Manual H-8410-1 - Visual Resource Inventory

Table of Contents

1. Visual Resource Inventory Classes
2. Visual Resource Management Classes

B. Objectives for Visual Resource Classes
   1. Class I Objective
   2. Class II Objective
   3. Class III Objective
   4. Class IV Objective
C. Rehabilitation Areas
D. Interim VRM Classes and Objectives

Illustrations

1. Scenic Quality - Explanation of Rating Criteria
2. Scenic Quality - Inventory and Evaluation Chart
3. Scenic Quality Field Inventory Form (Form 8400-1) - Blank (pdf), Filled example (pdf)
4. Scenic Quality Rating Summary (Form 8400-5) - Blank (pdf), Filled example (pdf)
5. Physiographic Province Map - Continental United States
6. Physiographic Province Map - Alaska
7. Scenic Quality Overlay
8. Sensitivity Level Rating Sheet (Form 8400-6) - Blank (pdf), Filled example (pdf)
9. Sensitivity Level Overlay
10. Distance Zone Overlay
11. Determining Visual Resource Inventory Classes
12. Visual Resource Management Class Overlay

I. General Guidance.

A. Overview. The visual resource inventory process provides BLM managers with a means for determining visual values. The inventory consists of a scenic quality evaluation, sensitivity level analysis, and a delineation of distance zones. Based on these three factors, BLM-administered lands are placed into one of four visual resource inventory classes. These inventory classes represent the relative value of the visual resources. Classes I and II being the most valued, Class III representing a moderate value, and Class IV being of least value. The inventory classes provide the basis for considering visual values in the resource management planning (RMP) process. Visual Resource Management classes are established through the RMP process for all BLM-administered lands (see also Manual 1625.3). During the RMP process, the class boundaries are adjusted as necessary to reflect the resource allocation decisions made in RMP's. Visual management objectives are established for each class. (See Section VB.)

B. Implementation Options. The detail of the inventory will vary with the visual character of the landscapes being inventoried. For example, the flat, colorless, and barren mancos shale area in southeastern Utah should not be given the same treatment as the rugged and colorful formations of the Colorado River area. Sensitive areas such as those near major highways or communities or adjacent to national parks should be given special treatment. It may be necessary to modify or make adaptations to the inventory system in such places as Alaska where the resource characteristics and the land-use patterns are significantly different from those in the Western States. These adaptations must (1) provide a more cost-effective way to complete a quality inventory, and (2) keep the conceptual framework of the Visual Resource Management (VRM) system intact.

C. Material Storage. All visual resource inventory rating forms, overlays, slides, and written material should be filed in the Resource Area Office.

II. Scenic Quality Evaluation. Scenic quality is a measure of the visual appeal of a tract of land. In the visual resource inventory process, public lands are given an A, B, or C rating based on the apparent scenic quality which is determined using seven key factors: landform, vegetation, water, color, adjacent scenery, scarcity, and cultural modifications (see Illustrations 1, 2, 3, and 4). During the rating process, each of these factors are ranked on a comparative basis with similar features within the physiographic province. Use the physiographic provinces as delineated by Fenneman (see Illustrations 5 and 6) to the extent possible. The boundaries of these provinces may be refined to fit local situations. The "Ecoregions of the United States" by R. C. Bailey may be helpful in making these refinements. An important premise of the evaluation is that all public lands have scenic value, but areas with the most variety and most harmonious composition have the greatest scenic value. Another important concept is that the evaluation of scenic quality is done in relationship to the natural landscape. This does not mean that man-made features within a landscape necessarily detract from the scenic value. Man-made features that complement the natural landscape may enhance the scenic value. Evaluations should avoid any bias against man-made modification to natural landscape.

A. Delineating Scenic Quality Rating Units (SQRU's). The planning area is subdivided into scenic quality rating units for rating purposes. Rating areas are delineated on a basis of: like physiographic characteristics; similar visual patterns, texture, color, variety, etc.; and areas which have similar impacts from man-made modifications. The size of SQRU's may vary from several thousand acres to 100 or less

acres, depending on the homogeneity of the landscape features and the detail desired in the inventory. Normally, more detailed attention will be given to highly scenic areas or areas of known high sensitivity. Map and number each SQRU on an overlay as shown in Illustration 7.

B. Evaluating Scenic Quality. It is recommended that an interdisciplinary team do the evaluations. Ideally, one team member should have an environmental design arts background. All participants should have an understanding of the visual resource inventory system and be familiar with the areas to be evaluated. Evaluate each SQRU by observing the area from several important viewpoints. Scores should reflect the evaluator's overall impression of the area. After evaluating all the SQRU's, show the scenic ratings on the scenic quality overlay (see Illustration 7). Record the rating on the Scenic Quality Rating Summary - Bureau Form 8400-5 (see Illustration 4). Bureau Form 8400-1 (see Illustration 3) may be used as a worksheet for completing each scenic quality evaluation. A photographic record should be maintained for the area. Photographs and completed evaluation forms should be filed for future reference.

III. Sensitivity Level Analysis. Sensitivity levels are a measure of public concern for scenic quality. Public lands are assigned high, medium, or low sensitivity levels by analyzing the various indicators of public concern.

A. Factors to Consider.

1. Type of Users. Visual sensitivity will vary with the type of users. Recreational sightseers may be highly sensitive to any changes in visual quality, whereas workers who pass through the area on a regular basis may not be as sensitive to change.

2. Amount of Use. Areas seen and used by large numbers of people are potentially more sensitive. Protection of visual values usually becomes more important as the number of viewers increase.

3. Public Interest. The visual quality of an area may be of concern to local, State, or National groups. Indicators of this concern are usually expressed in public meetings, letters, newspaper or magazine articles, newsletters, land-use plans, etc. Public controversy created in response to proposed activities that would change the landscape character should also be considered.

4. Adjacent Land Uses. The interrelationship with land uses in adjacent lands can affect the visual sensitivity of an area. For example, an area within the view shed of a residential area may be very sensitive, whereas an area surrounded by commercially developed lands may not be visually sensitive.

