Population

Anadromous Fish Species	0161-2660
Fish Populations (est. number)	0161-6808
Fish Species, Abundance, Lake and Reservoir Survey	0161-6858
Number, Each Fish Species, Lake and Reservoir Survey	0161-6861
Resident Fish Species	0161-2659

Harvest

Harvest, Sport (Fish/Shoreline)	0161-6812
Fish per Hour	0161-7327
Catch per Trip	0161-7328
Total Hours Fished	0161-7529

Limiting Factors (* Key Supply Information)

*Fisherman Days/Season	0161-7529
*Fish per Hour	0161-7327
Category, Wildlife Hazard or Conflict (to Wildlife, Man-caused)	0161-6570
Magnitude, Wildlife Hazard or Conflict	0161-6573
Status, Wildlife Conflict (increasing, decreasing, stable)	0161-6578
Fish Natural Reproduction, Lake and Reservoir Survey	0161-6869

FISH (Water Limiting Factors Con't)

Water Limiting Factors

Man-caused Pollution, Lake	0161-6871
Man-caused Pollution, Stream	0161-7197
Physical Pollution, Lake	0161-6872
Physical Pollution, Stream	0161-7195
Biological Pollution, Lake	0161-6870
Biological Pollution, Stream	0161-7196
Length of Shoreline	0161-5407
Stream, Reach Length	0161-7175
Problem, Water Quality, To Fish and Wildlife Use	0142-0709
Turbidity, Visibility in Feet	0161-6924
or	
Turbidity, Water Quality	0106-1976
Bottom Type, Shoal, Lake and Reservoir Survey	0161-6856
Level, Water Surface	0145-5406
Fluctuation, Annual Water	0145-5410
or	
Fluctuation, Water, Lake and Reservoir Survey	0161-6827

WATER SUMMARY

This list, in part, supports the Snowplay, ORV, Floatboating, Swimming and Skiing Quality Evaluation

"T" Lake and Reservoir Habitat Survey Report	
Stream Water Analysis	
Stream Habitat Survey	
Water Resources Inventory Map by Basin	WO-1
Table of Watershed Characteristics	WO-2
Channel and Stream Information Map	WO-5
*Table of Daily Stream Discharge Data	WO-9
Table of Water Body Data	WO-11
Table of Surface Water Quality Analysis	WO-13
Table of Ground Water Quality Analysis (cave)	WO-15
Table of Established Water Quality Standard	
*Table of Monthly Snow Depth and Snow Water Equivalent	WO-18
*Table of Monthly Streamflow by Station	WO-20
Water Resource Overlay (PU - URA)	WO-24
Annual Nonconsumptive Water Requirements	WO-30,31,33
*Station Records Summary Over Time,	

WATER SUMMARY (CON'T)

Locative D. E.

Latitude	0100-1236
Longitude	0100-1237
Code, Watershed	0145-5304
Name of Water	0100-4061
Reach, Stream	0145-5351
Lands, Jurisdiction	0121-2572
Wild and Scenic Rivers	0145-5448

Water Description

Type, Water	0100-3678
Spring Flow Type	0145-5110
Type, Other Water Resources	0132-3678
Stream Width Average	0161-7043
Stream Class	0132-3667
Level, Water Surface	0145-5406
Stream, Reach Length	0161-7175
Water Temperature	0161-6928
Width, Maximum, Lake and Reservoir Survey	0161-6828
Flow, Normal High Water SHS	0161-7113
Flow, Low SHS	0161-7114
Depth, Maximum, Lake and Reservoir Survey	0161-6829
Depth, Average Stream SHS	0161-7060
Turbidity, Visibility in Feet	0161-6924
Acres, Water Surface Area	0145-5404
Percent, Optimum, Poolriffle Ratio SHS	0161-7135
Elevation, Minimum, Lake and Reservoir	0161-6826
Elevation, Maximum, Lake and Reservoir	0161-6825
(n)Fluctuation, Annual Water	0145-5410
Temperature, Water	0161-6928
Drawdown, Mean Annual	0145-5429

Water Setting Characteristics

Length of Shoreline	0100-5407
Level, Water Surface	0145-5406
Bottom Type, Shoal, Lake and Reservoir Survey	0161-6856
Bottom Type, Shoal Percent, Lake and Reservoir Survey	0161-6857
Gradient, Channel	0145-5345
Boundary, Climatological Station	0181-8551
Velocity, Average SHS	0161-7117
Velocity, Normal High Water SHS	0161-7157
Riparian, Vegetation Type SHS	0161-7161

WATER SUMMARY (CON'T)

Limiting Factors

Problem, Water Quality to Recreation Use	0142-0712
Problem, Water Quality to Fish and Wildlife Use	0142-0709
Parameter, Water Resource	0145-5316
Value, Water Resource Parameter	0145-5315
Code, Pollution Source	0145-5320
(n)Period of Water Availability	0100-8512
Type, Natural Hazard (water code)	0105-1969
Hazard, Flooding (floodplain)	0141-4557

Soils:

This information is used as tolerance, limitations or information supportive of the land's capability to support an activity.

These soil calculations and overlays are required before the rating area is defined and the adjusted Quality Evaluation is made.

*The format used by the Soil Scientist is adequate for our use.

Soil Inventory Map	S0-4
Physical Properties for Selected Soils	S0-4
Chemical Properties for Selected Soils	S0-5
*Table of Estimated Engineering Properties	S0-6
*Table of Interpretive Ratings for Selected Soils Properties and Qualities	S0-8
*Table of Interpretive Ratings for Soil Users	S0-9
*Erosion Susceptibility Overlay	S0-14
Erosion Susceptibility Tabulation	S0-15
*Fragile Area Overlay	S0-14
*Narrative (Soil Inventory, Erosion Susceptibility, Fragile Area)	S0-17

SOILS (CON'T)

Locative

State, District, Planning Unit	
Rating Area ID, Rating Area Name	
Soil Taxonomic Unit	0141-4683
or	
Soil Name	0141-4648
Soil Series	0141-5722
Soil Phase	0141-4649
Date Collected	0100-6562

Soil Characteristics/Interpretations

Erosion Susceptibility Class	0141-4515
Factors of Root Depth	0142-4758

Present Soil Surface Condition

Acres, Condition	0141-4712
Slight	0141-4669
Moderate	0141-4670
Severe	0141-4671

Soil, Type of Use (coded)

0141-4573

Road Location (R.L.)
 Paths and Trails (P.T.)
 Building Sites (B.S.)
 Septic Tank Absorption (S.T.)
 Sewage Lagoon (S.L.)
 Camp Area (C.A.)
 Landscape Plantings (L.P.)
 Lawns and Fairways (L.F.)
 Picnic Areas (P.A.)
 Play Areas (P.L.)
 (D.R.V. Code to be added to Soils Type of use later)

Limitation, Degree of Soil

Slight	
Moderate	
Severe	
Suitability, Degree of Soil	0141-4657
Class, Permeability (codes 1-7)	0141-4516
Class, Infiltration Rate (codes 1-5)	0141-4516
Hazard, Flooding	0141-4557
Hazard, Compaction Soil (ORV)	0141-4556

SOILS (CON'T)

Raw Soils Data Element From Which Interpretations, In Part, Are Derived

Depth From Surface, Limiting Layer	0141-4546
Percent, Rock Cover	0145-5359
Percent, Slope	0100-3874
Slope, Class	0100-5746
Wetness	0106-1989
Ref. Soil Moisture	0143-5394
Rock Outcrop	0106-1991
Shrink-Swell	0141-4635
Excessive Clay	0106-1992
Ref. Percent Clay	0141-4605
Excessive Sand	0106-1993
Ref. Percent Sand	0141-4617
D.E.'s	0141-4607,4608,4610
Percent Large Rock Ground Cover	0142-753
Percent Small Rock Ground Cover	0142-752
Ref.	0142-750,751

Vegetation;

Vegetative Characteristics/Botanical Features Topics are used in the Botanical Sightseeing, ORV, Collecting Quality Evaluations. "n" means Recreation is not formally attached to the Data Element.

Referenced Outputs:

SIM - Output - Site, Writeup Area Production Summary

SIM - Output - Site Writeup Area Ecological Condition

SIM - Output - Site Writeup Area Apparent Trend

Site Writeup Overlay (old 3272)

Sub-Type Overlay (old 3442)

Location on Unique Species Overlay (old 3440)

Vegetative Condition and Trend (old 3444)

Data for Key and Other Unique Species (contains vegetative hazards, poisonous, etc.)

Average Percentage of Composition of Major Species for Each Vegetation Sub-Type

Vegetative Characteristics

Products, Vegetative	0151-5759
(n) Primary, Story-Dominant Species	0151-5762
Forest Type, Existing Stand (predominant tree species)	0151-5766
Vegetative Sub-type	0132-2706
Classification, Taxonomic Scientific Name (sub-species 0133-3708, Variety 0133-3709, Genus 0133-3706, Species 0133-3707)	
Classification, Taxonomic, Common Name	0133-3711
Habitat Type, Standard	0100-6533
(n) Vegetation, Key Species	0132-2631

Size, Extent, Characteristics

Volume, Forest Products	0151-5871
Percent, Vegetative Species Composition (Ground cover only)	0132-2628
Percent, Vegetative Ground Cover, Weighted Value (over watershed)	0142-4753
(n) Vegetation Trend	0132-2626
(n) Percent, Composition Ground Cover	0161-6512
(n) Percent Vegetation Ground Cover	0134-3824
(n) Percent Crown Closure	0151-5718
Key Species	0134-3825
(n) Forage Density	0161-6511
Population Size, Unique Species	0133-3727
Species, Unique, Population, Dimension (Aerial Extent of Occurrence)	0133-3728
Acres, each Sub-type	0132-2624

Management Information, Limiting Factors, Uniqueness

Category Plants (Key species, Unique Status, Noxious, Poisonous)	0137-4160
Status, Unique Species	0133-3725
Trend, Unique Species	0133-3726
Type, Threat to Unique Species and Site	0133-3729
(n) Toxin Type, Poisonous Plants	
Species, Noxious (classification)	0132-2632
Species, Poisonous (determination)	0133-3720
(n) Poisonous Effect, Nature Of	0132-2645
Tolerance to Soil Compaction, Botanical Feature	0106-2019
Hazard Compaction, Soil (Rating)	0141-4556
Tolerance to Collecting	0106-2017
Tolerance to Crown Removal	0106-2018
Hazard, Regeneration, Planting	0141-4559
Hazard, Imminence of Interfering Condition	0151-5856

Geology

Geologic characteristics are used in Collecting Sightseeing-Scenery Sightseeing-Geological, and for Off-Road Vehicle Use Quality Evaluations. "n" means Recreation is not formally attached to the Data Element.

You will note a list of Geology Characteristics that describe the resource. These are not Data Elements, but are type-features that are coded on the Minerals Geologic Features Overlay. That overlay will be our sole reference unless we find they must be described.

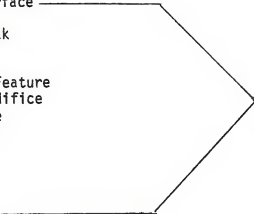
Geologic Maps (URA, Planning Unit)	GO-1
Geologic Hazard Map (URA)(Floodplain)	GO-2
Map of Landforms	GO-3
Map of Interpretive Areas (URA) (Rockhounding materials, fossils)	GO-4
Water Level Contour Map (URA) (Groundwater, Caves, Springs)	GO-10
Topography Overlay (Elevation)	GO-12
Topographic Table (Significant Topographic Points)	GO-13
Narrative of Geology (URA-2)	GO-14
Mineral Geologic Features Overlay	

Locative Information

Boundary, Mineral Occurrence

0111-2364

Geology Characteristics

Landform	0100-5132
Special Feature Name	0100-6509
Hazard, Geologic	0144-5129
Name, Geologic Feature	0111-2407
Name, Mineral	0111-2410
Age, Geologic Mineralization	0111-2379
Commodity, Mineral	0100-2303
Amount, Mineral	0111-2283
Type, Erosion Surface	
Glacial Features	
Kind, Surface Peak	
Type, Fold	
Incised, Feature	
Type, Aggrading Feature	
Type, Volcanic Edifice	
Length of Feature	
Width of Feature	
Depth of Feature	
Mass Wasting	
Area, Feature	
Type, Mountain	
Name of Feature	

Coded Entry: Reference
Minerals Geologic
Features Overlay

Paleontology Inventory List

Example, Representative Feature	0103-2210
Feature, Geologic Surface Agent	0103-2222
Feature, Geologic Subsurface	0103-2221
Feature, Paleontological	0103-2220
Density, Paleontological Feature	0103-2205
Extent, Paleontological Resource	0103-2206
Name, Paleontological Resource	0103-2201
Quality, Paleontological Resource	0103-2201
Type Locality, Paleontological Resource	0103-2204
Type, Paleontological Feature	0103-2055
Uniqueness, Paleontological Resources	0103-2207

Paleontology, Recreation Collecting

Type of Fossil	0106-2136
Quality, Fossil	0106-2137
Quantity, Fossil Locality	0106-2138
Degree of Scarcity of Fossil	0106-2139
Legality of Collection	0106-2140
Name, Fossil	0106-2141

Caves:

Item Number

Cave Number	0103-2230
Cave Name	0103-2231
Photo Number	0100-5713
Overlay	N/A
Legal Location	N/A
Cave, Dominant Rock Type (Geologic Formation)	0103-2234
Altitude/Elevation of Entrance-Needed-Type, Cave (Number of Levels)	0103-2232
Number, Levels in Cave	0103-2233
Dominant Rock Type	0103-2234
Type of Entrance	0103-2236
Number of Entrances	0103-2237
Length of All Known Passages	0103-2153
Pattern of Cave (Trend of Cave Entrance)	0103-2238
Coordinate, UTM	0100-7515
Vertical Relief of Cave	0103-2154
(Water Element) Water, Cave	0103-2239
(Hazards Present) Hazards, Cave (Specialized Skills Required) Cave, Special Skills	0103-2240
Cave Contents	0103-2241
Type of Protection Needed	0103-2242
Type of Protection Provided	0103-2250
Cave Entry Identified	0103-2251
Dual Classification Coding	0103-2155
Content	
Hazard	

RECREATION RESOURCE

Inputs

Quality Evaluation Scoresheet———0601

Quality Evaluation Tolerances/
Limitations and Remarks———0602

(Visitor Use Area Location Data)-----0517



Outputs

0651———Quality Evaluation Overlay

0652———Quality Evaluation Summary

0653———Quality Evaluation Narrative

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0651

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Quality Evaluation Overlay

OUTPUT FORM: Graphic overlay

OUTPUT DESCRIPTION: An overlay showing the raw score of each activity that has been evaluated in a rating area.

