

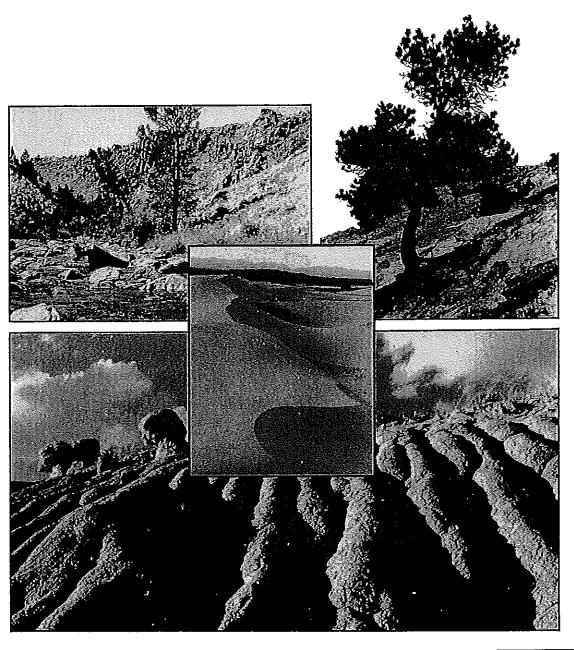
### U.S. Department of the Interior

Bureau of Land Management

Wyoming State Office

September 1991

### Wyoming Statewide Wilderness Study Report Wilderness Study Area Specific Recommendations



**Volume II** 

EXHIBIT

8

# Local Social and Economic Considerations

Local social and economic considerations were not an issue in the RIS. There were no impacts to the local economy or social character identified during the study of this WSA.

# summary of MSA - Specific Public Comments

History: During the inventory phase, nine comments were received on the Whiskey Mountain WSA. Four supported inclusion of this unit as a wilderness study area and five were opposed. All of the comments regarding this unit were general in nature and none were carried forward to the study phase to assist in identifying study issues or alternatives.

Draft EIS: During formal public review of the draft EIS (released in October, 1988), a total of 51 comments, both oral and written, were received. Of those, 20 oral statements were received at public hearings held in Riverton and Dubols, Wyoming in December, 1988. The remaining 31 comments were written responsed to the draft EIS. Comments received during the draft EIS review generally favored nonwildernoss designation for the Whiskey Mountain WSA.

Of all the comments received, four wore from foderal agencies and seven were from state agencies. No objections were raised by the foderal agencies. EPA's review did not identify any potential environmental impacts requiring substantive changes to the proposal. They also indicated that the draft EIS adequately set forth the impacts of the preferred alterative for the WSA. No state agencies expressed disagreement with the proposed action for the whiskey Mountain WSA, which is nonwilderness designation. Three state agencies, the Wyoming Game and Fish Department, the Goological Survey of Wyoming, and the Governor also concurred with the proposed nonwilderness from the Whiskey Mountain WSA, designation. He further indicated that the rationals for maintaining the WSA, as nonwilderness appears sound.

Comments were received from one local government, the Yown of Dubois. The town supports non-wilderness for the Whiskey Mountain WSA. They would like to see no ORV use and feel the area should be managed for protection of the Bighorn Sheep.

The public has provided comments throughout the wilderness review process on this WSA. The predominant feeling is that the area should be given protection but not designated as wilderness because the designation would restrict flexibility needed to manage the bighorn sheep habitat including habitat improvement projects such as land treatments and sheep trapping.

# ADOBETOWN WILDERNESS STUDY AREA (WSA)

## THE STODY AREA -- 85,710 acres

The Adobe Town WSA (WY-030-401 and WY-040-408) consists of a single study area administratively identified with two WSA numbers because the area is separated by the boundary between the Rawlins and Rock Springs Districts. The Adobe Town WSA includes 82,350 acres of EIM lands, 3,360 acres of split estate lands and 1,280 acres of state land (see Table 1). The WSA is located in southeastern Sweetwater County, 25 miles south of Wamsutter, Wyoming. The WSA is bounded on the nexth by the chekerboard land pattern and the Manual Cap road, on the west by the Adobe Town Rim road, on the south by the Shell Crook road, and on the east by the Willow Creek road (see Map 1).