5. Special Areas. Management objectives for special areas such as Natural Areas, Wilderness Areas or Wilderness Study Areas, Wild and Scenic Rivers, Scenic Areas, Scenic Roads or Trails, and Areas of Critical Environmental Concern (ACEC), frequently require special consideration for the protection of the visual values. This does not necessarily mean that these areas are scenic, but rather that one of the management objectives may be to preserve the natural landscape setting. The management objectives for these areas may be used as a basis for assigning sensitivity levels.

6. Other Factors. Consider any other information such as research or studies that includes indicators of visual sensitivity.

B. Delineation of Sensitivity Level Rating Units (SLRU's). There is no standard procedure for delineating SLRU's. The boundaries will depend on the factor that is driving the sensitivity consideration. Consequently, a thorough review of the factors referred to in IIIA should be completed before any attempt is made to delineate SLRU's. Distance zone may also play an important role in identifying the SLRU boundaries.

C. Documentation Requirements.

1. Narrative. Prepare a summary statement with the essential facts and rationale to support the conclusions reached on sensitivity levels. The format for presenting this information is optional. As a minimum, the summary data must be entered on Form 8400-6 (see Illustration 8). Backup information used to evaluate each of the factors should be maintained with the inventory record.

2. Map Overlay. Prepare an overlay (see Illustration 9) showing the sensitivity rating units and ratings.

D. Completion of Sensitivity Rating. The instructions for completing the sensitivity ratings are shown in Illustration 8. Ideally, the rating should be done as a team effort involving the Area or District VRM Coordinator, Area Manager, and at least one other staff person. If timing or funding will to allow this approach, the rating may be done by the VRM coordinator and reviewed by the Area Manager. Management should be in agreement on the summary rating for each SLRU.

IV. Distance Zones. Landscapes are subdivided into 3 distanced zones based on relative visibility from travel routes or observation points. The 3 zones are: foreground-middleground, background, and seldom seen. The foreground-middleground (fm) zone includes areas seen from highways, rivers, or other viewing locations which are less than 3 to 5 miles away. Seen areas beyond the foreground-middleground zone but usually less than 15 miles away are in the background (bg) zone. Areas not seen as foreground-middleground or background (i.e., hidden from view) are in the seldom-seen (ss) zone.

A. Mapping Distance Zones. Prepare a distance zone overlay (see Illustration 10) using a base map common to the scenic quality base map. Distance zones are determined in the field by actually traveling along each route and observing the area that can be viewed. If the route is a highway or trail, it should be traveled in both directions, unless it is a one-way route. River use usually is one way; however, if there is up-river travel, it too should be evaluated from both directions. If a vehicle or boat is used for this field survey, it is best to have both a driver and an observer. Distance zones should be mapped for all areas. While they are not necessary to determine classes in Class A scenic areas or for areas with low sensitivity levels, distance zones can provide valuable data during the RMP process when adjustments to VRM classes are made to resolve resource allocation conflicts.

1. Foreground-Middleground Zone. This is the area that can be seen from each travel route for a distance of 3 to 5 miles where management activities might be viewed in detail. The outer boundary of this distance zone is defined as the point where the texture and form of individual plants are no longer apparent in the landscape. In some areas, atmospheric conditions can reduce visibility and shorten the distance normally covered by each zone. Also, where the foreground-middleground zone from one travel route overlaps the background from another route, use only the foreground-middleground designation.

2. Background Zone. This is the remaining area which can be seen from each travel route to approximately 15 miles. Do not include areas in the background which are so far distant that the only thing discernible is the form or outline. In order to be included within this distance zone, vegetation should be visible at least as patterns of light and dark.

3. Seldom-Seen Zone. These are areas that are not visible within the foreground-middleground and background zones and areas beyond the background zones.

B. Coordinating Distance Zones Delineation and Sensitivity Level Analyses. It is recommended that distance zones be delineated before the sensitivity analysis is done. The distance zone delineations provide valuable information that can be very useful in the sensitivity analysis. For example, the foreground-middleground zones are more visible to the public and changes are more noticeable and are more likely to trigger public concern. Also, the boundaries of the distance zones are very useful in helping to establish sensitivity rating units.

V. Visual Resource Classes and Objectives.

A. Purposes of Visual Resource Classes. Visual resource classes are categories assigned to public lands, which serves two purposes: (1) an inventory tool that portrays the relative value of the visual resources, and (2) a management tool that portrays the visual management objectives. There are four classes (I, II, III, and IV).

1. Visual Resource Inventory Classes. Visual resource inventory classes are assigned through the inventory process. Class I is assigned to those areas where a management decision has been made previously to maintain a natural landscape. This includes areas such as national wilderness areas, the wild section of national wild and scenic rivers, and other congressionally and administratively designated areas where decisions have been made to preserve a natural landscape. Classes II, III, and IV are assigned based on a combination of scenic quality, sensitivity level, and distance zones. This is accomplished by combining the 3 overlays for scenic quality, sensitivity levels, and distance zones and using the guidelines shown in Illustration 11 to assign the proper class. The end product is a visual resource inventory class overlay as shown in Illustration 12. Inventory classes are informational in nature and provide the basis for considering visual values in the RMP process. They do not establish management direction and should not be used as a basis for constraining or limiting surface disturbing activities.

2. Visual Resource Management Classes. Visual resource management classes are assigned through RMP's. The assignment of visual management classes is ultimately based on the management decisions made in RMP's. However, visual values must be considered throughout the RMP process. All actions proposed during the RMP process that would result in surface disturbances must consider the importance of the visual values and the impacts the project may have on these values. Management decisions in the RMP must reflect the value of visual resources. In fact, the value of the visual resource may be the driving force for some management decisions. For example, highly scenic areas which need special management attention may be designated as scenic Areas of Critical Environmental Concern and classified as VRM Class I based on the importance of the visual values. A map is developed in each RMP showing the approved visual resource management classes.