USER(s): Outdoor Recreation Planner LOCATION(s):

USAGE: URA Step 3

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: overnight REQUIRED: 1 week

FREQUENCY OF PRODUCTION: Once a year or when a re-evaluation is made

DEPENDENCIES: Update of URA, change in Quality Evaluation due to changes in Tolerance or Limitations to use

REQUEST PARAMETERS: Planning Unit, Resource Area, or District, and Activity

IO-0651

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Quality Evaluation Overlay

SORT ORDER: N/A

ESTIMATED VOLUME: One for each activity (there are 13 activities) per
Planning Unit.
COMPUTATIONS/PROCESSES: None

ACCURACY: Must overlay Base Map

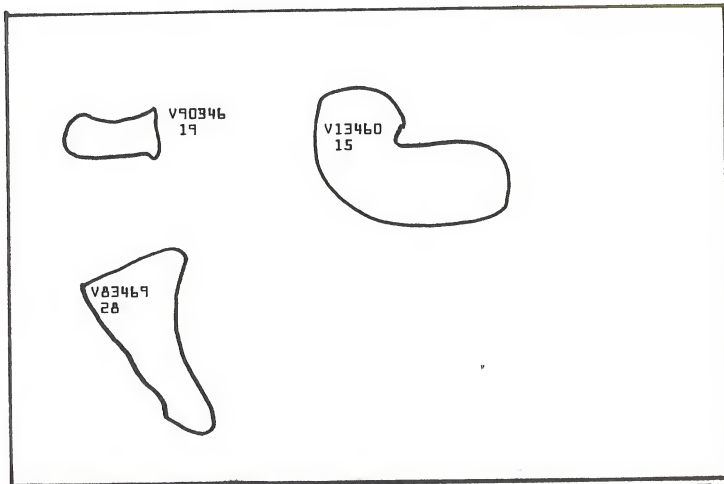
SCALE: Same as Base Map

ANNOTATIONS: Show total score for the area for that particular activity

LEGEND: Show the range of scores for each rating class for that particular activity.

REMARKS: Each overlay will show only one activity. Data contained herein will be augmented by the Quality Evaluation Summary. The Quality Evaluation will be input to the system using the same procedure for input of Visitor Use Rating Areas (See Visitor Use Area Location Data I/O #0518).

10-0651 Quality Evaluation Overlay for Hunting



Quality Class Table

A	Score of 40-25
B	Score of 24-15
C	Score of 14-0

State	02
District	09
R. A.	01
P. U.	06

VXXXXX Where VXXXXX=Rating Area Identifier

NN NN =Quality Score {See Quality Class Table in Legend}

RE-142

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0652

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Quality Evaluation Summary

OUTPUT FORM: Table

OUTPUT DESCRIPTION: A listing of each area that has had a quality evaluation completed. The Activity, Key Factors, and Raw Score will be shown, in addition to the Tolerance Factors and Remarks that are used to develop an Adjustment Factor.

USER(s):

LOCATION(s):

USAGE: URA Step 3

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 1 week

FREQUENCY OF PRODUCTION: Once a year or when a re-evaluation is made.

DEPENDENCIES: Update of URAs, EIS preparation, change in Tolerance or Limitation Information (usually from other program sources, e.g., Endangered Animal or Plant species.)

REQUEST PARAMETERS: Planning Unit, Resource Area or District

IO-0652

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Quality Evaluation Summary

SORT ORDER: Area Identifier

ESTIMATED VOLUME:

COMPUTATIONS/PROCESSES: Total Score, Adjusted Score and Quality Class will be computed.

ACCURACY: N/A

SCALE: N/A

ANNOTATIONS: N/A

LEGEND: N/A

REMARKS: Each table will provide the area name and I.D. number and location of the activity being evaluated. Raw scores will be modified by utilizing tolerances and limitations to obtain an adjustment factor from which an adjusted score and quality class is computed.

RE-144

STATE.....(0100-0004)
 DISTRICT.....(0100-0534)
 RESOURCE AREA..(0100-0418)
 PLANNING UNIT..(0100-1075)

DATE _____

QUALITY EVALUATION SUMMARY

EE-145

AREA ID	AREA NAME	LOCATION	ACTIVITY	KEY FACTORS	RAW SCORE	TOLERANCES LIMITATIONS	AREA REMARKS	ADJUST FACTOR	ADJUST SCORE	QUALITY CLASS
0106-1891)	(0105-1919)	(0100-1695) (0100-1699) (0100-2501)	(0105-1922)	VARIOUS DATA ELEMENTS	COMPUTED	(0106-2009) (0106-2010) (0106-2016) (0106-2017) (0106-2018) (0106-2019) (0106-2024) (0106-2025) et al	(0106-2092)	(0106-2091)	COMPUTED	COMPUTED

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0653

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Quality Evaluation URA Narrative
OUTPUT FORM: Narrative

OUTPUT DESCRIPTION: A summary of points pertinent to high or low ratings that would lead to the development of management opportunities. This narrative applies to the entire Planning Unit and the technique will be used for both the URA-3 and URA-4 narrative.

USER(s): Outdoor Recreation Planner LOCATION(s):

USAGE: URA Step 3

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 1 week

FREQUENCY OF PRODUCTION: Once a year or when a re-evaluation is made.

DEPENDENCIES: URA update

REQUEST PARAMETERS: Planning Unit, Resource Area or District, as appropriate.

IO-0653

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Quality Evaluation URA Narrative

SORT ORDER: N/A

ESTIMATED VOLUME:

COMPUTATIONS/PROCESSES: A text editing process

ACCURACY: N/A

SCALE: N/A

ANNOTATIONS: N/A

LEGEND: N/A

REMARKS: The narrative will be the result of a text editing process that will be maintained in a separate text editing file. It may be requested, scanned and updated as necessary outside the Data Base System. The preparer will scan the data base to determine the pertinent points to be included in the narrative then access the text editing process to prepare the narrative.

Prog. Area: _____
Prep. By: _____
Date: _____

10-0601

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Quality Evaluation Scoresheet

FORM: Coding Sheet - Modified 6110-10

DESCRIPTION: Each recreation use area that has been identified will be evaluated as to the quality of each of the designated activities.

PREPARATION RESPONSIBILITY: The Recreation Planner at the District or Resource Area office will organize a group of raters. The Planner will be responsible for summarizing their ratings onto the form.

FORMAT: A modified version of 6110-10. It could contain the raw scores of each rater, the summed scores or the average scores. In any case, the total score and class can be calculated. Not all the data elements will be taken from this form, e.g., Area Name, since it will already be in the Rating Area record.

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Done in conjunction with URA update.

VOLUME OF UPDATE: Approximately 200 sheets

ARCHIVING REQUIREMENTS: None, as areas are re-rated, the new ratings will replace the old.

ACCESS LIMITATIONS: Update by the Recreation Staff only.

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS:

REMARKS: The completion of this form is based on the precedent definition of the rating area. The area is defined through the Visitor Use Area Description Record. Once described, the quality ratings can be attached by using the same area identifier. The Rating Area described may be a point, line or area.

AREA IDENTIFICATION

The following Data Elements will be used as Locative and Administrative Information for each Quality Evaluation:

State	0100 - 0004
District	0100 - 0534
Planning Unit	0100 - 1075
Data Area Name	0100 - 6600
ID Number Rating Area	0T06 - 1891
Name Rating Area	0106 - 1962
Percent BLM Rating Area	0106 - 1961
Remarks, Quality Evaluation	0106 - 2145
Remarks, Recreation Area	0106 - 2092
Adjustment Factor, Quality Evaluation	0106 - 2091

I. Quality Evaluation Chart:

Sightseeing Zoological Type, Zoological Features	0106-2031
Uniqueness, Zoological Feature	0161-2035
(Extent) Quality, Zoological Features	0106-2033
Curiosity Arousing, Zoological Features	0106-2095
Ease-of-Observation, Zoological Features	0106-2096

2. Quality Evaluation, Hunting

Game Populations (Population, Huntable Game)	0106-2043
Ease-of-Movement, Hunting	0106-2097
Shooting Opportunities	0161-6602

3. Quality Evaluation Chart, Fishing

Water Fluctuation (River)	0145-5410
Water Fluctuation (Lake and Reservoir Survey)	0161-6827
Fish Population	0161-6808
Chance of Success	
Score	

4. Quality Evaluation, Floatboating

(Water Volume) Flow, Normal High Water SHS	0161-7113
Water Character	0106-2098
Derived from: Rapids, Hazard	0106-1985
Velocity, Average	0161-7157
Gradient, Channel	0145-5345

Floatboating (Con't)

Water Quality, Floatboating	0106-2099
Derived from: Parameter, Water Resource	0145-5316
Value, Water Resource Parameter	0145-5315
Problem, Water Quality to Recreation	
Use	0142-0712
Turbidity, Water Quality	0106-1976
(Length) Stream Reach Length	0161-7175
Hazards, Water Body	0106-1982
5. Quality Evaluation Chart: Swimming	
(Water Quality) Contamination, Water Bacteriological	0106-1975
Contamination, Water Chemical	0106-1974
(Water Color and Turbidity) Turbidity, Water Quality	0106-1976
(Hazards) Hazards, Water Body	0106-1982
(Water Temperature) Temperature, Degrees Water Body	0106-1980
Temperature, Water	0161-6928
(Wind) Wind Direction, Seasonal by Geographic Area	0143-3640
Wind Velocity, Seasonal by Geographic Area	0143-3641
(Drop-Off) Water Depth at 100 ft. from Shore Line	0106-1979
Water Depth at 50 ft. from Shore Line	0106-1978
Beach	0106-2104
6. Quality Evaluation Sheet: Powerboating, Water Skiing, Sailing	
(Water Quality) Contamination, Water Bacteriological	0106-1975
Contamination, Water Chemical	0106-1974
(Water Color and Turbidity) Turbidity, Water Quality	0106-1976
(Hazards) Hazards, Water Body	0106-1982

Powerboating, Water Skiing, Sailing, (Con't)

(Size - 5 ft. or more of depth)	Needed
(Wind) Wind direction, Seasonal by Geographic Area	0143-3640
Wind Velocity, Seasonal by Geographic Area	0143-3641
Shape, Water Body	0106-2105

7. Quality Evaluation Chart: Skiing and Snowplay

(Length of Season) Snow Season	0106-2051
(Snow Depth) Snow Depth, Snowplay	0106-2050
(Vertical Rise) Elevation, Highest	0100-7036
Elevation, Lowest	0100-5746
(Steepness) Slope, Class	0100-5746
(Temperature) Temperature, Air, Maximum Daily	0143-5378
(Wind Effect) Wind Direction, Seasonal by Geographic Area	0143-3640
Wind Velocity, Seasonal by Geographic Area	0143-3641

Snowplay Only

Aspect	0100-6523
Uniformity	0106-2143

8. Quality Evaluation: Collecting

Type, Geological Features	0106-2021
Uniqueness, Geological Feature	0106-2023
Minerals, Collectable	0106-2026
Uniqueness, Mineral Product	0106-2029
Uniqueness, Paleontological	0106-2264

Extent, Collectable, to Cover all Collectables 0106-2152

Products, Vegetative 0151-5759)
Volume Forest Products 0151-5871)

Variety, Collectible 0106-2151

Types, Collectable - Vegetative - 0106-2150
Mineral
Fossil

9. Quality Evaluation: Off-Road Vehicle Use

(Type Resource) Soil	0106-2149
Sand	0106-2148
Snow	0106-2147
(Snow) Depth Snow Pack	0145-5737
Snow Season	0106-2051
(Vegetation) Percent Vegetative Species	
Composition	0132-2628
(Size) Acres, Data Unit	0100-6520
(Variety and Challenge)	0106-2146

10. Quality Evaluation: Scenery Viewing

Use VRM classes as defined in VRM Manual and DRD packet. URA 4 Narrative and overlay would identify public use areas where viewing opportunities are not being used.

Reference:

(Land form) Land form	0100-5132
(Color) Color botanical	0106-2013
Color geological	0106-2061
(Water) Water viewing class	0106-2144

11. Quality Evaluation Chart: Geological Sightseeing

(Uniqueness) Uniqueness, geological features	0106-2023
(Extent) Area, Feature	0106-2142
(Curiosity Arousing) Needed	
(Representative Type) Example, representative geological feature	0103-2210
(Color) Color, geological features	0106-2061

12. Quality Evaluation Chart: Sighting - Archeological, Historical, Other Cultural

(Uniqueness) Cultural site significance	0102-2673
Extent, other cultural features	0106-2053
Extent, archeological features	0106-2067
Condition, historical feature	0106-2074
Curiosity Arousing	0106-1988

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0602

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Quality Evaluation Tolerances/Limitations and Remarks

FORM: Coding Sheet

DESCRIPTION: For each quality rating area, data is entered about tolerances, etc., based on a review of data from various other programs, such as Watershed, and the Recreation Planner's personal knowledge.

PREPARATION RESPONSIBILITY: Outdoor Recreation Planner at Resource Area Office

FORMAT: To be developed, but will contain the data elements on the accompanying sheet

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Done in conjunction with URA update

VOLUME OF UPDATE: Approximately 200 sheets

ARCHIVING REQUIREMENTS: None, as areas are re-rated, the new ratings will replace the old

ACCESS LIMITATIONS: Update by the Recreation Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS:

REMARKS: The completion of this form will provide information on tolerance and limitation factors related to the quality evaluations of the various recreation activities and will be used to develop an adjustment factor.

QUALITY EVALUATION TOLERANCE/LIMITATIONS AND REMARKS

State, Administrative	0100-0004
District	0100-0543
Resource Area	0100-0418
Planning Unit	0100-1075
Remarks, Recreation Area	0106-2092
Identifier, Quality Evaluation Area	0106-1891
Tolerance, Snow Compaction	0106-2009
Tolerance of Snow to Displacement	0106-2010
Tolerance to Trampling, Botanical Features	0106-2016
Tolerance to Collecting, Botanical Features	0106-2017
Tolerance to Crown Removal	0106-2018
Tolerance to Soil Compaction, Biological Features	0106-2019
Tolerance to Foot Traffic, Geological Features	0106-2024
Tolerance to Vandalism, Geologic Features	0106-2025
Tolerance to Harvesting, Zoological Features	0106-2038
Tolerance to Harrassment, Zoological Features	0106-2039
Tolerance to Domestication, Zoological Features	0106-2040
Contamination, Water Bacteriological	0106-1975
Contamination, Water Chemical	0106-1974
Turbidity, Water Quality	0106-1976
Edibility of Fish	0106-2047
Hazards, Water Body	0106-1982
Rapids, Hazard	0106-1985
Tolerance, Paleontological Resource	0103-2208
Hazard, Rating	0105-1971

Impact of Automated Cultural Resources Information System
On The Cultural Resources Program

The Cultural Resources Program consists of managing the Cultural Resources under BLM control to avoid inadvertent loss of cultural values while pursuing a multiple resource use management policy. It currently uses a variety of BLM and State cultural resource site forms and different ways of storing the site data, ranging from filing cabinets to different types of ADP equipment and programs.