The WSA was studied under Section 603 of the Federal Land Policy and Management Act (FLDMA) and was included in the Adobe Town-Forrio Mountains Munagement Act (FLDMA) and was included in the Adobe Town-Forrio Mountains Wilderness Environmental Impact Statement filed in January 1988. There were four alternatives analyzed in the EIS including All Wilderness, No Wilderness, Partial Wilderness which is the recommendation of this report that would designate 10,920 acres as wilderness and release 74,790 acres for uses other than wilderness, and another partial wilderness in which 16,280 acres would be designated as wilderness and 69,430 acres would be released for uses other than wilderness.

The 10,920 acros recommended for wilderness includes most of the core of the washakie Basin, an ancient inland sea. This portion of the WSA is a very colorful and rugged desert badland area virtually untouched by human activity. The mare of badlands formations, mesas, and buttes combine with brilliantly colored rock strata to create spectacular canyonland scenary. Skull Creek Rim, in the core of the area recommended for wilderness, contains some of the most unique and extensive badlands formations in Wyoming.

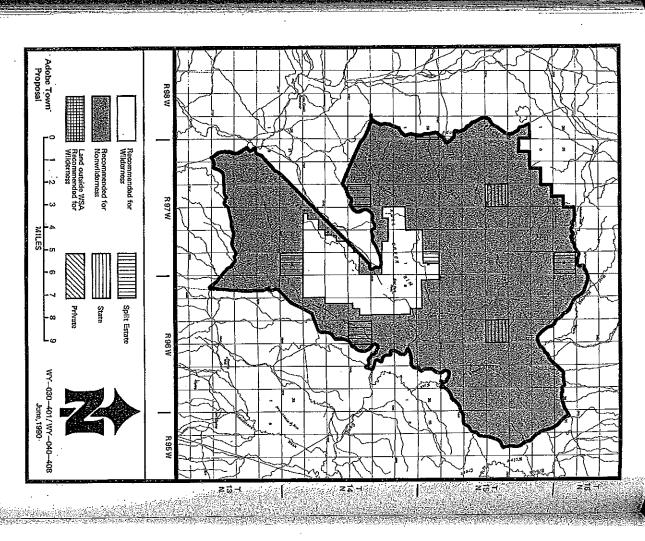


TABLE 1 - Land Status & Acreage Summary of the Study Area

Inholdings (State, Private)	Total BLM Land Not Recommended for Wilderness	Within the Area Not Recommended for Wildorness SIM Split Estate	Inholdings (State, private)	Within Wilderness Study Area  ELM (surface and subsurface) Split-metatate (ELM surface only) Split Betate (State, private) Inholdings (State, private) Total  Within the recommended wilderness boundary ELM (within WSA) ELM (cutside WSA) Split Betate (within WSA) Split Betate (within WSA) Split Betate (within WSA) Forn ELM Land Recommended for Wilderness
1,280	74,790	71,830 2,960	•	82,350 3,360 1,280 86,990 10,520 0 0 400 10,920

# RECOMMENDATION AND RATIONALE $\sim$ 10,920 acres recommended for wilderness 74.790 acres recommended for nonwilderness

The recommendation for this WSA is to designate 10,920 acres (10,520 acres rederal and 400 acres split estate) as wilderness and release 74,790 acres for uses other than wilderness (Map 1). The All Wilderness elternative is the environmentally proferable alternative as it would result in the least change to the natural environment. The recommendation would be implemented in a manner which would use all practical means to avoid or minimize environmental impacts. Appendix 1 lists all imboldings and split estate tracts and provides additional information on acquisition of imboldings and split estate minerals.

In rocommending the 10,920-acre portion of the WSA for wilderness, the exemplary quality of the area's wilderness values and the opportunity to add an ecosystem not presently part of the wilderness system were key an ecomsiderations. Because of the lack of man-made intrusions in the portion of the WSA recommended for wilderness designation, its naturalness is considered exceptional. The Skull Creek Rim area contains virtually no evidence of modern man. The wilderness inventory judged this portion of the WSA to be natural in appearance.

Designation of this portion of the WSA as wilderness would add an ecosystem not currently represented in the wilderness system. The entire 10,920 acres recommended for wilderness its within the Wyoning Basin/Saltbush-gressewood ecosystem. No designated wilderness areas contain this ecosystem.