B. Objectives for Visual Resource Classes.

1. Class I Objective. The objective of this class is to preserve the existing character of the landscape. This class provides for natural ecological changes; however, it does not preclude very limited management activity. The level of change to the characteristic landscape should be very low and must not attract attention.

2. Class II Objective. The objective of this class is to retain the existing character of the landscape. The level of change to the characteristic landscape should be low. Management activities may be seen, but should not attract the attention of the casual observer. Any changes must repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape.

3. Class III Objective. The objective of this class is to partially retain the existing character of the landscape. The level of change to the characteristic landscape should be moderate. Management activities may attract attention but should not dominate the view of the casual observer. Changes should repeat the basic elements found in the predominant natural features of the characteristic landscape.

4. Class IV Objectives. The objective of this class is to provide for management activities which require major modifications of the existing character of the landscape. The level of change to the characteristic landscape can be high. These management activities may dominate the view and be the major focus of viewer attention. However, every attempt should be made to minimize the impact of these activities through careful location, minimal disturbance, and repeating the basic elements.

C. Rehabilitation Areas. Areas in need of rehabilitation from a visual standpoint should be flagged during the inventory process. The level of rehabilitation will be determined through the RMP process by assigning the VRM class approved for that particular area.

D. Interim VRM Classes and Objectives. Interim visual management classes are established where a project is proposed and there are no RMP approved VRM objectives. These classes are developed using the guidelines in Section I to V and must conform with the land-use allocations set forth in the RMP which covers the project area. The establishment of interim VRM classes will not require a RMP amendment, unless the project that is driving the evaluation requires one.

Please see Instructions at bottom of page on how to rate the visual quality of scenic resources.

Illustration 1 - Scenic Quality - Explanation of Rating Criteria

Landform

Topography becomes more interesting as it gets steeper or more massive, or more severely or universally sculptured. Outstanding landforms may be monumental, as the Grand Canyon, the Sawtooth Mountain Range in Idaho, the Wrangell Mountain Range in Alaska, or they may be exceedingly artistic and subtle as certain badlands, pinnacles, arches, and other extraordinary formations.

Vegetation

Give primary consideration to the variety of patterns, forms, and textures created by plant life. Consider short-lived displays when they are known to be recurring or spectacular. Consider also smaller scale vegetational features which add striking and intriguing detail elements to the landscape (e.g., gnarled or wind beaten trees, and joshua trees).

Water

That ingredient which adds movement or serenity to a scene. The degree to which water dominates the scene is the primary consideration in selecting the rating score.

Color

Consider the overall color(s) of the basic components of the landscape (e.g., soil, rock, vegetation, etc.) as they appear during seasons or periods of high use. Key factors to use when rating "color" are variety, contrast, and harmony.

Adjacent Scenery

Degree to which scenery outside the scenery unit being rated enhances the overall impression of the scenery within the rating unit. The distance which adjacent scenery will influence scenery within the rating unit will normally range from 0-5 miles, depending upon the characteristics of the topography, the vegetative cover, and other such factors. This factor is generally applied to units which would normally rate very low in score, but the influence of the adjacent unit would enhance the visual quality and raise the score.

Scarcity

This factor provides an opportunity to give added importance to one or all of the scenic features that appear to be relatively unique or rare within one physiographic region. There may also be cases where a separate evaluation of each of the key factors does not give a true picture of the overall scenic quality of an area. Often it is a number of not so spectacular elements in the proper combination that produces

the most pleasing and memorable scenery - the scarcity factor can be used to recognize this type of area and give it the added emphasis it needs.

Cultural Modifications

Cultural modifications in the landform/water, vegetation, and addition of structures should be considered and may detract from the scenery in the form of a negative intrusion or complement or improve the scenic quality of a unit. Rate accordingly.

INSTRUCTIONS

Purpose: To rate the visual quality of the scenic resource on all BLM managed lands.
How to Identify Scenic Value: All Bureau lands have scenic value.
How to Determine Minimum Suitability: All BLM lands are rated for scenic values. Also rate adjacent or intermingling non-BLM lands within the planning unit.
When to Evaluate Scenic Quality: Rate for scenery under the most critical conditions (i.e., highest user period or season of use, sidelight, proper atmospheric conditions, etc.).
How to Delineate Rating Areas: Consider the following factors when delineating rating areas.

1. Like physiographic characteristics (i.e., land form, vegetation, etc.).
2. Similar visual patterns, texture, color, variety, etc.
3. Areas which have a similar impact from cultural modifications (i.e., roads, historical and other structures, mining operations, or other surface disturbances).

Explanation of Criteria: (See Illustration 1)
NOTE: Values for each rating criteria are maximum and minimum scores only. It is also possible to assign scores within these ranges.

SCENIC QUALITY
A = 19 or more
B = 12-18
C = 11 or less

Illustration 2 - Scenic Quality Inventory and Evaluation Chart

Key factors	Rating Criteria and Score		
Landform	High vertical relief as expressed in prominent cliffs, spires, or massive rock outcrops, or severe surface variation or highly eroded formations including major badlands or dune systems; or detail features dominant and exceptionally striking and intriguing such as glaciers. **Score 5**	Steep canyons, mesas, buttes, cinder cones, and drumlins; or interesting erosional patterns or variety in size and shape of landforms; or detail features which are interesting though not dominant or exceptional. **Score 3**	Low rolling hills, foothills, or flat valley bottoms; or few or no interesting landscape features. **Score 1**
Vegetation	A variety of vegetative types as expressed in interesting forms, textures, and patterns. **Score 5**	Some variety of vegetation, but only one or two major types **Score 3**	Little or no variety or contrast in vegetation. **Score 1**
Water	Clear and clean appearing, still, or cascading white water, any of which are a dominant factor in the landscape. **Score 5**	Flowing, or still, but not dominant in the landscape. **Score 3**	Absent, or present, but not noticeable. **Score 0**
Color	Rich color combinations, variety or vivid color; or pleasing contrasts in the soil, rock, vegetation, water or snow fields. **Score 5**	Some intensity or variety in colors and contrast of the soil, rock and vegetation, but not a dominant scenic element. **Score 3**	Subtle color variations, contrast, or interest; generally mute tones. **Score 1**
Influence of adjacent scenery	Adjacent scenery greatly enhances visual quality **Score 5**	Adjacent scenery moderately enhances overall visual quality. **Score 3**	Adjacent scenery has little or no influence on overall visual quality. **Score 0**