The proposed system has three basic elements of data gathering:

A. The basic data is recorded on Cultural Resource Identification Records.

1) Site Data Form - On this form is recorded administrative environmental, physical, and reference data to locate, describe and evaluate the site and to make first-level decisions regarding scientific value, site condition and recommendations for preservation/protection of the site.

2) Cultural Component Form - Records and identifies the cultural affiliation attributed to the material culture of the site with a separate component form completed for each cultural affiliation identified at the site.

3) Artifact/Sample Form - Describes each artifact/sample collected from a given site.

4) Isolated Artifact Form - Description of artifact and site locational data for artifacts of singular importance or not associated with one particular site.

5) Graphic Records Form - Will accompany each Cultural Resource Site Map, drawings of important site elements, pictographs, and petroglyphs, and for each isolated artifact recorded.

B. Survey Unit Report - Summarizes the findings of the field survey for each designated parcel which forms a survey sample unit, normally includes cover sheet, site or isolated artifact records, and an artifact/sample inventory list when collections have been made.

C. Need, Potential, and Opportunity Evaluations - These data are developed from inventory documents and are used in a matrix for developing Cultural Resource investigation priorities, e.g., an indication of high need for the Cultural Resource information coupled with a High Potential for data recovery is an indication that this cultural resource site will rate as High Opportunity for Cultural Resource investigation in Bureau planning actions and will be of a corresponding high priority for investigation.

The impact of the proposed ADP program on Cultural Resource Management will be that ultimately the entire Bureau will be using a standardized form for easier, more uniform Cultural Resource information gathering. The gathered information will be more useable in that when delivered to the requestor it will be in a form immediately applicable to the work at hand without additional computation or elaboration by the user. The information will be called for as needed a few times per year for immediate use without the need for storing, filing, and maintaining the data, allowing Cultural Resource personnel more opportunity for professional-level work in other areas.

Initially, the largest problems will be acceptance and utilization of the Cultural Resource Automated Information System. These problems can be eliminated through training, education, and through developmental policy and directives for the program use. Systems design will provide for the security of the data. Because it is not yet excluded from the Freedom of Information Act, Cultural Resource Site locational data is considered a grave responsibility on the shoulders of Bureau Cultural Resource professionals and by the profession itself. Cultural Resource protection laws exist, but except through voluntary compliance through administrative measures by Federal and State governments, no method for effective protection of cultural resources exists. To this end, the profession and the Bureau's Cultural Resource professionals may be reluctant to commit all the information to the automated system which will be needed for it to function properly and effectively.

Every attempt will be made to design input documents that will be easy to fill out in the field yet not require transcription at the responsible BLM office. It is necessary that a comprehensive procedure manual be developed so that contractor personnel will be able to readily utilize the system. Upon completion of the inventory, the team will submit the Site Records and accompanying input forms along with a Survey Unit Report to the responsible BLM office. The Cultural Resource staff, in turn, will quality control the documents prior to submitting them for input to the computer system. It is suggested that a system be set up to submit photos sketch maps and other such source documents to DSC for placement on aperture cards or microfiche. If the resultant microfilm document is headed with the Cultural Site Identification Number, the computer record can easily be associated with the microfilm record. Not only would this facilitate storage of the data, but it would also enable the appropriate staff at the State Office, Denver Service Center and even the Washington Office to have access to the complete Site Record.

CULTURAL RESOURCE

Inputs

Cultural Resource Identification Record— 0201
 Site Data
 Cultural Component Data
 Artifact Sample Form
 Isolated Artifact Form
 Survey Unit Report ————— 0202
 Research Need Rating ————— 0203
 Physical Protection Data ————— 0204
 Antiquity Permit Data ————— 0205

Outputs

C	0251	Physical Protection Facilities Overlay
U	0252	Physical Protection Facilities Table
L	0253	Brief Cultural History
T	0254	Status of Survey (Inventory Status Summary)
U	0255	Status of Survey Overlay
R	0256	Antiquity Permit Status Table
A	0257	Status of Cultural Resource Inventory
L	0258	Significant Cultural Resources
	0259	Cultural Resource Management Summary
R	0260	Cultural Resource Vulnerability Overlay
E	0261	Cultural Survey Density Summary
S	0262	Cultural Survey Estimates
O	0263	Correlation of Functions and Components
U	0264	Diversity of Cultural Components and Functions
R	0265	Discussion of Distribution
C	0266	Cultural Resource Site Incidence Per Acre
E	0267	Existing Site Condition Overlay
	0268	Location of Sites by Strata Overlay
D	0269	Location of Sites by Affiliation Overlay
A	0270	Location of Sites by Function Overlay
T	0271	Affiliation, Function and Inventory Status
A	0272	Incidence of Sites by Environmental Attributes
	0273	Opportunities for Research Table
B	0274	Opportunities for Research Overlay
A	0275	Opportunities to Increase Knowledge by Need
S	0276	Opportunities to Increase Knowledge by Potential
E	0277	Opportunities by Needs and Potential Table
	0278	Preservation/Protection Measures Overlay
	0279	Preservation/Protection Measures Table

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0251

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Physical Protection Facilities, URA -2

OUTPUT FORM: Table.

OUTPUT DESCRIPTION: Lists cultural resource sites with physical protection facilities indicated by one or more symbols from six categories and by ownership.

USER(s): Cultural Resource Staff LOCATION(s): SOs & DOs.
and any other interested BLM users.

USAGE: URA 2, 3, & 4; PAA; AMP; HMP; EAR; ES.

ACCESS LIMITATIONS: None.

RESPONSE TIMES: DESIRED: Overnight. REQUIRED: 3 days.

FREQUENCY OF PRODUCTION: 1 to 4 times per year per district.

DEPENDENCIES: URA 2, AMP, HMP, PAA, EAR, ES

REQUEST PARAMETERS: By PU.

10-0251

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Physical Protection Facilities, URA-2

SORT ORDER: NA

ESTIMATED VOLUME: 1 to 10 tables per district.

COMPUTATIONS/PROCESSES: None.

ACCURACY: NA

SCALE: NA

ANNOTATIONS: NA

LEGEND: NA

REMARKS:

10-0251

Physical Protection Facilities, URA 2

BLM Site Identification Number 0102-2100	Ownership 0102-2049	Structural Stabilization 0102-2093	Surface Stabilization 0102-2093	Fencing 0102-2093	Signing 0102-2093	Barrier 0102-2093	Electronic Surveillance 0102-2093
RE-164 AR511279 AR511113 AR511223 AR51161 AR51112 AR51552 HS5169				X			
				X			
				X			
			X		X		
			X		X		
			X			X	
						X	X

Prog. Area: _____
Prep. By: _____
Date: _____

10-0252

OUTPUT DESCRIPTION

Page 1 of 2

OUTPUT TITLE: URA Step 2, Physical Protection Facilities

OUTPUT FORM: Graphic Overlay.

OUTPUT DESCRIPTION: Shows cultural resource sites with physical protection facilities indicated by one or more symbols from six categories (see remarks).

USER(s): Cultural Resources Staff and any other interested BLM users. LOCATION(s): SO; DO.

USAGE: URA 2, 3, & 4; Planning Area analysis, Allotment Management plan, Habitat Management Plan, EAR, ES.

ACCESS LIMITATIONS: None.

RESPONSE TIMES: DESIRED: Overnight. REQUIRED: 3 days.

FREQUENCY OF PRODUCTION: 1 to 4 times per year per district.

DEPENDENCIES: URA 2, AMP, HMP, PAA, EAR, ES.

REQUEST PARAMETERS: By PU.

OUTPUT TITLE: URA Step 2, Physical Protection Facilities

SORT ORDER: NA

ESTIMATED VOLUME: 1 to 5 overlays per district.

COMPUTATIONS/PROCESSES: None.

ACCURACY: Must overlay base maps.

SCALE:

ANNOTATIONS: Differentiate between six protection facilities categories
(see Remarks).

LEGEND: Show symbols for each type of physical protection facility and the
locations of cultural resources sites with physical protection facilities.

REMARKS: Types of Physical Protection Facilities:

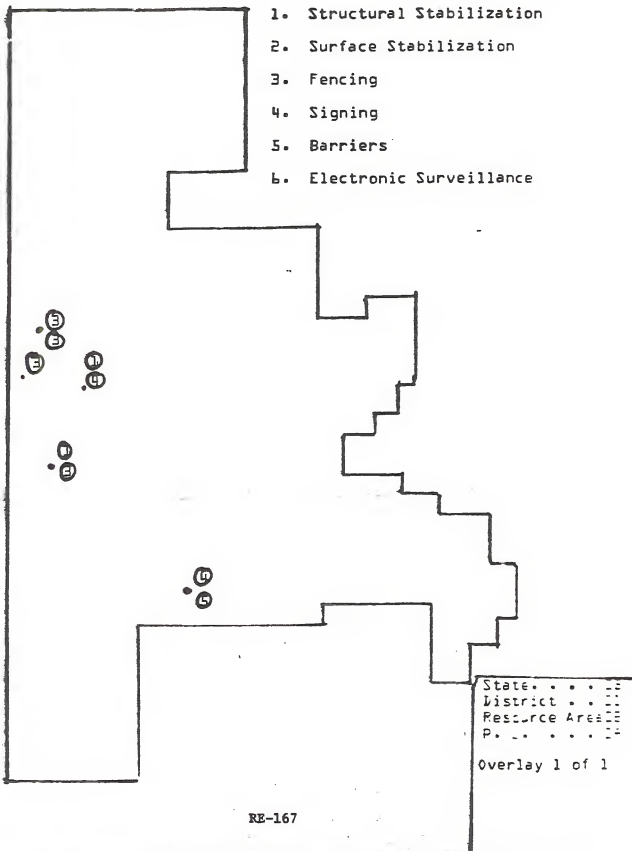
- 1) Structural Stabilization
- 2) Surface Stabilization
- 3) Fencing
- 4) Signing
- 5) Barriers
- 6) Electronic Surveillance

URA STEP 2

Physical Profile Physical Protection Facilities

10-0252

1. Structural Stabilization
2. Surface Stabilization
3. Fencing
4. Signing
5. Barriers
- b. Electronic Surveillance



RE-167

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0253

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Brief Cultural History

OUTPUT FORM: Narrative

OUTPUT DESCRIPTION: A brief cultural history which includes time, space, form, culture process studies and culture systematics. Approx. 200 words.

USER(s): Cultural Resource Staff LOCATION(s): State, District,
Resource Area

USAGE: Class I-III, URA 2-4, MFP-1.

ACCESS LIMITATIONS: Cultural resource staff only

RESPONSE TIMES: DESIRED: overnight REQUIRED: 3 days

FREQUENCY OF PRODUCTION: one to four times per year per district

DEPENDENCIES: Class I production

REQUEST PARAMETERS: by district

IO-0253

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Brief Cultural History

SORT ORDER: NA

ESTIMATED VOLUME: yearly

COMPUTATIONS/PROCESSES: none

ACCURACY: NA

SCALE:

ANNOTATIONS:

LEGEND:

REMARKS: Derived from HUON. The archeological/historical background of a study area. It serves as a guide for future research and planning.

RE-169

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0254

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Status of Survey, Periodic Inventory Status Summary, Table

OUTPUT FORM: Table

OUTPUT DESCRIPTION: A summary inventory status by the variables, administrative unit and program activities

USER(s): Cultural Resource Staff LOCATION(s): State, District,
Resource Area

USAGE: on going, could be used for any planning or budget document

ACCESS LIMITATIONS: Cultural Resource staff only

RESPONSE TIMES: DESIRED: 3 days REQUIRED: 1 week

FREQUENCY OF PRODUCTION: 1 to 10 times per year per district

DEPENDENCIES: URA-MFP production; certain planning actions; compliance actions; research proposals; environmental document production

REQUEST PARAMETERS: by District

IO-0254

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Status of Survey, Periodic Inventory Status Summary Table

SORT ORDER: NA

ESTIMATED VOLUME: one

COMPUTATIONS/PROCESSES: Each data element is totaled by Planning
Unit, Program activity and institution completing inventory.

ACCURACY: NA

SCALE:

ANNOTATIONS:

LEGEND:

REMARKS:

District XXXX
State 0100
National 0004

INVENTORY STATUS BY:

ADMINISTRATIVE UNIT
0102 2086 0102 2184 0102 2193 0102 2181 2100 0102 2113

	# Reports & Actions		# Acres		% of Recon-naisance		# Sites		% of Wasted	
	RP	TTD	RP	TTD	RP	TTD	RP	TTD	RP	TTD
0100 1075										
PU										
PU										
PU										
PU										
PU										
PU										
PU										
PU										
PU										
District										

PROGRAM ACTIVITIES

0102 2184 0102 2193 0102 2181 0102 2178 0102 2156 0102 2113

	# Actions		# Acres		# Recon-naisance		BLM Costs		Non-BLM Costs		# Sites Wasted	
	RP	TTD	RP	TTD	RP	TTD	RP	TTD	RP	TTD	RP	TTD
0100 0006												
3211												
1212												
1220												
1240												
1260												
1280												
1285												
8100												
1211/1212												
/												
/												
/												
/												
TOTAL												
ALL												
ACTIVITIES												

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0254

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Status of Survey Overlay

OUTPUT FORM: Graphic Overlay.

OUTPUT DESCRIPTION: Shows the areas that have been covered by Class I, Class II, and Class III surveys within the designated area.

USER(s): Cultural Resource Staff. LOCATION(s): District Office
State Office

USAGE: URA 3 & 4, planning area analysis, and to respond to other user initiated actions such as request for access or power line ROW requests.

ACCESS LIMITATIONS: None.

RESPONSE TIMES: DESIRED: Overnight. REQUIRED: 1 week.

FREQUENCY OF PRODUCTION: 1 to 6 times per year per district.

DEPENDENCIES: URA production, planning in general, project specific clearances, and emergency action.

REQUEST PARAMETERS: By various areal parameters, by inventory class.

IO-0254

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Status of Survey Overlay

SORT ORDER: NA

ESTIMATED VOLUME: 1 to 20 overlays per district.

COMPUTATIONS/PROCESSES: None.

ACCURACY: Must overlay base maps.

SCALE:

ANNOTATIONS: Differentiate between Class I, Class II, and Class III surveys.