Because the recommended portion of the WSA was part of an inland soa, it is rich in paleontological and archaeological resources. The Adobe from area is known as one of the three most valuable to in North America for certain types of mammalian fossils. Archaeological resources within the area are estimated to represent continual human occupation for the past 12,000 years.

A wilderness designation would not conflict with other recources uses in the 10,920 ecres recommonded for such a designation. Grazing of the area will be allowed to continue. The WSh as a whole has a high potential for natural gas production. It is estimated that the reserves within the WSh are in excess of one trillion cubic feet. There are no oil and gas leases or mining claims within the 10,920 acres recommended for wilderness. The recommendation for this WSh is projected to result in the recovery of approximately 80% of the total natural gas reserves within the WSh as compared to an 85% recovery rate under the no wilderness alternative. Thus, conflicts with wilderness management would be minimal.

The romaining 74,790 narses were recommended for nonwilderness because of the area's high potential for the devalopment of natural gas. The topography and drainage patterns of this portion of the WSA are not naturally limiting to development. Given the WSA's high potential for naturally limiting to development would indeed occur hero, with a potential for wells located throughout the nonwilderness portion. Currently there is no oil and gas activity in the area. Were any exploration or development to cocur, the activities would be managed to minimize environmental impacts. Construction activities would be limited to specific times of the year to protect wintering wildlife and neuting raptors. Excoion and impacts to water quality would be minimized by limiting facilities to areas away from live water and slopes in excess of 25%.

# CRITERIA CONSIDERED IN DEVELOPING THE WILDERNESS RECOMMENDATIONS

### Wilderness Characteristics

A. Maturalpess: The Adobe Town WSA is predemantly natural, with few human imprints. Skull creek Rim, in the core of the recommended area, is a very colorful and rugged desert bedland area, which consists of a series of highly eroded drainages and colorful badland rims. To the north of Skull Creek Rim is Monument Valley and Adobe Town Rim. These areas also contain badlands and formations similar to Skull Creek, but are more dispersed. To the east (the majority of the nonunitable area) is a broad, relatively undisturbed plain that is covered with stabilized sand dunes and alluvium. The few man-made intrusions in the WSA are minor and consist of activity associated with past oil and gas emplorations. There are several old livestook watering reservoirs, and two abandoned wild horse traps. Those intrusions are not noticeable and have a minimal impact on the total area.

- B. <u>Solitude:</u> The Adobe Town WSA contains outstanding opportunities for nolitude. The WSA's rugged badland rime and numerous canyons provide ample opportunities to avoid the sights and sounds of other visitors. The open desert plain, with its expanses of sagebrush and open scenic vistas, projects a feeling of vastness and solitude. Encounters among visitors would be more likely in this portion of the WSA, however, because of the relatively flat terrain.
- c. <u>Primitive and Unconfined Recreation:</u> The Adobe Town WSA, with its large size and varied topography, contains outstanding opportunities for primitive and unconfined recreation. The majority of the WSA provides opportunities for unconfined freedom of movement due to the open rolling hills and numerous drainages. Opportunities for hiking, backpacking, sightseeing, horseback riding, hunting, nature study, scientific study, and photography are available to the visitor. The outstanding scenic quality of this WSA enhances the recreational values.
- p. Special reatures: The WSA is nationally known for the educational and scientific study of paleontological resources. Possil remains of mammals are numerous and widely distributed throughout the area. Two notable mammalian fossils found in the area are the Uintathere and the Titanothere. The Uintathere was a large mammal about the size and configuration of an African rhinoceron. The species of Titanothere found in the WSA was a tayir-like nammal, about 40 inches in height. This area has been identified as one of the premier sites in North America for paleontological resources.

Significant archaeological resources are found throughout the WSA, representing continuous occupation by man from Paleo Indian through late Prehistoric periods, that is, for the past 12,000 years. The cultural site density of the WSA is estimated to be 30 surface sites per square mile, which is unusually high.