Key factors	Rating Criteria and Score		
Scarcity	One of a kind; or unusually memorable, or very rare within region. Consistent chance for exceptional wildlife or wildflower viewing, etc. ***Score 5+**	Distinctive, though somewhat similar to others within the region. **Score 3**	Interesting within its setting, but fairly common within the region. **Score 1**
Cultural modifications	Modifications add favorably to visual variety while promoting visual harmony. **Score 2**	Modifications add little or no visual variety to the area, and introduce no discordant elements **Score 0**	Modifications add variety but are very discordant and promote strong disharmony. **Score -4**

* A rating of greater than 5 can be given but must be supported by written justification.

Form 8400–1
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SCENIC QUALITY FIELD INVENTORY

Date

District

Resource Area

Scenic quality rating unit

1. Evaluators *(names)*

2. LANDSCAPE CHARACTER *(Feature)*

	a. LANDFORM/WATER	b. VEGETATION	c. STRUCTURE *(General)*
FORM			
LINE			
COLOR			
TEXTURE			

3. Narrative

4. SCORE *(Circle Appropriate Level)* *

	HIGH	MEDIUM	LOW	EXPLANATION OR RATIONALE
a. Landform	5	3	1	
b. Vegetation	5	3	1	
c. Water	5	3	0	
d. Color	5	3	1	
e. Adjacent Scenery	5	3	0	
f. Scarcity	5+	3	1	
g. Cultural Modification	2	0	-4	
TOTALS		+ + =		

SCENIC QUALITY CLASSIFICATION

☐ A 19 or more

☐ B – 12–18

☐ C – 11 or less

(Instructions on reverse)

INSTRUCTIONS

Following are the instructions for completing the form. The numbers correspond with the item numbers on the form.

1. **Evaluators.** List the names of the persons involved in the rating.

2. **Landscape Character.** Briefly describe the major features and elements in the landscape. Refer to illustrations 4, 5, 6, and 7 of the BLM Handbook 1-8431-1 for guidelines on the terminology to be used to describe the elements.

3. **Narrative.** Briefly describe the general character of the landscape as it relates to the immediate surroundings and to similar landscape features within the physiographic province.

4. **Scores.** Rate the scenic quality using the criteria and guidelines in the BLM Handbook 1-8410-1 Section II. Record the scores by circling the appropriate numbers. If the rating more appropriately falls between the listed numbers, write in the desired number and circle it. For example, if the desired number for "color" falls between 3 and 5, write in the number 4 and circle it. Explain any unusual factors affecting a rating under the "explanation and rationale" column. If more space is needed, continue the explanation on this page. After the ratings are completed total the scores and check the appropriate classification block.

☆ U.S. Government Printing Office: 1988-573-017/81455 R8

Form 8400–1
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SCENIC QUALITY FIELD INVENTORY

Date Aug. 15, 1985
District Moab
Resource Area Grand
Scenic quality rating unit 024

1. Evaluators *(names)* Bob Tumwater, Russ Grimes, Pete Jordon

2. LANDSCAPE CHARACTER *(Feature)*

	a. LANDFORM/WATER	b. VEGETATION	c. STRUCTURE *(General)*
FORM	Deeply cut side canyons with vertical walls leading into flat open valley w/ slow meandering river	Simple forms created by patterns in vegetation	Oval, elongated, and linear.
LINE	Horizontal and vertical in cliff formations, jagged ridge lines, and meandering river	Irregular, indistinct	Rounded, vertical
COLOR	Orange and greys dominant, deep blue in settling pond	Dark green in river bottom, grey elsewhere	Light green & grey
TEXTURE	Coarse	Medium grain, sparse, and uneven random.	Uneven

3. Narrative

This SQRU includes the flat and meandering river bed of the Colorado River and the deeply dissected canyons to the north. It differs in landform and vegetation from the surrounding areas. The rock formations and topography are fairly common in the physiographic province but it is uncommon to have a river flowing through this type of landscape. The potash plant which lies in the middle of this area is a major visual intrusion which can be seen from several overlooks and the river.

4. SCORE *(Circle Appropriate Level)**

	HIGH	MEDIUM	LOW	EXPLANATION OR RATIONALE
a. Landform	5 (4)	3	1	
b. Vegetation	5	3 (2)	1	
c. Water	(5)	3	0	
d. Color	(5)	3	1	
e. Adjacent Scenery	5 (4)	3	0	See explanation on reverse
f. Scarcity	5+	(3)	1	
g. Cultural Modification	2	0	(-3) -4	
TOTALS	18 +	5 +	(-3) =	20

SCENIC QUALITY CLASSIFICATION

- [x] A 19 or more
- [ ] B – 12–18
- [ ] C – 11 or less

(Instructions on reverse)

Rel. 8-28
1/17/86

INSTRUCTIONS

Following are the instructions for completing the form. The numbers correspond with the item numbers on the form.

1. **Evaluators.** List the names of the persons involved in the rating.
2. **Landscape Character.** Briefly describe the major features and elements in the landscape. Refer to illustrations 4, 5, 6, and 7 of the BLM Handbook 1-8431-1 for guidelines on the terminology to be used to describe the elements.
3. **Narrative.** Briefly describe the general character of the landscape as it relates to the immediate surroundings and to similar landscape features within the physiographic province.
4. **Scores.** Rate the scenic quality using the criteria and guidelines in the BLM Handbook 1-8410-1 Section II. Record the scores by circling the appropriate numbers. If the rating more appropriately falls between the listed numbers, write in the desired number and circle it. For example, if the desired number for "color" falls between 3 and 5, write in the number 4 and circle it. Explain any unusual factors affecting a rating under the "explanation and rationale" column. If more space is needed, continue the explanation on this page. After the ratings are completed total the scores and check the appropriate classification block.