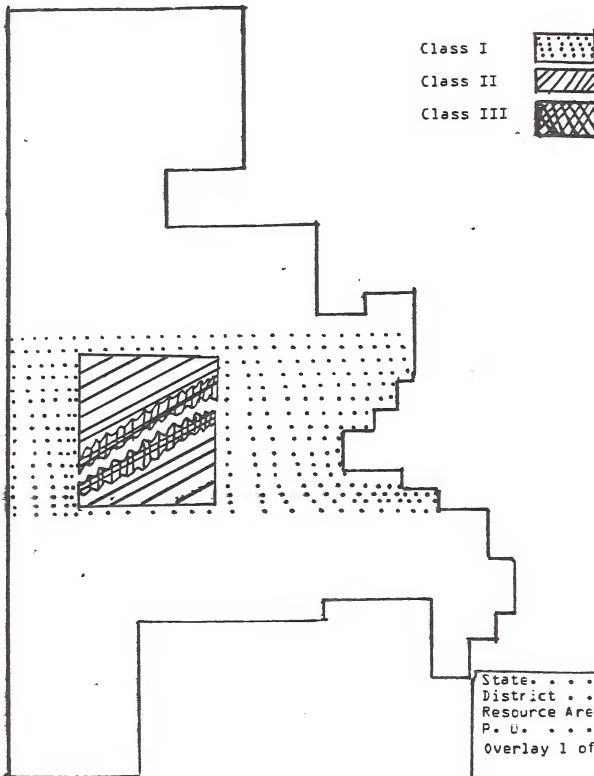
LEGEND: Show symbology of Class I, Class II, and Class III overlays and area covered.

REMARKS: Land status, i.e., private, public domain, Other Federal, State and local governments, must also be shown.

URA STEP 3

Status of Cultural Resource Inventory

IO-0255



Class I



Class II



Class III



State 15
District 11
Resource Area 12
P. U. 18
Overlay 1 of 3

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0256

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Antiquity Permit Status Record

OUTPUT FORM: Table - URA 3.

OUTPUT DESCRIPTION: Table for tracking cultural resource research on BLM lands.

USER(s): Cultural Resource Staff. LOCATION(s): SO; DO.

USAGE: When reviewing Cultural Resource Research Permit application
AWP, MFP.

ACCESS LIMITATIONS: Cultural Resource Staff only.

RESPONSE TIMES: DESIRED: 4 hours. REQUIRED: Overnight

FREQUENCY OF PRODUCTION: Monthly on a regular basis.

DEPENDENCIES: Cultural Resource Research Requests, AWP, MFP, other
planning documents.

REQUEST PARAMETERS: Per district.

10-0256

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Antiquity Permit Status Record

SORT ORDER: NA

ESTIMATED VOLUME: 1 to 5 per district per month.

COMPUTATIONS/PROCESSES: NA

ACCURACY: NA

SCALE: NA

ANNOTATIONS: NA

LEGEND: NA

REMARKS:

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0257

OUTPUT DESCRIPTION

Page 1 of 2

OUTPUT TITLE: Status of Cultural Resource Inventory

OUTPUT FORM: Graphic overlay.

OUTPUT DESCRIPTION: Indicates the location completely documented and incompletely documented cultural resource sites.

USER(s): Cultural Resource Staff LOCATION(s): SO; DO; Resource Area.

USAGE: URA 3 & 4, Cultural Resource Staff input to other planning documents such as AMP, HMP, PAA; environmental documents such as EAR, ES, and in response to other user initiated actions, BLM permitted actions, and other discretionary and non-discretionary actions.

ACCESS LIMITATIONS: Cultural Resource Staff only.

RESPONSE TIMES: DESIRED: 30 seconds. REQUIRED: Overnight.

FREQUENCY OF PRODUCTION: 1 to 20 times per year per district.

DEPENDENCIES: URA-MFP production, certain planning actions, compliance actions, project specific clearances, emergency actions, and environmental document production.

REQUEST PARAMETERS: By PU.

IO-0257

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Status of Cultural Resources Inventory

SORT ORDER: NA

ESTIMATED VOLUME: 1 to 5 overlays per district.

COMPUTATIONS/PROCESSES: None.

ACCURACY: Must overlay base maps.

SCALE:

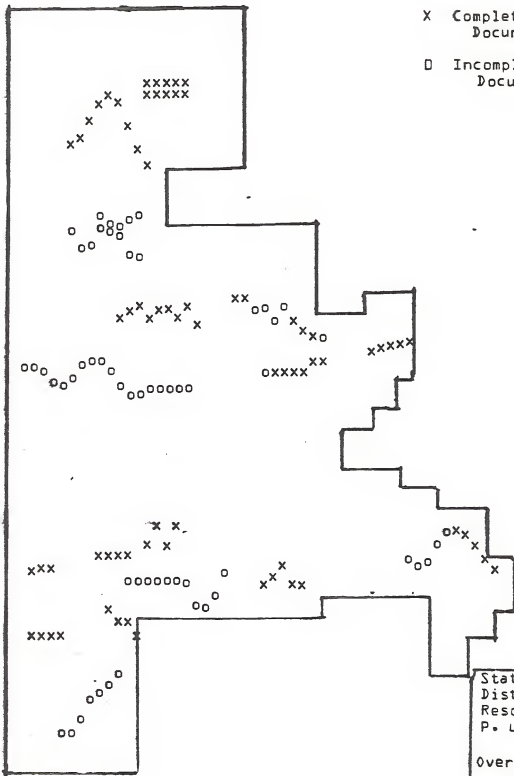
ANNOTATIONS: Must differentiate between completely or incompletely documented sites.

LEGEND: Show symbology for completely documented and incompletely documented overlays and the locations of the cultural resource sites.

REMARKS:

IO-0257

- X Completely Documented Site
- D Incompletely Documented Site



State	5
District	11
Resource Area	11
P. U.	11

Overlay 1 of 1

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0258

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Significant Cultural Resources

OUTPUT FORM: Graphic Overlay

OUTPUT DESCRIPTION: Overlay portrays location of Cultural Resources Sites on the National Register or eligible for inclusion on National Register and other sites of S1 value which have not been nominated.

USER(s): Cultural Resource Staff LOCATION(s): State, District

USAGE: URA/MFP, Cultural Resource Input to Planning Document, AWP, EAR/ES

ACCESS LIMITATIONS: Cultural Resource Staff Only

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 2 days

FREQUENCY OF PRODUCTION: On demand, not more than once every 6 months

DEPENDENCIES: Demands for updating information

REQUEST PARAMETERS: Planning Unit

IO-0258

OUTPUT DESCRIPTION

Page 2 of 2

OUTPUT TITLE: Significant Cultural Resources

SORT ORDER: N/A

ESTIMATED VOLUME: One overlay each time requested by District

COMPUTATIONS/PROCESSES: None

ACCURACY: Must overlay Base Map

SCALE: Same as Base Map

ANNOTATIONS: N/A

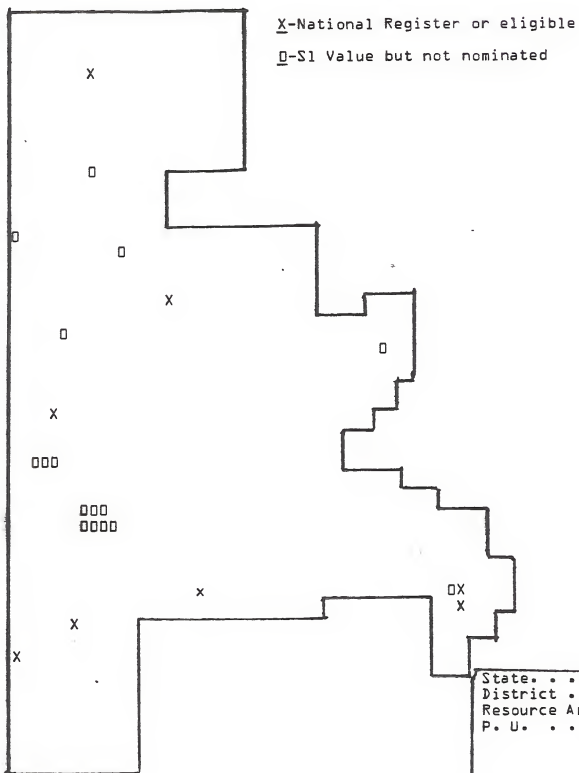
LEGEND: Different notations for Cultural Resource Sites which are already on National Register or are eligible for inclusion and for SI evaluated sites which have not yet been nominated.

REMARKS:

RE-184

Significant Cultural Resource Sites

IO-0258



State 05
District . . . 01
Resource Area 02
P. U. 08

RE-185

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0259

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Cultural Resource Management Summary

OUTPUT FORM: Table.

OUTPUT DESCRIPTION: Table shows administrative and management data on Cultural Resource Sites identified by ownership, site documentation, site function, site condition, evaluation, and management attributes of the site.

USER(s): Cultural Resource Staff. LOCATION(s): SO; BO; Resource Area.

USAGE: URA 4, MFP 1, PAA, Research, Proposals, AWP, National Register Nomination

ACCESS LIMITATIONS: Cultural Resource Staff only.

RESPONSE TIMES: DESIRED: 4 hours. REQUIRED: Overnight.

FREQUENCY OF PRODUCTION: 1 to 20 times per year.

DEPENDENCIES: URA/MFP, PAA, Other planning documents, research, environmental documents, compliance actions.

REQUEST PARAMETERS: PU.

IO-0259

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Cultural Resource Management Data

SORT ORDER: NA

ESTIMATED VOLUME: 1 to 20 per district per year.

COMPUTATIONS/PROCESSES: None.

ACCURACY: NA

SCALE: NA

ANNOTATIONS: NA

LEGEND: NA

REMARKS:

State: 0100 0004
 District: 0100 0543
 Planning Unit: 0100 1075

IO-0259

CULTURAL RESOURCE MANAGEMENT SUMMARY

Report Date _____

Site ID.	Ownership	Cultural Affiliation	Documentation Status	Function	Site Condition	Source of Deterioration	Evaluation Rating	Management Attributes	
								Research Potential	Protection
0102-2100 RE-188	0102-2049	0102-2248	0102-2102	0102-2158	0102-2113	0102-2127	0102-2249	0102-2106	0102-2159

1. Current occupancy and domestic construction.
2. Recent agricultural development.
3. Rights-of-way construction and use.
4. Mineral exploration or development.
5. Revegetation projects.
6. Range facilities construction or use, including damage by livestock.
7. Timber harvesting.
8. Timber improvement.
9. Fire.
10. Fire control or rehabilitation.
11. Watershed improvement projects.
12. Recreation facilities construction.
13. Off-road vehicle use.
14. Other recreation use.
15. Wildlife improvement projects.
16. Wildlife use.
17. Vandalism.
18. Head cut or bank erosion.
19. Surface erosion.

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0260

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Cultural Resource Site Vulnerability by Impact Generating Action

OUTPUT FORM: Graphic Overlay

OUTPUT DESCRIPTION: Displays vulnerability of cultural resource sites and areas of cultural resource site concentration by their susceptibility to damage by certain Resource Use Actions.

USER(s): Cultural Resource Staff LOCATION(s): State, District, Resource Area

USAGE: URA 3, URA 4, MFP 1, PAA, ES, EAR, other Planning documents

ACCESS LIMITATIONS: Cultural Resource Staff only

RESPONSE TIMES: DESIRED: 2 hours REQUIRED: overnight

FREQUENCY OF PRODUCTION: Some or all of these overlays could be requested from one to ten times per year per District

DEPENDENCIES: URA-MFP, other planning documents, AMP, HMP, environmental, clearance, compliance documents and Information Requests from other agencies

REQUEST PARAMETERS: Planning Unit

IO-0260

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Cultural Resource Site Vulnerability by Impact Generating Action

SORT ORDER: N/A

ESTIMATED VOLUME: 4 overlays per Planning Unit per District

COMPUTATIONS/PROCESSES: None

ACCURACY: Must overlay base maps

SCALE: Same as base maps

ANNOTATIONS: Series of 4 overlays per Planning Unit corresponding to 4 major types of BLM Management Action: 1) Resource Use; 2) Administratively Initiated; 3) Recreation Use Initiated; and 4) Natural Actions

LEGEND: Twenty-one Item Code divided into four types of use actions; see codes displayed in dictionary

REMARKS: Vulnerability values determined by Cultural Resource Specialist only, from site forms or other inventory/evaluation documents. The 4 overlays show 4 different groups of impact-initiating actions.

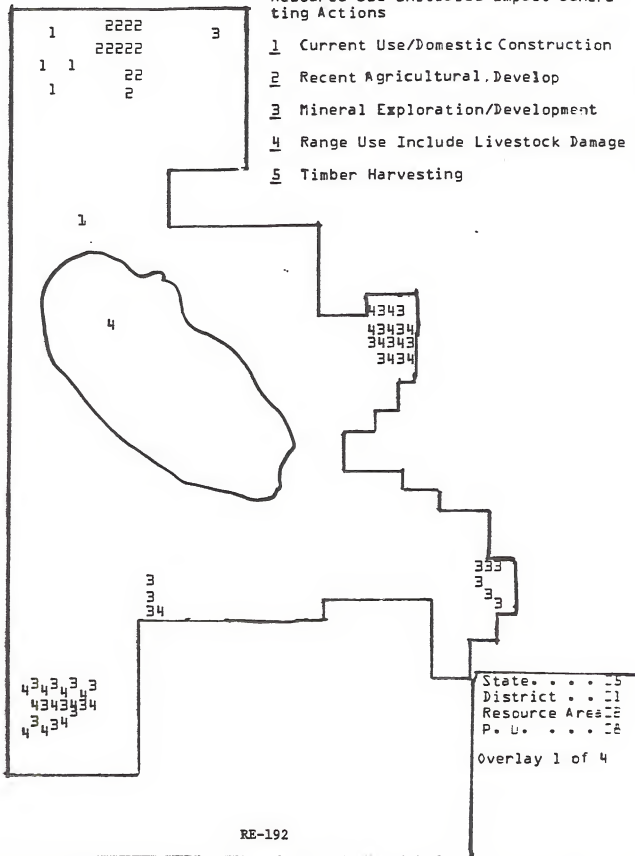
URA STEP 3

Cultural Resource Site Vulnerability by Action

IO-0260

Resource Use Initialed Impact Generating Actions

- 1 Current Use/Domestic Construction
- 2 Recent Agricultural Develop
- 3 Mineral Exploration/Development
- 4 Range Use Include Livestock Damage
- 5 Timber Harvesting



STATE _____ 0100 0004
 DISTRICT _____ 0100 0534
 PLANNING UNIT _____ 0100 1075

IO-0260

Cultural Resource Site Vulnerability Table

Responsible Actions		Vulnerability Index			
Resources Impact Generated Actions		High	Medium	Low	Unknown
Current Occupancy/Domestic Const.	1				
Recent Agricultural Development	2				
Mineral Exploration and Development	3				
Range Use, Including Damage by Livestock	4				
Timber Harvesting	5				
Admin. Impact Generating Actions					
Rights-of-way, Const., and Use	6				
Revegetation Projects	7				
Range Facilities Construction	8				
Timber Improvements	9				
Fire Control and Rehabilitation	10				
Watershed Improvement	11				
Recreation Facilities Construction	12				
Wildlife Improvement Projects	13				
Recreation Impact Generating Action					
Recreation Facilities Use	14				
ORV Use	15				
Other Recreation Use	16				
Vandalism	17				
Natural Impact Generating Actions					
Fire	18				
Wildlife Use	19				
Head Cutting or Bank Erosion	20				
Surface Erosion	21				

0102 2094

0102 2162
 (Count of sites with these rating
 for the indicated action)

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0261

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Cultural Survey Density Estimates

OUTPUT FORM: Tables (attached)

OUTPUT DESCRIPTION: Computer manipulation of data from the Class II surveys
site record

USER(s): Cultural Resources Staff LOCATION(s): SO; DO

USAGE: For URA predictions of cultural site occurrence and type

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: 3 days REQUIRED: 1 week

FREQUENCY OF PRODUCTION: one to four times per year per district

DEPENDENCIES: URA or URA update

REQUEST PARAMETERS: by PU

OUTPUT TITLE: Cultural Survey Density Estimates

SORT ORDER:

ESTIMATED VOLUME: two of each per district

COMPUTATIONS/PROCESSES: computes confidence levels of survey estimate, computes χ^2 for function by function by component, computes diversity of site.