# Diversity in the National Wilderness Preservation System

h. Expanding the diversity of natural systems and features as conversented by ecosystems and landforms: Wilderness designation of the 10,920 acros of the WSA recommended in this report would add an ecosystem not precontly represented in the National Wilderness Preservation System. There are only four other BIM areas in the state under study with this occeystem, and the example in this WSA is judged to be the most natural of the areas studied in this state. The remaining 74,790 acros are within an ecosystem already represented in the wilderness system in one area in Wyoming. This information is summarized in Table 2.

Table 2 Ecosystem Representation

	Dry Domain/ Wyoming Basin Province/ Sagebrush Steppe		Dry Domain/ Wyoming Basin Province/ Saltbush-greasewood	Bailey-Ruchler Classification Domain/Province/PNV
1 67,026	1 67,026	O SNINGIA	NATION WIDE 0 0	NWPS Arens . Areas Acres
16 230,031	16 230,031	4 94,549	4 94,549	Other_BLM_Studiog

B. Assessing the opportunities for solitude or primitive recreation within a day's driving time, (five hours) of major population centers; The WSA is within a five hour drive of one major population center. Table 3 summarizes the number and acreage of designated areas and other HIM study areas within five hours drive of the population center.

Table 3
Wilderness Opportunities for Residents
of Major Population Centers

Casper, WY	Population Center
27 4,080,891	NWPS Areas corgs
32	Other BLM Studies
379,949	ястея
,	l

C. Balancing the geographic distribution of wilderness areas: The Adobe Town WSA would contribute to belancing the geographic distribution of areas within the National Wilderness Preservation System. Although there are several designated wilderness areas in south central Wyoning and north central

coloxado (78,870 acres in south central Wyoming and 312,483 acros in north central Coloxado, totaling 391,353 acres in 12 unita), there are no wilderness areas in southwest Wyoming or northwest Colorado. Designation of the Adobe Town WSA as wilderness would help fill this void.

Nanageability (the area must be capable of being offectively managed to prosorve its wilderness character).

The portion of the WSA preliminarily found suitable for wilderness is manageable as wilderness.

The portion of the WSA not recommended for wilderness would be manageable as wilderness. however, there are about 5,800 acres of pro-FRAMA leases within this portion of the WSA and the terrain and drainages do not necessarily limit development. The lease holdings are grouped in three geographic areas: (1) development without part of the WSA along the southern part of Monument Valley; the southeast parties around Adobe From Rim; and (3) scattered parcels in the northeast part of the WSA. Given the high potential for natural gas in the northeast part of the WSA. Given the high potential for natural gas in the wSA, it is quite probable that development would occur, with wells distributed throughout this portion of the WSA. Assuming a relatively even distributed of those wells throughout the nonwilderness portion of the WSA, the sights and counds of the machinery, access reads, and vehicles would necessarily threaten wilderness values over the long term. This would make wilderness management extremely difficult.

## Energy and Mineral Resource Values

The U.S. Geological Survey and U.S. Bureau of Mines prepared a mineral assessment for that portion of the Adobe Town WSA that is recommended for wilderness designation (U.S. Geological Survey Bulletin 1757-H, 1990). The results of that report provide the basis for the following information.

The potential for accumulations of natural gas in the Adobe Yown WSA is considered to be high. It is estimated that the Adobe Yown WSA is underlain with approximately 1-2 trillion cubic feet of natural gas.

No drilling has been done in the 10,920 acres recommended for wilderness, but 12 holes have been drilled in nearby areas. Three of these wells produced natural gas, ranging from 1,200 to 3,700 MCF (million cubic feet) of gas per day. All three of these wells were relatively deep (more than 10,000 feet). There are no wells producing gas within the entire MSA at this time.

The status of the oil and gas leases in the Adobe Town WSA has changed significantly since the final EIS was completed (see Map 7, Adobe Town-Perris Mountains Final EIS) and from that shown in the U.S.G.S./B.M. mineral report. The current status is reflected on Map 2. At the time that the EIS was written, there were two oil and gas units within the Adobe Town WSA, with a unit being a contiguous group of leases designed to drain the oil and gas reserves from a known reservoir in the most efficient manner.