Comments on 4f – Adjacent scenery: The high scenic rating of "4" was given to this factor because of the high scenic value of the surrounding areas that can be seen from within the SQRU. These scenic areas include Behind-the-Rocks area, Canyonlands country, and the La Sal mountains.

☆ U.S. Government Printing Office: 1988-573-017/81455 R8

Form 8400-5
(May 1984)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Date

District

Resource Area

SCENIC QUALITY RATING SUMMARY

1. Evaluators *(names)*

SCENIC QUALITY RATING UNITS (1)	Landform (2)	Vegetation (3)	Water (4)	Color (5)	Adjacent Scenery (6)	Scarcity (7)	Cultural Modification (8)	Total Score (9)	Scenic Quality Rating (10	EXPLANATION (11)

INSTRUCTIONS

Form is used in conjunction with the Scenic Quality Inventory and Evaluation Chart.

Form 8400
(May 1984)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SCENIC QUALITY RATING SUMMARY

Date: Aug. 16, 1985
District: Moab
Resource Area: Grand

1 Evaluators (*names*): Bob Tumwater, Russ Grimes, Pete Jordon

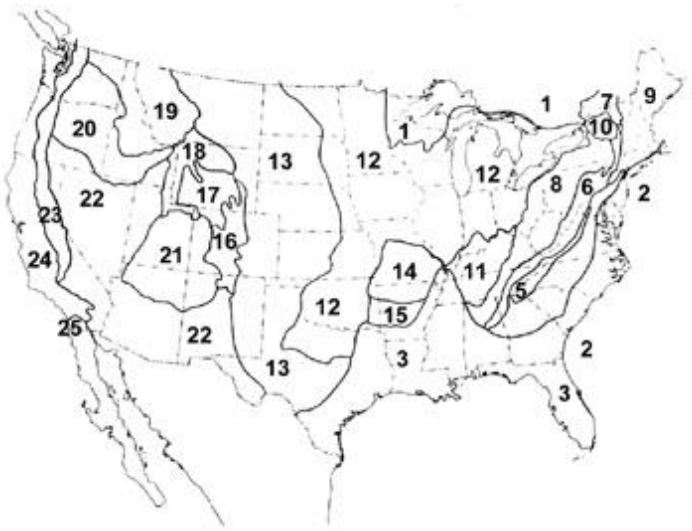
SCENIC QUALITY RATING UNITS (1)	Landform (2)	Vegetation (3)	Water (4)	Color (5)	Adjacent Scenery (6)	Scarcity (7)	Cultural Modification (8)	Total Score (9)	Scenic Quality Rating (10)	EXPLANATION (11)
001	3	4	5	4	2	2	0	20	A	colorful waterway
002	3	1	0	2	3	2	0	11	C	rolling hills, colorless, little veg.
003	2	1	0	2	3	2	0	10	C	flat, colorless, barren
004	4	3	4	4	3	1	0	19	A	water, scenic cliffs, & interesting veg.
005	4	3	0	4	4	3	0	18	B	scenic cliffs
006	1	1	0	2	2	2	0	8	C	flat, colorless, barren
007	4	4	5	4	3	2	0	22	A	water, riverside veg., colorful cliffs
008	3	3	0	3	3	3	0	15	B	good mixture of color, typo., & veg.
009	3	2	0	2	2	2	0	11	C	rugged but otherwise mountainous
010	1	2	0	2	3	2	0	10	C	mountainous but good view of N.P.

INSTRUCTIONS

Form is used in conjunction with the Scenic Quality Inventory and Evaluation Chart.

Illustration 5 - Physiographic Province Map - Continental United States

1946 – Prepared by Nevin M. Fenneman and USGS

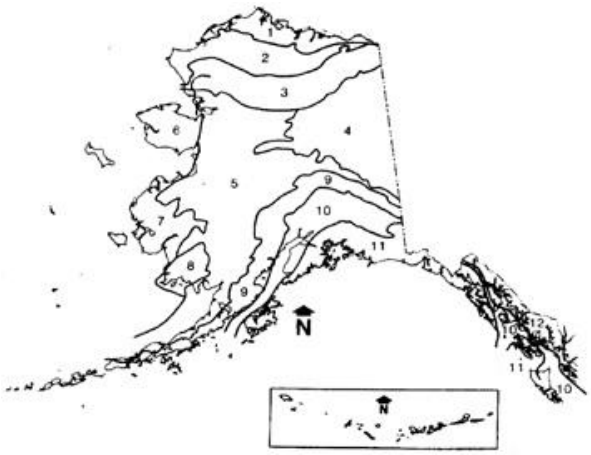


LEGEND

1. SUPERIOR UPLAND
2. CONTINENTAL SHELF
3. COASTAL PLAIN
4. PIEDMONT
5. BLUE RIDGE
6. VALLEY AND RIDGE
7. ST LAWRENCE VALLEY
8. APPALACHIAN PLATEAUS
9. NEW ENGLAND
10. ADIRONDACK
11. INTERIOR LOW PLATEAUS
12. CENTRAL LOWLAND
13. GREAT PLAINS
14. OZARK PLATEAUS
15. OUACHITA
16. SOUTHERN ROCKY MTNS
17. WYOMING BASIN
18. MIDDLE ROCKY MTNS
19. NORTHERN ROCKY MTNS
20. COLUMBIA PLATEAUS
21. COLORADO PLATEAUS
22. BASIN AND RANGE
23. CASCADE – SIERRA MTNS
24. PACIFIC BORDER
25. LOWER CALIFORNIA