ACCURACY: None

SCALE: These computations will indicate site density, survey

ANNOTATIONS: These computations will indicate site density survey estimates, chi-square for functions and components and a diversity index for number of functions by each component.

LEGEND: None

REMARKS:

10-0261

CULTURAL SURVEY DENSITY ESTIMATES

STATE _____
 DISTRICT _____
 PLU _____

Date _____

Stratum: _____ Density: (Sites per acre) _____

NUMBER OF SITES

Project Size In Acres

	1	2	10	20	40	80	160	320	480	640
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
10-										

RE-196

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0262

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Cultural Survey Estimates

OUTPUT FORM: Tables (attached)

OUTPUT DESCRIPTION: Computer manipulation of data from the Class II surveys site record

USER(s): Cultural Resources Staff LOCATION(s): SO; DO

USAGE: For URA predictions of cultural site occurrence and type

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: 3 days REQUIRED: 1 week

FREQUENCY OF PRODUCTION: one to four times per year per district

DEPENDENCIES: URA or URA update

REQUEST PARAMETERS: by PU and Stratum.

10-0262

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Cultural Survey Estimates

SORT ORDER:

ESTIMATED VOLUME: two of each per district

COMPUTATIONS/PROCESSES:

Computes confidence levels of survey estimate and mean number of sites per unit per stratum.

ACCURACY: None

SCALE:

ANNOTATIONS: These computations will indicate site density survey estimates, chi-square for functions and components and a diversity index for number of functions by each component.

LEGEND: None

REMARKS:

10-0262

CULTURAL SURVEY ESTIMATES

STATE _____ 0100 0004
 DISTRICT _____ 0100 0534
 PLU _____ 0100 1075

DATE _____

Sample Unit	Location	Stratum A	Stratum B	Stratum C	Stratum D	Stratum E	Total for Unit
CS 001 0102 2247	TIN RIW 0100 1695 0100 1699	4	2	10	1	5	22
RE-199		Total Sites Stratum A	Total Sites Stratum B	Total Sites Stratum C	Total Sites Stratum D	Total Sites Stratum E	Total Sites Sampled
		Mean # Sites per unit per Stratum	Mean # Sites per unit per Stratum	Mean # Sites per unit per Stratum	Mean # Sites per unit per Stratum	Mean # Sites per unit per Stratum	Mean # Sites per unit for entire Pop.
Total number of sample units X factor = Pop. of sample units	estimate total number of sites	x factor total sites per stratum					

X ± 95%
 Confidence
 Interval
 of sites
 in a
 sample
 unit

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0263

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Correlation of Functions With Other Functions and With
Components
OUTPUT FORM: Tables (attached)

OUTPUT DESCRIPTION: Computer manipulation of data from the Class II surveys
site record

USER(s): Cultural Resources Staff LOCATION(s): SO; DO

USAGE: For URA predictions of cultural site occurrence and type

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: 3 days REQUIRED: 1 week

FREQUENCY OF PRODUCTION: one to four times per year per district

DEPENDENCIES: URA or URA update

REQUEST PARAMETERS: by PU

10-0263

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Correlation of Functions With Other Functions and With Components

SORT ORDER:

ESTIMATED VOLUME: two of each per district

COMPUTATIONS/PROCESSES: Computes correlations between functions and computes correlations between components and functions.

ACCURACY: None

SCALE: These computations will indicate site density, survey

ANNOTATIONS: These computations will indicate site density survey estimates, chi-square for functions and components and a diversity index for number of functions by each component.

LEGEND: None

REMARKS:

IO-0263

CORRELATION OF FUNCTIONS WITH OTHER FUNCTIONS AND WITH COMPONENTS

STATE _____ 0100 0004
 DISTRICT _____ 0100 0534
 PLU _____ 0100 1075

STRATUM _____

0102 2245	BASE CAMP	KILL SITE	PITFALL	BURIALS	WORKSHOPS	STORAGE	PALEO	ARCH	PUEBLO	0102 2128
Base Camp	.38	.01	.23	.78	.60					
Kill Site	.43									
Pitfall										
Burials										
Workshops										

RE-202

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0264

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Diversity of Cultural Components and Functions

OUTPUT FORM: Tables (attached)

OUTPUT DESCRIPTION: Computer manipulation of data from the Class II surveys
site record

USER(s): Cultural Resources Staff LOCATION(s): SO; DO

USAGE: For URA predictions of cultural site occurrence and type

ACCESS LIMITATIONS: None

RESPONSE TIMES: DESIRED: 3 days REQUIRED: 1 week

FREQUENCY OF PRODUCTION: one to four times per year per district

DEPENDENCIES: URA or URA update

REQUEST PARAMETERS: by PU

IO-0264

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Diversity of Cultural Components and Functions

SORT ORDER:

ESTIMATED VOLUME: two of each per district

COMPUTATIONS/PROCESSES: computes confidence levels of survey estimate,
computes χ^2 for function by function by component, computes diversity of
site.

ACCURACY: None

SCALE:

ANNOTATIONS: These computations will indicate site density survey estimates,
chi-square for functions and components and a diversity index for number of
functions by each component.

LEGEND: None

REMARKS:

10-0264

DIVERSITY OF CULTURAL COMPONENTS AND FUNCTIONS

DATE _____

STATE _____ 0100 0004
 DISTRICT _____ 0100 0534
 PLANNING _____ 0100 1075

0102
 2128

0102 2245

0102 2180

STRATUM	COMPONENT	OCCURRENCES	NUMBER OF OCCURRENCES OF THE FUNCTION										DIVERSITY INDEX FOR FUNCTIONS	
			Base Camp	Kill Site										
A	Paleo	10	4	1										
	Arch	7	3	1										
	Pueblo	13	5	6										
DIVERSITY INDEX FOR STRATUM = .34														
B	Arch	1	0	0										
	Pueblo	12	3	1										

RE-205

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0265

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Discussion of Distribution

OUTPUT FORM: Narrative

OUTPUT DESCRIPTION: Will be a narrative of approx. 500 words which describes site distribution or disposition over the land within a Planning Unit or District, e.g., where the cultural resources are most probably located.

USER(s): Cultural Resource Staff LOCATION(s): State, District,
Resource Area

USAGE: URA IV, MFP 1-2

ACCESS LIMITATIONS: Cultural Resource Staff only

RESPONSE TIMES: DESIRED: 3 days REQUIRED: 1 week

FREQUENCY OF PRODUCTION: once

DEPENDENCIES: yearly update

REQUEST PARAMETERS: by District, by Planning Unit

IO-0265

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Discussion of Distribution

SORT ORDER: NA

ESTIMATED VOLUME: one

COMPUTATIONS/PROCESSES: none

ACCURACY: NA

SCALE:

ANNOTATIONS:

LEGEND:

REMARKS:

RE-207

Prog. Area: _____
Prep. By: _____
Date: _____

10-0266

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Cultural Resource Site Incidence Per Acre (Density)

OUTPUT FORM: Graphic Overlay.

OUTPUT DESCRIPTION: Shows incidence of Cultural Resource Sites per acre in areas which have been inventoried.

USER(s): Cultural Resource Staff LOCATION(s): State, District,
Resource Area.

USAGE: URA 3, URA 4, MFP 1, MFP 2. Other planning and environmental documents and research proposals.

ACCESS LIMITATIONS: Cultural Resource Staff Only.

RESPONSE TIMES: DESIRED: 4 hours. REQUIRED: Overnight.

FREQUENCY OF PRODUCTION: One to ten times per year per District.

DEPENDENCIES: URA-MFP production; certain planning actions; compliance actions; research proposals; environmental document production.

REQUEST PARAMETERS: By Planning Unit.

RE-208

10-0266

OUTPUT DESCRIPTION

Page 2 of 2

OUTPUT TITLE: Cultural Resource Site Incidence Per Acre (Density)

SORT ORDER: NA

ESTIMATED VOLUME: One to 20 overlays per Planning Unit.

COMPUTATIONS/PROCESSES: None.

ACCURACY: Must Overlay Base Map.

SCALE:

ANNOTATIONS: Incidence of Cultural Resource Sites per acre (1 to 10) as shown on accompanying overlay illustration.

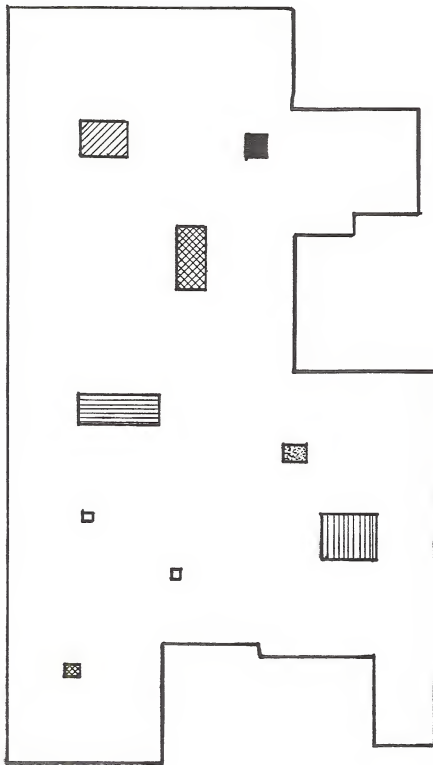
LEGEND: Shows 10 density values for number of sites per acre.

REMARKS: Sites per acre can be shown on a variable number of overlays for areas that have been heavily inventoried and/or have produced a high number of total sites.

RE-209

Cultural Resource Sites - Incidence per Acre

IO-0266



-  1
-  2
-  3
-  4
-  5
-  6
-  7
-  8
-  9
-  10

State	47
District	06
Resource Area	02
Planning Unit	01

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0267

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Cultural Resource Existing Site Condition

OUTPUT FORM: Graphic Overlay

OUTPUT DESCRIPTION: Portrays existing condition of Cultural Resource Sites
in the Planning Unit.

USER(s): Cultural Resource Staff LOCATION(s): State, District, Resource
Area, Planning Unit.

USAGE: URA 3, URA 4, MFP 1, PAA, Environmental Compliance Documents, AMP, HMP,
other Planning Documents

ACCESS LIMITATIONS: Cultural Resource Staff Only

RESPONSE TIMES: DESIRED: 2 hours REQUIRED: overnight

FREQUENCY OF PRODUCTION: One to four times per District per month.

DEPENDENCIES: URA 3, URA 4, Environmental Documents, Compliance documents,
Use permit clearances

REQUEST PARAMETERS: Planning Unit

IO-0267

OUTPUT DESCRIPTION

Page 2 of 2

OUTPUT TITLE: Cultural Resource Existing Site Condition

SORT ORDER: N/A

ESTIMATED VOLUME: 1 to 4 overlays per Planning Unit in each District

COMPUTATIONS/PROCESSES: None

ACCURACY: Must overlay base maps

SCALE: Same as base maps

ANNOTATIONS: One overlay per condition indicator for each planning unit unless low site density or inventory levels allow more than one site condition indicator to be used without impairing legibility.

LEGEND: 1 - Excellent
2 - Good
3 - Poor
4 - Destroyed

REMARKS:

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0268

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Location of Cultural Resource Sites by Strata

OUTPUT FORM: Graphic Overlay.

OUTPUT DESCRIPTION: Shows incidence of Cultural Resource Sites by their location in various strata; for example, elevation or soils association or vegetation type or proximity to permanent water.

USER(s): Cultural Resource Staff. LOCATION(s): SO; DO; Resource Area.

USAGE: URA 3; URA 4; MFP 1; other planning and environmental documents.

ACCESS LIMITATIONS: Cultural Resource Staff Only.

RESPONSE TIMES: DESIRED: 10 minutes. REQUIRED: Overnight.

FREQUENCY OF PRODUCTION: One to four times per year per District.

DEPENDENCIES: URA-MFP production, certain planning actions, compliance actions, research proposals, environmental document production.

REQUEST PARAMETERS: By PU.

RE-214

IO-0268

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Location of Cultural Resource Sites by Strata

SORT ORDER: NA

ESTIMATED VOLUME: One to 20 overlays per PU.

COMPUTATIONS/PROCESSES: None.

ACCURACY: Must overlay base maps.

SCALE:

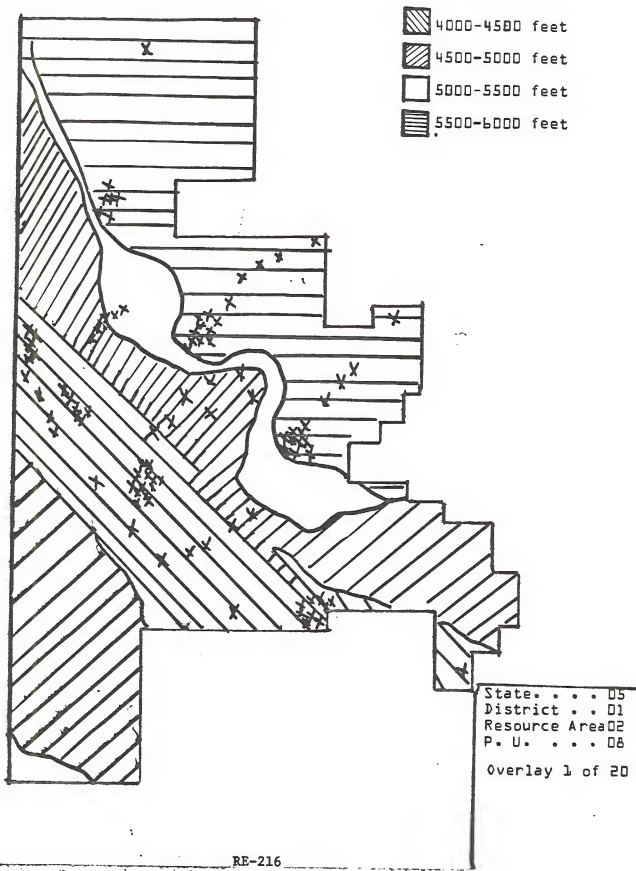
ANNOTATIONS: Code(s) for strata identification.