Illustration 6 - Physiographic Province Map – Alaska

USGS PAPER NO. 482. CLYDE WAHRAFTIG

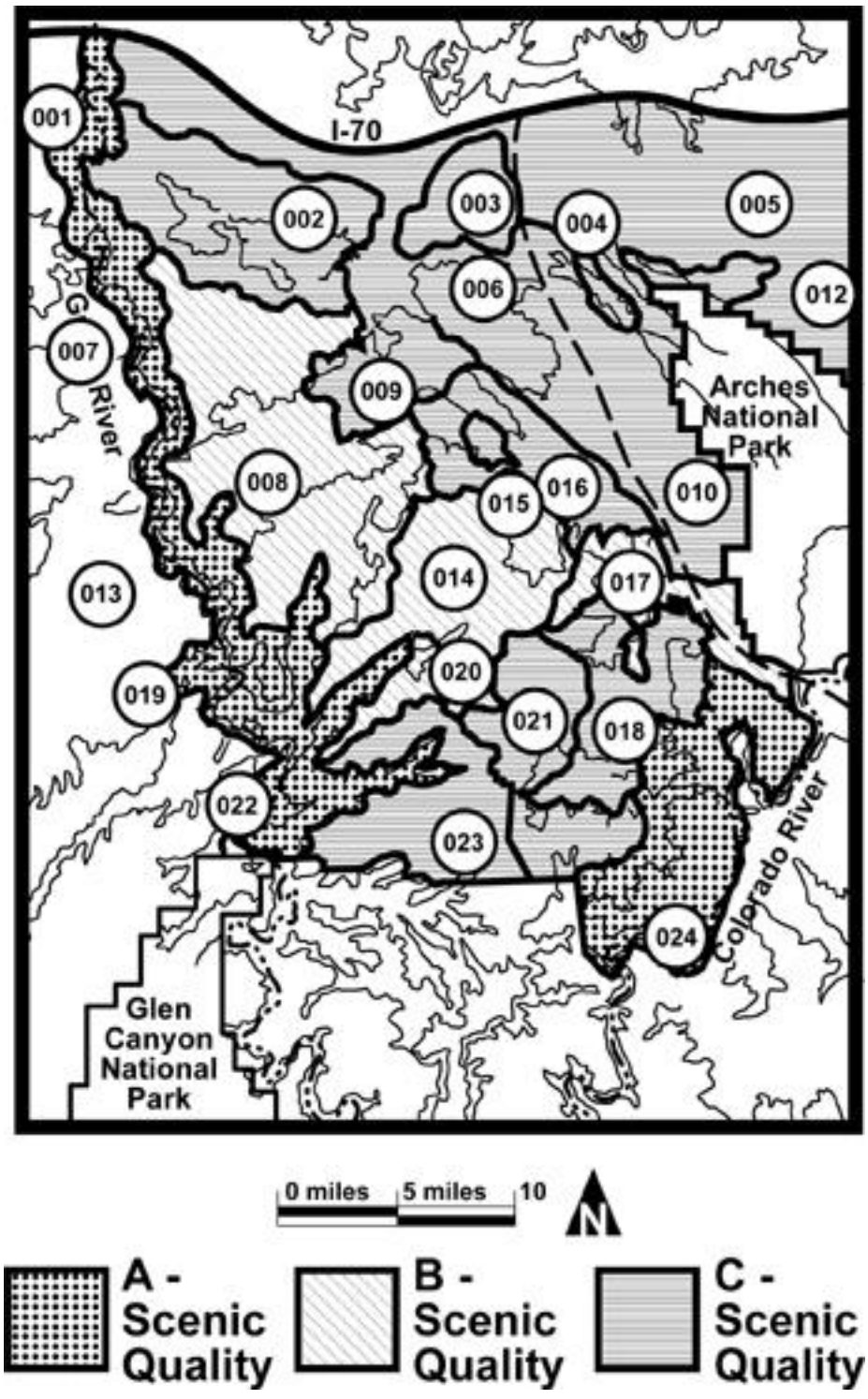


LEGEND

1. ARCTIC COASTAL PLAIN
2. ARCTIC FOOTHILLS
3. ARCTIC MOUNTAINS
4. NORTHERN PLATEAUS
5. WESTERN ALASKA
6. SEWARD PENINSULA
7. BERING SHELF
8. AHKLUN MOUNTAINS
9. ALASKA – ALUTIAN
10. COASTAL TROUGH
11. PACIFIC BORDER RANGES
12. COAST MOUNTAINS

Illustration 7 - Scenic Quality Overlay

Big Flat Squaw Park - West Planning Unit - Bureau of Land Management



Form 8400-6
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SENSITIVITY LEVEL RATING SHEET

Date

District

Resource Area

1. Evaluators *(names)*

SENSITIVITY LEVEL RATING UNIT (1)	Type of User (2)	Amount of Use (3)	Public Interest (4)	Adjacent Land Uses (5)	Special Areas (6)	Other Factors (7)	Overall Rating (8)	EXPLANATION (9)

(Instructions on reverse)

Form 8400-6
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SENSITIVITY LEVEL RATING SHEET

Date Aug. 15, 1985

District Moab

Resource Area Grand

Evaluators (*names*) Bob Tumwater, Russ Grimes, Pete Jordon

SENSITIVITY LEVEL RATING UNIT (1)	Type of User (2)	Amount of Use (3)	Public Interest (4)	Adjacent Land Uses (5)	Special Areas (6)	Other Factors (7)	Overall Rating (8)	EXPLANATION (9)
001	H	H	H	H	H	–	H	within f/m zone of I-70 & U163
002	H	L	M	L	H	–	H	visible from river & floatboat users
003	L	L	L	L	L	–	L	isolated area with low scenic values
004	H	M	H	M	M	–	H	f/m zone for State Park entrance road

(Instructions on reverse)

INSTRUCTIONS

Steps in the Sensitivity Level Analysis

1. Divide the inventory area into logical sensitivity rating units.

2. Analyze the factors which indicate visual sensitivity.

3. For each rating unit, rate each factor as high, moderate, or low using the following outline as a general guide:

   a. *Type of Users.* Maintenance of visual quality is:

      — a major concern for most users ..... High

      — a moderate concern for most users ..... Moderate

      — a low concern for most users ..... Low

   b. *Amount of use.* Maintenance of visual quality becomes more important as the level of use increases(see table below):

      — high level of use ..... High

      — moderate level of use ..... Moderate

      — low level of use ..... Low

   c. *Public Interest.* Maintenance of visual quality is:

      — a major public issue ..... High

      — a moderate public issue ..... Moderate

      — a minor public issue ..... Low

   d. *Adjacent Land Uses.* Maintenance of visual quality to sustain adjacent land use objectives is:

      — very important ..... High

      — moderately important ..... Moderate

      — slightly important ..... Low

   e. *Special Area.* Maintenance of visual quality to sustain Special Area management objectives is:

      — very important ..... High

      — moderately important ..... Moderate

      — slightly important ..... Low

4. Determine the over-all sensitivity level for each rating unit. This is a judgmental process which requires a careful analysis of all the above factors. Review the ratings given to each factor and analyze the relationship between factors. A high rating in any one factor does not necessarily mean that the over all sensitivity level rating should be high. For example, the rating for "type of users" might be high but the "amount of use" might be low. Consequently, the over-all rating could be low or moderate. Management should be involved in this rating process.

5. Record the ratings and explanation on the sensitivity level rating sheet.

TABLE FOR CLASSIFYING AMOUNT OF USE

TYPE AREA	HIGH	MODERATE	LOW
Roads & Highways	Greater than 45,000 visits/yr.	5,000-45,000 visits/yr.	Lesser than 5,000 visits/yr.
Rivers & Trails	Greater than 20,000 visits/yr.	2,000-20,000 visits/yr.	Lesser than 2,000 visits/yr.
Recreation Sites	Greater than 10,000 visitor days/yr.	2,000-10,000 visitor days/yr.	Lesser than visitor 2,000 days/yr.

Illustration 9 - Sensitivity Level Overlay

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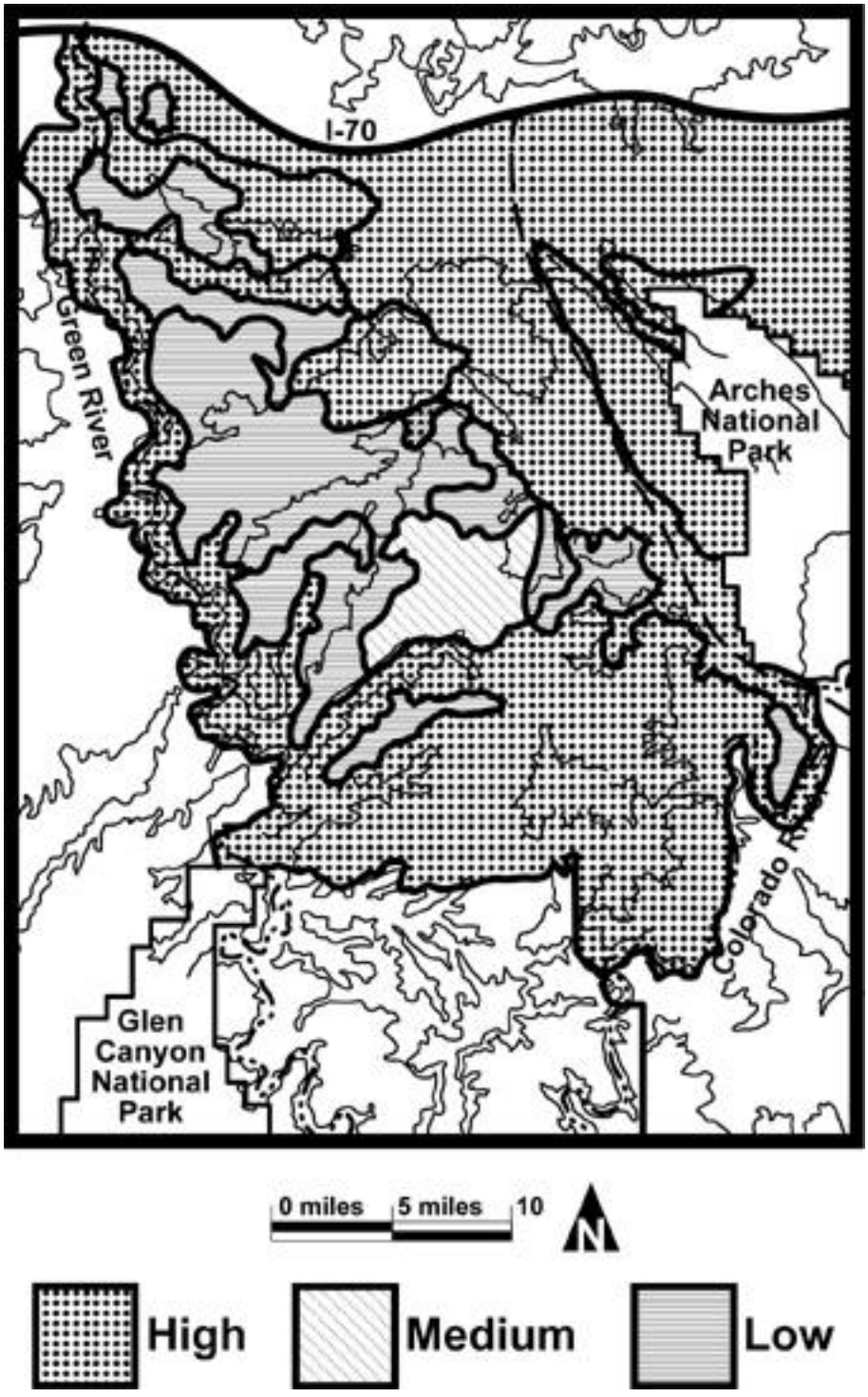