LEGEND: Shows correlation of between cultural resource sites with 500 foot
elevational strata in the PU.

REMARKS: One overlay for each stratum identified in the PU.
The overlay is the Base Data for the output "prediction" of location
of Cultural Resource sites.

10-0268

Cultural Resource Site Location By Strata



Prog. Area: _____
Prep. By: _____
Date: _____

IO-0269

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Cultural Resource Site Locations by Affiliation

OUTPUT FORM: Graphic Overlay.

OUTPUT DESCRIPTION: Show incidence of cultural resource sites by affiliation of the cultural unit arrayed.

USER(s): Cultural Resource Staff. LOCATION(s): SO; DO; Resource Area Offices.

USAGE: URA 3 & 4; MFP 1; Other planning documents.

ACCESS LIMITATIONS: Cultural Resource Staff only.

RESPONSE TIMES: DESIRED: 10 minutes. REQUIRED: Overnight.

FREQUENCY OF PRODUCTION: 1 to 7 times per year per district.

DEPENDENCIES: URA-MFP production, certain planning actions, compliance actions, research proposals, environmental document production.

REQUEST PARAMETERS: By PU.

RE-217

IO-0269

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Cultural Resource Site Locations by Affiliation

SORT ORDER: NA

ESTIMATED VOLUME: 1 to 16 overlays per PU.

COMPUTATIONS/PROCESSES: None.

ACCURACY: Must overlay base maps.

SCALE:

ANNOTATIONS: Code for Cultural Affiliation.

LEGEND: Show the meaning of the symbol for the affiliation shown on the overlay. Total overlays will vary by PU according to cultural diversity present in each.

REMARKS: One overlay for each affiliation identified in the PU.

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0270

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Cultural Resource Site Locations By Functions

OUTPUT FORM: Graphic Overlay.

OUTPUT DESCRIPTION: Shows incidence of cultural resource sites by function(s)
attributed to the cultural resource site(s).

USER(s): Cultural Resource Staff. LOCATION(s): SO; DO; Resource area.

USAGE: URA 3 & 4; MFP 1; Other planning documents.

ACCESS LIMITATIONS: Cultural Resource Staff only.

RESPONSE TIMES: DESIRED: 10 minutes. REQUIRED: Overnight.

FREQUENCY OF PRODUCTION: One to seven times per year per district.

DEPENDENCIES: URA-MFP production, certain planning actions, compliance actions,
research proposals, environmental document production.

REQUEST PARAMETERS: By PU.

IO-0270

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Cultural Resource Site Locations By Functions

SORT ORDER: NA

ESTIMATED VOLUME: 1 to 25 overlays per PU.

COMPUTATIONS/PROCESSES: None.

ACCURACY: Must overlay base maps.

SCALE:

ANNOTATIONS: Code for site function.

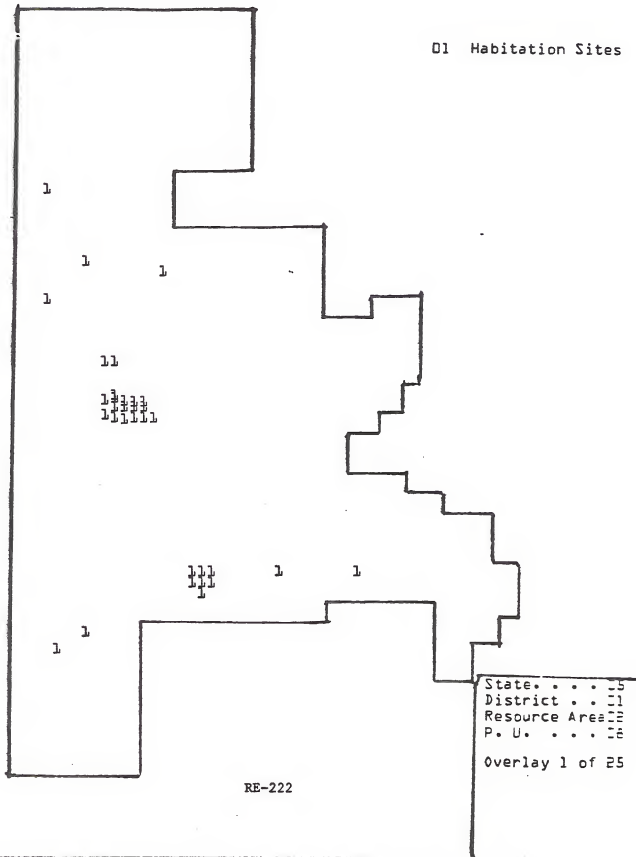
LEGEND: Show the meaning of the symbol for the affiliation shown on the overlay.
Total overlays will vary by PUs according to cultural diversity present.

REMARKS: One overlay for each cultural function identified in the PU.

Cultural Resource Site Locations by Function

IO-0270

01 Habitation Sites



Prog. Area: _____
Prep. By: _____
Date: _____

IO-0271

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Cultural Resources by Affiliation, Function, and Inventory Status

OUTPUT FORM: Table from Class II portrayed for URA 3.

OUTPUT DESCRIPTION: Table describes sites on BLM inventory by I.D. No., affiliation, function, completeness of inventory, and total sites or components.

USER(s): Cultural Resource Staff. LOCATION(s): S0; D0; Resource Area.

USAGE: URA/MFP, AWP, Research Proposals.

ACCESS LIMITATIONS: Cultural Resource Staff only.

RESPONSE TIMES: DESIRED: 4 hours. REQUIRED: Overnight.

FREQUENCY OF PRODUCTION: 1 to 20 times per year.

DEPENDENCIES: Antiquities Permit evaluation, Environmental Documents, Research evaluation, Planning Documents.

REQUEST PARAMETERS: Resource Area.

IO-0271

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Cultural Resources by Affiliation, Function, and Inventory Status

SORT ORDER: NA

ESTIMATED VOLUME: 1 to 50 pages per PU.

COMPUTATIONS/PROCESSES: Total of Sites, Sites whose documentation is incomplete, Sites whose documentaion is complete.

ACCURACY: NA

SCALE: NA

ANNOTATIONS: NA

LEGEND: NA

REMARKS:

CULTURAL RESOURCES BY AFFILIATION, FUNCTION AND INVENTORY STATUS

IO-0271

Site ID. No.	{Name} Affiliation	{Name} Function	Number of sites or Components completed Inventory		Number of Sites or Components Incomplete Inventory	Total Sites/Components
			Sample	Non Sample		
0102-2100 RE-225	0102-2248	0102-2245	0102-2169 Number of Sites or Components	0102-2169 Number of Sites or Components	0102-2169 Number of Sites or Components	0102-2100 Number Sites or Components

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0272

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Incidence of Cultural Resource Sites by Environmental Attributes.

OUTPUT FORM: Graphic overlay.

OUTPUT DESCRIPTION: Displays the occurrence of Cultural Resource Sites in relation to existing environmental attributes as indicated by dominant vegetative sub-type, soil series, dominant topographic feature, etc. Only vegetative sub-type illustrated.

USER(s): Cultural Resource Staff LOCATION(s): State, District,
Resource Area.

USAGE: URA 3, URA 4, MFP 1, AMP, HMP, other planning and environmental documents.

ACCESS LIMITATIONS: Cultural Resource Staff Only.

RESPONSE TIMES: DESIRED: 4 hours. REQUIRED: Overnight.

FREQUENCY OF PRODUCTION: One to ten times per year per district.

DEPENDENCIES: URA-MFP production, certain planning actions, compliance actions, environmental document production.

REQUEST PARAMETERS: By planning unit.

IO-0272

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Incidence of Cultural Resource Sites by Environmental Attributes

SORT ORDER: NA

ESTIMATED VOLUME: One to five overlays per planning unit.

COMPUTATIONS/PROCESSES: None.

ACCURACY: Must overlay Base Map.

SCALE:

ANNOTATIONS: Location of cultural resource sites is marked on overlay within the indicated vegetative sub-type zones.

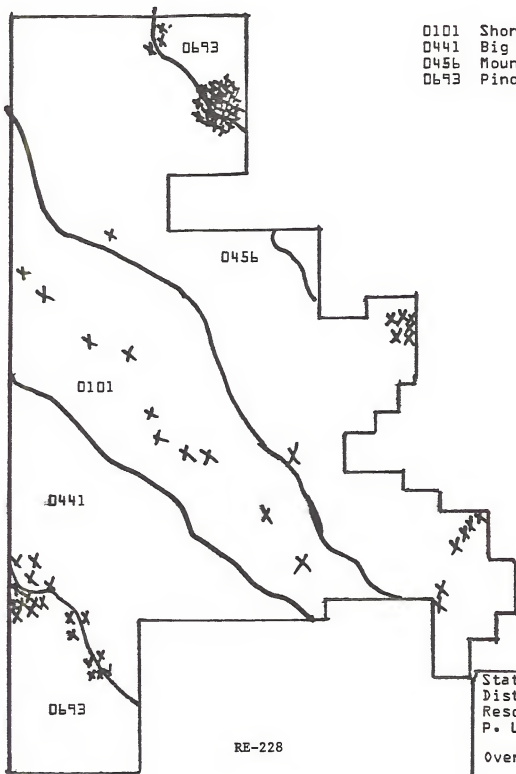
LEGEND: Vegetative subtype zones are those areas on the overlay where it is indicated that one type of plant is dominant.

REMARKS: Vegetative subtypes as per BLM Manual 1731.

RE-227

Incidence of Cultural Resource Sites by Environmental Attributes

IO-0272



- 0101 Short Grass
- 0441 Big Sage Brush
- 0456 Mountain Mahogaw
- 0693 Pinon-Juniper

State 05
 District . . . 01
 Resource Area 02
 P. U. 08

Overlay 1 of 5

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0273

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Opportunities for Cultural Resource Research

OUTPUT FORM: Table

OUTPUT DESCRIPTION: Indicates Cultural Resource Research opportunities identified in the URA-4 Narrative with Indicator in appropriate Research category boxes per each identified Cultural Resource Site

USER(s): Cultural Resource Staff LOCATION(s): State, District

USAGE: Research proposals, AWP, URA-4, MFP-1

ACCESS LIMITATIONS: Cultural Resource Staff only

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 2 days

FREQUENCY OF PRODUCTION: Once every 6 months

DEPENDENCIES: To be printed every 6 months

REQUEST PARAMETERS: Planning Unit

IO-0273

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Opportunities for Cultural Resource Research

SORT ORDER: N/A

ESTIMATED VOLUME: One to 20 pages

COMPUTATIONS/PROCESSES: None

ACCURACY: N/A

SCALE: N/A

ANNOTATIONS: N/A

LEGEND: N/A

REMARKS:

RE-230

TABLE OF OPPORTUNITIES

Cultural Resource Research

10-0273

ID #	SITE #	/ / / / / / / / / / / / / /											
		1	2	3	4	5	6	7	8	9	10	11	
1S 1	0102 2100	X	X			X							
1S 2		X	X	X									
1S 3		X											
				X	X	:	:						

RE-231

- 01 Reconstruction of the past natural environment
- 02 Chronological control for material culture remains
- 03 Function and composition of technological assemblages
- 04 Demographic characteristics of the culture group
- 05 Nature of the task groups within the culture
- 06 Nature of the family group (composition, functions, size)
- 07 Nature of other groups of the social organization
- 08 Nature of interaction with other culture group
- 09 Subsistence resources
- 10 Resources which support the technology
- 11 Elements of ideology which influence social behavior
(religious, ethical, moral precepts)
- 12 Elements of ideology which influence use of the environment
- 13 Aesthetic principles which influence the forms and style of material culture
- 14 Nature of system used to acquire, analyze, store and communicate information
- 15 Exploration and Early Settlement, to 1840s
- 16 Indian and Native History, to 1920s
- 17 Political, Diplomatic and Military Affairs, to 1867
- 18 Economic, Social, Commercial and Development History 1840s to 1920s
- 19 Overland Migrations and Settlement, 1869
- 20 Military and Government - Indian Affairs, 1840s to 1910

10-0273

- 21 Indigenous and Non-Western Peoples and Culture Impacted by Anglo-American Culture
- 22 Federal Government in the West
- 23 Social, Political, Scientific and Development History of the West and Alaska, since the passing of the Frontier
- 24 Formal Architectural Style
- 25 Indigenous Architectural Style
- 26 Construction Technology
- 27 Design Quality - Craftsmanship
- 28 Landscape Architecture

RE-233

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0274

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Opportunities for Cultural Resources Research

OUTPUT FORM: Graphic Overlay

OUTPUT DESCRIPTION: Overlay depicts location of each research opportunity discussed in narrative by site identification number and indicators marking appropriate research categories for each site identified.

USER(s): Cultural Resource Staff LOCATION(s): State, District

USAGE: Research proposals, AWP, Planning Documents, Compliance and Environmental documents

ACCESS LIMITATIONS: Cultural Resource Staff only

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 2 days

FREQUENCY OF PRODUCTION: Every 6 months

DEPENDENCIES: Automatic printing every 6 months

REQUEST PARAMETERS: Planning Unit

IO-0274

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Opportunities for Cultural Resources Research

SORT ORDER: N/A

ESTIMATED VOLUME: One overlay per District every 6 months

COMPUTATIONS/PROCESSES: None

ACCURACY: Must overlay Base Map

SCALE: Same as Base Map

ANNOTATIONS: Code numbers for applicable Research categories

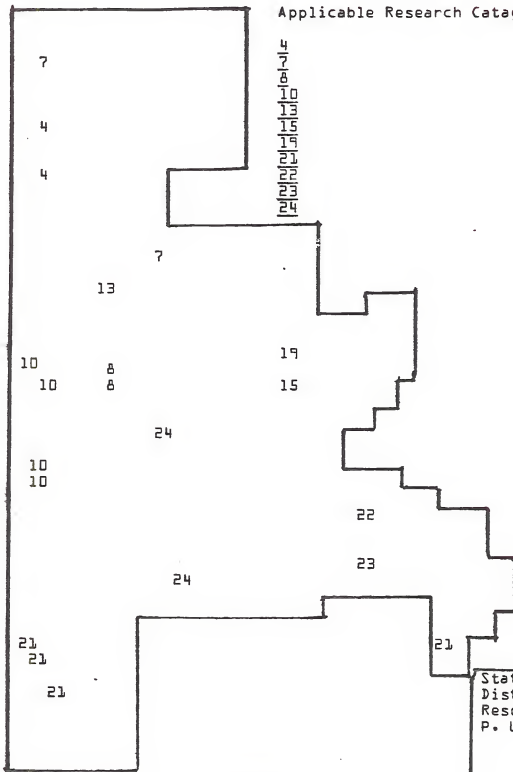
LEGEND: Meaning of Codes on request.

REMARKS: See Research Category Codes with Cultural Resource Research
Opportunities Table

Cultural Resources Research Opportunities

IO-0274

Applicable Research Categories Codes:



State 05
District . . . 01
Resource Area 02
P. U. 08

RE-236

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0275

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Opportunities to Increase Cultural Resource Knowledge by
Intensity of Need

OUTPUT FORM: Graphic Overlay

OUTPUT DESCRIPTION: Overlay depicts location of each research opportunity
with an indicator of the intensity of need for research

USER(s): Cultural Resource Staff LOCATION(s): State, District

USAGE: Research Proposals, AWP, Planning Documents, Compliance and
Environmental Documents

ACCESS LIMITATIONS: Cultural Resource Staff only

RESPONSE TIMES: DESIRED: overnight REQUIRED: 2 days

FREQUENCY OF PRODUCTION: Every 6 months

DEPENDENCIES: Automatic printing each 6 months

REQUEST PARAMETERS: Planning Unit

10-0275

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Opportunities to Increase Cultural Resource Knowledge and Intensity of Need

SORT ORDER: N/A

ESTIMATED VOLUME: 1 overlay per District every 6 months

COMPUTATIONS/PROCESSES: The Intensity of Need ratings must be associated to the Site Record by matching Need with Potential. The sites are then listed in order of priority from high need/high potential to low need/low potential to generate a priority list of opportunities.

ACCURACY: Must Overlay Base Map

SCALE: Same as Base Map

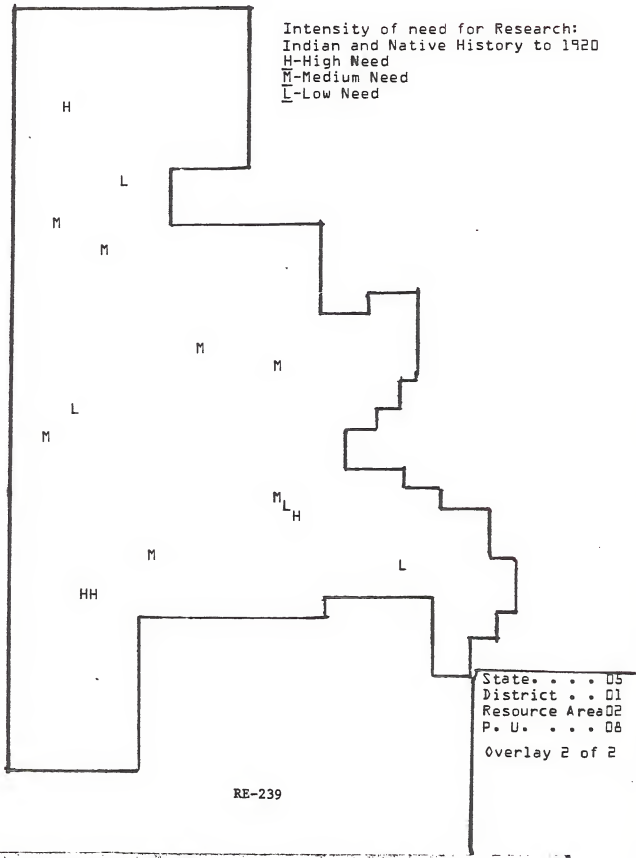
ANNOTATIONS: Intensity Indicators; H - High; M - Medium; L - Low

LEGEND:

REMARKS:

Opportunities to Increase Cultural Resource Knowledge

IO-0275



Prog. Area: _____
Prep. By: _____
Date: _____

IO-0276

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Opportunities to Increase Cultural Resource Knowledge by
Intensity of Potential
OUTPUT FORM: Graphic Overlay

OUTPUT DESCRIPTION: Overlay depicts location of each research opportunity
with an indicator of the intensity of potential for research

USER(s): Cultural Resource Staff LOCATION(s): State, District

USAGE: Research Proposals, AWP, Planning Documents, Compliance and
Environmental Documents

ACCESS LIMITATIONS: Cultural Resource Staff only

RESPONSE TIMES: DESIRED: overnight REQUIRED: 2 days

FREQUENCY OF PRODUCTION: Every 6 months

DEPENDENCIES: Automatic printing each 6 months

REQUEST PARAMETERS: Planning Unit

IO-0276

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Opportunities to Increase Cultural Resource Knowledge by
Intensity of Potential

SORT ORDER: N/A

ESTIMATED VOLUME: 1 overlay per District every 6 months

COMPUTATIONS/PROCESSES: None

ACCURACY: Must Overlay Base Map

SCALE: Same as Base Map

ANNOTATIONS: Intensity Indicators; H - High; M - Medium; L - Low

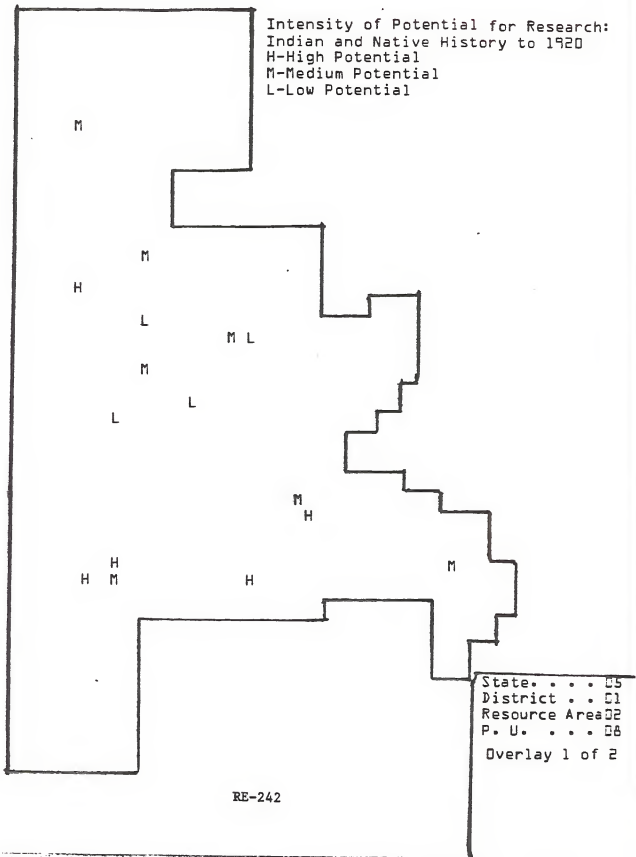
LEGEND:

REMARKS:

RE-241

Opportunities to Increase Cultural Resource Knowledge

IO-0276



Prog. Area: _____
Prep. By: _____
Date: _____

IO-0277

OUTPUT DESCRIPTION

Page 1 of 2

OUTPUT TITLE: Opportunities to Increase Cultural Resource Knowledge:
Needs and Potential
OUTPUT FORM: Table

OUTPUT DESCRIPTION: Describes Cultural Groups/Categories associated with known Cultural Resource Sites in the Planning Unit with an indicator for intensity of need or potential for increasing knowledge at that site, as applied to coded Research Categories.

USER(s): Cultural Resources Staff LOCATION(s): State, District

USAGE: Research Proposals, Permitted Use/Cultural Resource Protection
Stipulation, Environmental Documents, Planning Documents, URA4, MFP1

ACCESS LIMITATIONS: Cultural Resource Staff Only

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 2 days

FREQUENCY OF PRODUCTION: One printout every 6 months - Automatic production

DEPENDENCIES: Antiquity Permit Review, AWP, EAR/EIS, Research Proposals,
Research Proposal Analysis

REQUEST PARAMETERS: Planning Unit

IO-0277

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Opportunities to Increase Cultural Resource Knowledge:
Needs and Potential

SORT ORDER: N/A

ESTIMATED VOLUME: 1 table printout every 6 months, 1 to 25 pages

COMPUTATIONS/PROCESSES: None

ACCURACY: N/A

SCALE: N/A

ANNOTATIONS: N/A

LEGEND: H = High need or potential
M = Medium need or potential
L = Low need or potential

REMARKS:

ARCHEOLOGICAL/HISTORICAL/ARCHITECTURAL STUDIES

TABLE OF NEEDS AND POTENTIALS

(SEE ATTACHED SHEET FOR POSSIBLE TOPICS)

12	11	10	9	8	7	6	5	4	3	2	1	0102-2176	NATIONAL GROUP.	ID#

NEED

POTENTIAL

NEED

POTENTIAL

N

P

N

P

N

P

0102-2169

CULTURE/ETHNIC/
NATIONAL GROUP.

10-0277

SPANISH

H

RUSSIAN

H

METIS

H

L

L

M

N

P

N

P

N

P

N

P

N

2010

2010

2010

2010

RE-245

- 01 Reconstruction of the past natural environment
- 02 Chronological control for material culture remains
- 03 Function and composition of technological assemblages
- 04 Demographic characteristics of the culture group
- 05 Nature of the task groups within the culture
- 06 Nature of the family group (composition, functions, size)
- 07 Nature of other groups of the social organization
- 08 Nature of interaction with other culture groups
- 09 Subsistence resources
- 10 Resources which support the technology
- 11 Elements of ideology which influence social behavior
(religious, ethical, moral precepts)
- 12 Elements of ideology which influence use of the environment
- 13 Aesthetic principles which influence the forms and style of material culture
- 14 Nature of system used to acquire, analyze, store and communicate information
- 15 Exploration and Early Settlement, to 1840s
- 16 Indian and Native History, to 1920s
- 17 Political, Diplomatic and Military Affairs, to 1867
18. Economic, Social, Commercial and Development History 1840s to 1920s
- 19 Overland Migrations and Settlement, 1869
- 20 Military and Government - Indian Affairs, 1840s to 1910

IO-0277

- 21 Indigenous and Non-Western Peoples and Culture Impacted by Anglo-American Culture
- 22 Federal Government in the West
- 23 Social, Political, Scientific and Development History of the West and Alaska, since the passing of the Frontier
- 24 Formal Architectural Style
- 25 Indigenous Architectural Style
- 26 Construction Technology
- 27 Design Quality - Craftsmanship
- 28 Landscape Architecture

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0278

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Cultural Resources Preservation/Protection Measures

OUTPUT FORM: Graphic overlay

OUTPUT DESCRIPTION: Overlays identify and locate appropriate Preservation or Protection Measures for each Cultural Resource Site in the Planning Unit

USER(s): Cultural Resource Staff LOCATION(s): State, District

USAGE: AWP, Compliance Documents and Actions, EAR/ES

ACCESS LIMITATIONS: Cultural Resource Staff only

RESPONSE TIMES: DESIRED: Overnight REQUIRED: 2 days

FREQUENCY OF PRODUCTION: On demand, no more than once every 6 months

DEPENDENCIES: When requested, no more than once each 6 months to check for updates

REQUEST PARAMETERS: Planning Unit

IO-0278

OUTPUT DESCRIPTION
Page 2 of 2

OUTPUT TITLE: Cultural Resources Preservation/Protection Measures

SORT ORDER: N/A

ESTIMATED VOLUME: One to 28 overlays per District per printing

COMPUTATIONS/PROCESSES: None

ACCURACY: Must overlay Base Map

SCALE: Same as Base Map

ANNOTATIONS: One overlay will portray only one of the 28 Preservation/Protection Measures listed on the code sheet for Preservation/Protection Table (See I/O #0279).

LEGEND:

REMARKS: Up to 28 overlays per Planning Unit depending on measures used

IO-0279

OUTPUT DESCRIPTION

Page 2 of 2

OUTPUT TITLE: Table of Cultural Resource Preservation/Protection Measures

SORT ORDER: N/A

ESTIMATED VOLUME: 1 to 25 pages per printing per District

COMPUTATIONS/PROCESSES: None

ACCURACY: N/A

SCALE: N/A

ANNOTATIONS: N/A

LEGEND: N/A

REMARKS:

IO-0279

21. Emergency Structural Shoring and Reinforcing
22. Fencing and Gating - Access Control
23. Structural and Surface Stabilization
24. Signs to Warn Against Illegal Excavation, Collecting or Damage to Site
25. Markers to Identify Cultural Resources to Prevent Inadvertent Damage
26. Cultural Resource Site Interpretation to Inform and Advise Against Adverse Use
27. Cultural Resource Site Salvage to Avert Unavoidable Information Loss
28. Adequate Reporting on All Cultural Resources Work

RE-255

Prog. Area: _____
Prep. By: _____
Date: _____

10-0201

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Cultural Resource Identification Record

FORM: Coding Sheet

DESCRIPTION: System of Cultural Resource Data recordation. It consists of variable numbers of forms depending on degree of documentation. The forms are the site data form, Cultural Component form, Artifact sample form, and Isolated Artifact form.

PREPARATION RESPONSIBILITY: Cultural Resource Staff - Contractors

FORMAT: To be determined; will contain data elements on the accompanying sheet.

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Yearly

VOLUME OF UPDATE: One to 250 new, unrecorded site records

ARCHIVING REQUIREMENTS: Current File

ACCESS LIMITATIONS: Cultural Resource Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: All forms completed by others to be submitted to BLM Cultural Resource personnel for review, editing and validation

REMARKS:

Cultural Resource Identification Record
Site Data Form

IO-0201

I. Administrative Data

0102 2100 1. BLM ID Number _____

0102 2101 2. Other ID Number _____

3. Legal Location

0121 2502 | 0100 2501 | 0100 1695 | 0100 1699 | 0100 1703
 ___ 1/4 ___ 1/4 Sec ___ T ___ R ___ PM ___

4. UTM Location

0100 7515 Zone ___ Easting _____ Northing _____

5. Geographic Coordinates

0100 1236 | 0100 1237
 Latitude North ___ ° ' ___ " Longitude West ___ ° ' ___ "

0102 2049

6. Surface Ownership	
BLM	
Other Fed	
State	
Local Gov.	
Private	

7. Designation 0102 2103	
NHR	
NHR-Eligible	
HABS	
HAER	
STATE REG	
Other*	

0102 2076 8. BLM Sub-Surface Yes ___ No ___

0102 2077 9. Segregation Yes ___ No ___

(NOTE: Items 8 through 10 are entered by BLM)

0102 2185 10. Planning Unit ID _____

II. Environmental Data

0100 6533 1. Habitat Type _____ 2. Vegetative Subtype _____ 0132 2706

0141 4683 3. Soil Type _____ 4. Elevation _____ 0100 7036

0102 2109 5. Water Source at Site _____ 0100 7037
 _____ 0102 2075
 _____ m.