Illustration 10 - Distance Zone Overlay

Big Flat Squaw Park - West Planning Unit - Bureau of Land Management

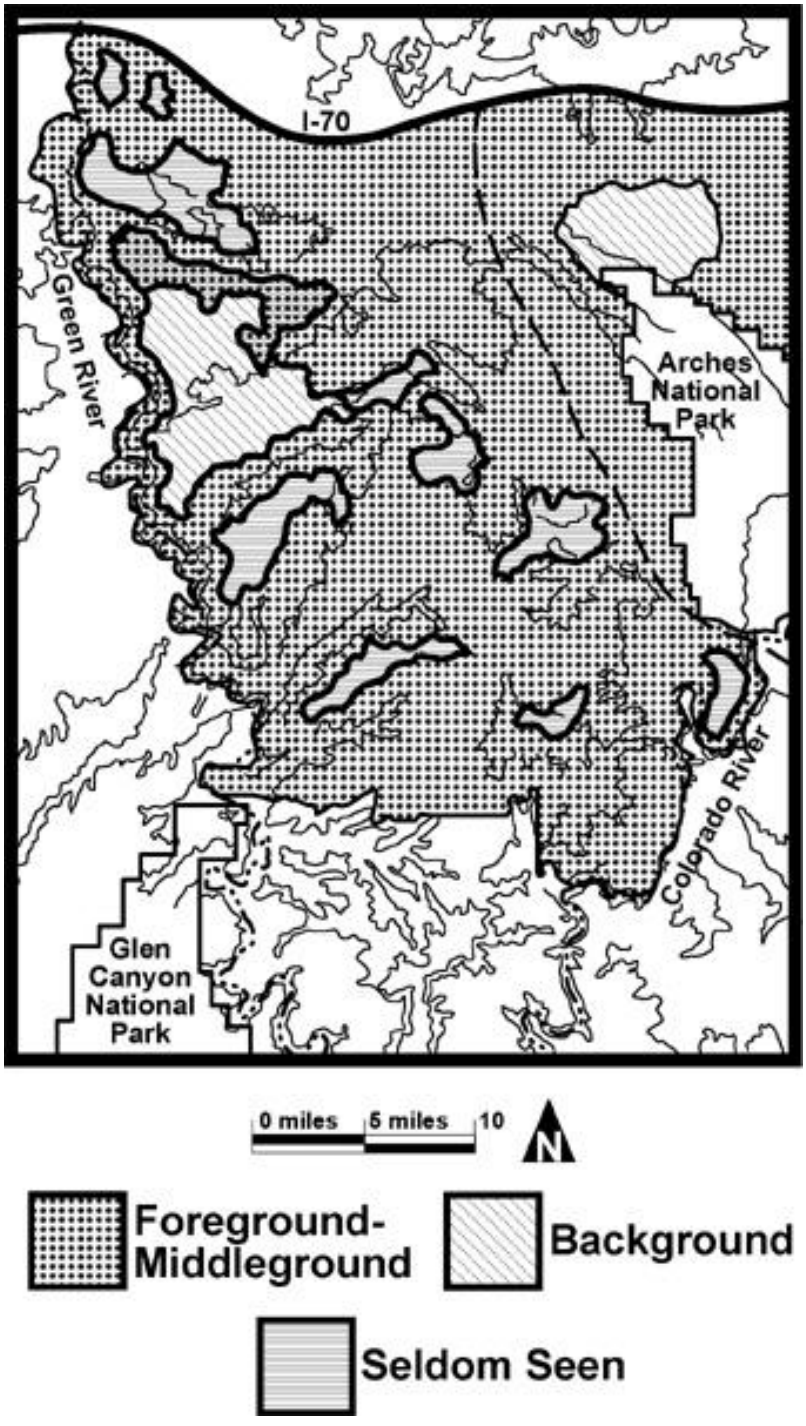


Illustration 11 - Determining Visual Resource Inventory Classes

A. Basis for Determining Visual Resource Inventory Classes

1. Class I. Class I is assigned to all special areas where the current management situations requires maintaining a natural environment essentially unaltered by man.

2. Classes II, III, and IV. These classes are assigned based on combinations of scenic quality, sensitivity levels, and distance zones as shown in the following matrix:

Visual Sensitivity Levels

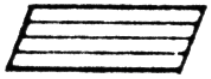
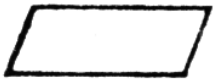
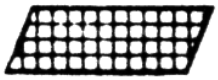
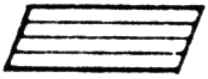
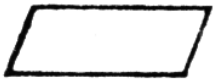
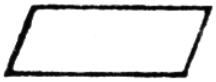
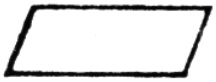
		High			**Medium**			**Low**
Special Areas		I	I	I	I	I	I	I
Scenic Quality	A	II	II	II	II	II	II	II
	B	II	III	III*	III	IV	IV	IV
				IV*				
	C	III	IV	IV	IV	IV	IV	IV
		f/m	b	s/s	f/m	b	s/s	s/s
		Distance Zones						

* If adjacent areas is Class III or lower assign Class III, if higher assign Class IV

B. How to Map Visual Resource Inventory Classes II, III, and IV.

Mapping inventory classes can be cumbersome and time consuming if not done in a systematic manner. Many systems have been developed to do this task. One that has been used effectively is:

Step I: Code each of the 3 overlays as follows:

Scenic Quality	A 	B 	C 
Sensitivity Levels	High 	Medium 	Low 
Distance Zones	F/M 	B 	S/S 

Step 2: Copy the codes from the overlays onto a single new overlay.

Step 3: Delineate the boundaries of the inventory classes on a new overlay using the following information as a guide:

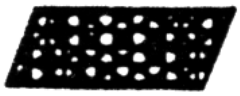
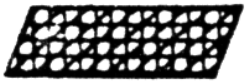
Class II	or more lines	
Class III	3 lines	
Class IV	2 lines or less	

Illustration 12 - Visual Resource Inventory Class Overlay

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