P	I	F

6. Distance to Water _____ m.

7. Aspect _____ 0100 6523

0100 5132 8. Land Form at Site _____

RE-257

III. Physical Description

1. Site Size

0102 2111 _____ sq. yds/m or _____ Acres, _____ miles/km. in length

2. Greatest Depth of Cultural Deposit

0102 2116 _____ ft/m E _____

0102 2113 3. Site Condition: Excellent ___ Good ___ Poor ___ Destroyed ___

0102 2114 4. Intrusions Impacting Context Integrity Yes ___ No ___

0102 2127 5. Sources of Deterioration:

0102 2115

Source of Deterioration	PAST	PRESENT	FUTURE	DEGREE	IMPACT	HIGH	MEDIUM	LOW
A								
B								
C								
D								
E								
F								
G								
H								

6. Measures Required to Retard Deterioration

0102 2078

Measure Possible	Sources of Deterioration							
	A	B	C	D	E	F	G	H

7. Measures Required to Mitigate Deterioration

0102 2117

IO-0201

Cultural Resource Identification Record
Site Data Form (Continued)

IV. Reference Data:

- 0102 2118 1. Number of Component Forms __
- 0102 2119 2. Number of Graphic Record Forms __
- 0102 2121 3. Graphic File ID Number _____
- 0102 2120 4. Number of Artifact/Sample Forms: __
5. Survey Report Number 0102 2247
6. Mitigation/Study Report Number 0102 2171

- 0102 2102 7. Documentation of Cultural Resource Site Complete
- Incomplete

- 0102 2094 8. Site Vulnerability High
- Medium Action _____
- Low
- Unknown

- 0102 2124 9. Name of Field Observer _____ Date _____

- 0102 2125 10. Name of Recorder (If different from Item 9) _____ Date _____

0102 2087 V. Narrative

IO-0201

Cultural Resource Identification Record
Cultural Component Form

0102 2100 1. Site ID Number _ _ - _ _ - _ _ _ _ _

Cannot be
Determined

0102 2128 2. Cultural Component: _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

0102 2156 3. Time Period: Beginning _ _ _ _ _ BC/AD

Ending _ _ _ _ _ BC/AD

0102 2157 4. Description of features which characterize this component.

0102 2158 5. Functional Activities inferred from the features described above:

Cannot be
Determined

6. Research Information Characteristics

0102 2161

0102 2160 0102 2159

Research Categories	Degree of Potential	Needs for Management

0102 2162 7. Heritage Use: Yes___ No___

0102 2163 8. Description of Heritage Values: _____

Cultural Resource Identification Record
Artifact/Sample Form

- 0102 2100 1. Site ID _____
- 0102 2164 2. Artifact/Sample ID ____
- 0102 2165 3. Artifact/Sample Type _____
- 0102 2166 4. Accession/Catalogue ID _____
- 0102 2167 5. Depository
 - a. Institution _____
 - b. City _____
 - c. State _____
- 0102 2168 6. Description of Artifact/Sample Collection and Analysis:

10-0201

Cultural Resource Identification Record
Isolated Artifact Form

I. Administrative Data:

- 0102 2100 1. ID Number - - - - - I
- 0102 2101 2. Other ID Number - - - - -
3. Legal Location
 0121 2502 | 0100 2501 | 0100 1699 | 0100 1703
 1/4 1/4 | Sec T | R | PM
- 0100 7515 4. UTM: Zone Easting Northing - - - - -
- 0100 1236 5. Geographic Coordinates
 Latitude North ° ' " Longitude ° ' "
- 0102 2185 6. Planning Unit - - - - -

II. Environmental Data

- 0100 6533 1. Habitat Zone - - - - - 2. Vegetative Subtype - - - - - 0132 2706
- 0141 4683 3. Soils Association - - - - - 4. Elevation - - - - - ' 0100 7036, 7037
- 0100 5132 5. Land form at site - - - - -
- 0102 2109 6. Water source at site
- | | | |
|---|---|---|
| P | I | F |
| | | |
| | | |
| | | |
- 0102 2075 7. Distance to water - - - - - yds/m.

III. Cultural Data

- 0102 2248 1. Cultural Affiliation - - - - - Cannot be Determined
- 0102 2254 2. Time Period: Circa - - - - - AD/BC
- 0102 2165 3. Feature/Artifact Type - - - - -
- 0102 2158 4. Inferred Functional Attributes
 - - - - -
 - - - - -

IV. Reference Data

- 0102 2121 1. Graphic File ID _____
- 0102 2247 2. Survey Report Number _____
- 0102 2171 3. Investigation/Mitigation Report Number _____
- 0102 2166 4. Accession/Catalog ID _____
- 0102 2167 5. Depository:
- a. Name _____
- 0102 2217 style="padding-left: 40px;">b. City _____
- 0102 2218 style="padding-left: 40px;">c. State _____
- 0102 2170 6. Narrative: _____
- _____
- _____
- _____
- _____
- _____
- 0102 2125 7. Recorder _____ Date _____

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0202

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Survey Unit Report

FORM: Coding Sheet

DESCRIPTION: SUR summarizes the findings of the field survey for each designated parcel forming a survey sample unit. The elements of a SUR are 1) SUR cover sheet; 2) Cultural Resource Identification Record; 3) Copy portion of top of map of the survey unit, and 4) Artifact/Sample Inventory List

PREPARATION RESPONSIBILITY:

Cultural Resource Staff or Contractor

FORMAT: To be determined; will contain data elements on the accompanying sheet.

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Yearly

VOLUME OF UPDATE: One to ten surveys per District per year

ARCHIVING REQUIREMENTS: Current File

ACCESS LIMITATIONS: Cultural Resource Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: All SUR's to be submitted to COAR or DM to be reviewed by District Cultural Resource Staff for quality, completeness, editing, and validation.

REMARKS: This documents the Survey Data only.

IO-0202

CULTURAL RESOURCES
INVENTORY PROJECT REPORT
TRANSMITTAL SHEET

Date of Report 0102 2195.

BLM Inventory Project Name 0102 2188.

BLM Inventory Project Identification Number 0102 2180.

Kind of Inventory 0102 2181. (Class I, Class II or Class III)

Performing Institution 0102 2134.

If not BLM, BLM Contract/Antiquity Permit Number 0102 2186.

Planning Unit 0102 2185.

Legal description of area examined:

				0100	0100
0100	2506	0121	2503	0121	2502
0121	2501	1695	1699		

Tract __, Lot __, of the __ 1/4 of the __ 1/4 of Section __, T __, R __.

Tract __, Lot __, of the __ 1/4 of the __ 1/4 of Section __, T __, R __.

Tract __, Lot __, of the __ 1/4 of the __ 1/4 of Section __, T __, R __.

Tract __, Lot __, of the __ 1/4 of the __ 1/4 of Section __, T __, R __.

Number of Acres Examined 0102 2193.

Number of Miles in Lineal Examination 0102 2190.

Number of Sites located 0102 2100.

Total CR Project Costs \$ 0102 2178

Total Project Man Months 0102 2161

BLM Activity Codes Charged , 0100 0006, .

Fiscal Year of Project Origination 0102 2192

Fiscal Year of Project Completion 0102 2194

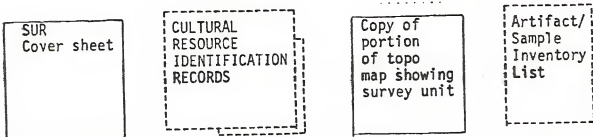
Number of Actions 0102 2184.

(Incidents of survey to complete report)

THE SURVEY UNIT REPORT

A Survey Unit Report (SUR) summarizes the findings of the field survey for each designated parcel which forms a survey sample unit. The elements of a Survey Unit Report are shown in illustration 1. Cover sheets for the Survey Unit Report will be prepared following the format shown in illustration 2. The normal unit report would include the cover sheet, copies of all site and isolated artifact records. In addition, if artifacts or samples were collected, an artifact/sample inventory list shall be prepared to accompany the collections when they are delivered to the COAR. The format for the inventory list is shown in illustration 3.

ELEMENTS OF THE SURVEY UNIT REPORT



EXPLANATION: Elements shown in solid lines will always be included in the survey report. Dotted lines indicate elements which will be included only when cultural material is found during the survey.

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0203

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Research Need Rating

FORM: Coding Sheet

DESCRIPTION: Each research category and component is rated as to the need for research

PREPARATION RESPONSIBILITY: Cultural Resource Staff

FORMAT: To be determined; will contain data elements on the accompanying sheet

DATA ENTRY PROCEDURE: To be determined

FREQUENCY OF UPDATE: Yearly

VOLUME OF UPDATE: One to 250 unanalyzed sites yearly

ARCHIVING REQUIREMENTS: Current file

ACCESS LIMITATIONS: Cultural Resource Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: S.O. Cultural Resource Specialist responsible for compiling inputs and developing research needs for all Districts

REMARKS: This is used in conjunction with the Research Potential Rating to rank by priority the Opportunities for Cultural Resource

Possible Research Topics. History/

1. Exploration and Early Settlement, to 1840s.
2. Indian and Native History, to 1920s.
3. Political, Diplomatic and Military Affairs, to 1867.
4. Economic, Social, Commercial and Development History, 1840s to 1920s.
5. Overland Migrations and Settlement, 1869.
6. Military and Government - Indian Affairs, 1840s to 1910.
7. Indigenous and Non-Western Peoples and Cultures impacted by Anglo-American Culture.
8. Federal Government in the West.
9. Social, Political, Scientific and Development History of the West and Alaska, since the passing of the Frontier.

Possible Research Topics. Anthropology

1. Reconstruction of the past natural environment.
2. Establishing chronological control for material culture remains.
3. Determine the function and composition of technological assemblages.
4. Determine the size and range of the breeding population.
5. Determine the dynamics of the breeding population (rates of natural increase, migration, age/sex structure).
6. Determine the nature of the task groups within the culture (functions, composition, roles of members, size).
7. Determine the nature of the family group (composition, functions, size).
8. Determine the nature of other groups of the social organization.
9. Determine the nature of interaction with other culture groups.
10. Determine subsistence resources.
11. Determine resources which support the technology.
12. Determine the elements of ideology which influence social behavior.
(religious, ethical, moral precepts).
13. Determine elements of ideology which influence selective use of the environment.
14. Determine the aesthetic principles which influence the forms and style of material culture.
15. Determine the nature of system used to acquire, analyze, store and communicate information used for making decisions.

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0204

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Physical Protection Data

FORM: Coding Sheet

DESCRIPTION: Data is taken from JDRs, Cultural Resource Inventory/Evaluation Forms, Mitigation Reports, Compliance Action Reports, and Antiquity Permit Reports.

PREPARATION RESPONSIBILITY: Cultural Resource staff

FORMAT: To be developed - will include following data elements:
Structural Stabilization Signing
Surface Stabilization Barriers
Fencing Electronic Surveillance

DATA ENTRY PROCEDURE: To be developed

FREQUENCY OF UPDATE: Annually

VOLUME OF UPDATE: 1 to 5 pages per resource area

ARCHIVING REQUIREMENTS: None

ACCESS LIMITATIONS: Cultural Resource Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: none

REMARKS:

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0205

DATA SOURCE DESCRIPTION
(DATA BASE MAINTENANCE)

TITLE/DESIGNATION: Antiquity Permit Data

FORM: Coding Sheet

DESCRIPTION: Form to which is transcribed information from the Antiquities Permit Applications, Permits, and Reports in compliance with Antiquities Permit Requirements.

PREPARATION RESPONSIBILITY: Cultural Resource Staff

FORMAT: To be developed - will include the following: Permit Application Number, Institution Name, Permit Number, legal location, Issue Date, Expiration Date, Date Preliminary Report Due, Date Preliminary Report Submitted, date adequate preliminary report accepted, date field compliance inspections, and informative remarks.

DATA ENTRY PROCEDURE: To be developed

FREQUENCY OF UPDATE: Monthly

VOLUME OF UPDATE: 1 to 5 pages per year per district

ARCHIVING REQUIREMENTS: none

ACCESS LIMITATIONS: Cultural Resource Staff only

SPECIAL EDIT/AUDIT/VALIDATION REQUIREMENTS: None

REMARKS:

Prog. Area: _____
Prep. By: _____
Date: _____

IO-0279

OUTPUT DESCRIPTION
Page 1 of 2

OUTPUT TITLE: Table of Cultural Resource Preservation/Protection Measures

OUTPUT FORM: Table

OUTPUT DESCRIPTION: This table identifies Cultural Resource Sites by number and indicates applicable Preservation/Protection measures to be used on the site by an indicator under the corresponding Protection/Preservation Code.

USER(s): Cultural Resource Staff LOCATION(s): State, District

USAGE: AWP, Compliance Documents and Actions, EAR/ES

ACCESS LIMITATIONS: Cultural Resource Staff only

RESPONSE TIMES: DESIRED: overnight REQUIRED: 2 days

FREQUENCY OF PRODUCTION: one printout each 6 months

DEPENDENCIES: Automatic print every 6 months

REQUEST PARAMETERS: Planning Unit

URAA Table of Cultural Resource Prevention/Protection
Measures - Code of Preservation/Protection Measures

10-0279

1. Protective Stipulations for Permitted Use and Contracts
2. Nomination or Eligibility Determination for National Register of Historic Places
3. Segregation of Property from Non-Compatable Activities and Uses
4. Avoidance of Cultural Resources by Adverse Actions
5. Unavoidable Actions - Cultural Site Salvage in Legal Compliance
6. Requirements of Antiquity Permits or Adherence to Those Standards
7. Patrols by BLM or Contracted Law Enforcement Agencies
8. Electronic Surveillance of Cultural Resources
9. Withdrawal of Cultural Resource Lands from Entry and Adverse Uses
10. Land Exchange or Acquisition to Consolidate Divided Cultural Resources Ownership
11. Protective Easements to Protect BLM Cultural Resources Adjacent to Private Land
12. Transfer to Local, State, or Federal Agency When Better Cultural Resource Protection Afforded.
13. Protection Covenants/Stipulations for Cultural Resources Involved in Land Transfers
14. Advisory Council Review of Actions Affecting National Register Properties
15. Confidentiality/Non-Publication of Cultural Resource Site Location Data
16. Closure or Restricted Access to Vulnerable Cultural Resources
17. Erection of Physical Access Barriers
18. Cultural Resource and Site Information Recordation and Maintenance
19. Education and Training for Public Employees on Cultural Resource Protection
20. Erosion Control and Prevention of Damage From Other Natural Forces

By
Library
Bldg. 50, Denver
Denver, CO 80225

NUMBER

001628

tion Inventory
System

DATE
RECORDED

3/11/84

3/19/84

1 (Reverse)

OWNER'S CARD

ions for a recreation inventory
ce analysis data system.

OFFICE	DATE RETURNED
D-155	4/11/84
SC-344C	4/11/84

(Continued on reverse)