once a well is drilled and proves to have commercial quantities of oil or gas, a "participating area" (PA) is set up around the well. The PA represents the area proven to be capable of producing in commercial quantities. The units automatically contract to the PA five years after the PA is satablished if diligent drilling within the unit does not occur. In the case of the Adobe The following comparative impact table (Table 4) summarizes the effects on pertinent resources for all the alternatives considered including designation or nendesignation of the entire area as wilderness. There are no mining claims in the Adobe Town WSA. The area was withdrawn from mining location by Executive Order 5327, April 15, 1930. The entire study area has low potential for undiscovered uranium, coal, zeolites, oil shale, and metallic minerals. by the units thus expired. Impacts on Other Resources

In addition, several other oil and gas leases have expired. There are now 5,800 acres of pre-FLFMA leases within the WSA being held by production or as participating areas. The remainder is either unleased or covered by post-FLPMA leases. rown WSA, the units contracted to the PAs and the pre-FIPMA leases being held

### TABLE 4 COMPARATIVE ANALYSIS OF IMPACTS ADDRE TOWN WSA

Issue Topics	Proposed Action (Partial Wilderness)	No Wilderness	Partial Wilderness-Z	All Wilderness
Wilderness Values	Naturalness end solitude lost on 75,110 acres in long term. Wilderness values retained on 10,600 acres.	Naturalness and solitude lost on 85,720 acres in long term. No legal protection of wilderness values on 85,710 acres.	Naturalness and solitude lost on 70,710 acres in long term; includes 1,280 acres in partial wilderness boundary. Wilderness values retained on 15,000 acres.	Naturalness and solitude lost on 39,300 acres in long term due to development of of pre-FLPMA leases. Wilderness values rateined on 46,410 acres.
Energy and Mineral Resources	Eighty percent of gas re- covered (80 billion cubic feet); 74,700 seres open to oil and gas leasing; 10,920 ecres closed to oil and gas leasing.	Eighty-five percent of gas recovered (% billion cubic fast; 85,710 acres open to oil and gas leasing.	Seventy-two percent of gas re- covered (72 billion cubic feet); 69,430 acres of nonellderness open to oil and gas leasing. 1,280 acres of wilderness open to oil and gas because of ex- isting pre-fiPMA leases; 15,000 acres closed to oil and gas leasing.	Thirty percent of gas recovered (35 billion cubic feet), 39,300 acres open to oil and gas develop- ment because of existing pre-FLPMA leases; 46,410 acres closed to oil and gas leasing.
DRV Use	Twenty-five visitor-days annually displaced from 10,720 acres. Insignificant ispacts due to better opportunities on nearby public land. QRY use limited to 490 miles of designated roads and trails on 74,790 acres.	Minor increase in vehicle accessibility; no significant impacts. ORV use limited to 520 miles of designated roads and trails on 85,710 acres.	fifty visitor-days annually displaced from 16,280 seres, Insignificant impacts due to batter opportunities on nearby public land. ORV use limited to 440 miles of designated roads and trails on 69,430 acres.	Two hundred visitor days annually displaced from 85,710 ecres; insignificant lepsot due to better opportunities on rearby public land.
Cultural Resources	Cultural resource surveys on 8,350 acres; 400 sites evaluated but destroyed. Sites on 10,600 ecres would remain undisturbed.	Cultural resource surveys on 9,075 scres; 425 sites eval- uated but destroyed.	Cultural resource surveys on 7,770 acres; 370 sites avaluated but destroyed. Sites on 16,250 acres would remain undisturbed.	Cultural resource surveys on 3,750 ecres; 175 sites evaluated but destroyed. Sites on 82,000 ecres would remain undisturbed.
Paleontological Resources	Adverse impacts to pale- ontological resources on 8,550 acres due to oil and gas activities. Beneficial impacts on 10,920 acres because aftes would remain undisturbed.	Adverse impacts to pale- ontological resources on 9,075 acres due to oil and gas activities.	Adverse impacts to pale- ontological resources on 7,770 acres due to oil and gas activities. Beneficial impacts on 15,000 acres be- cause sites would remain un- disturbed.	Adverse impacts to paleontological resources on 3,750 acres due to oil and gas ectivities on pre-FLPMA leases. Beneficial impacts on 46,410 acres of post-FLPMA and unleased lands because sites would remain undisturbed.
Livestock Grazing	No impacts.	No impacts.	No impacts.	Increased difficulty in managing domestic sheep on winter range; may result in voluntary nonuse of of 3,893 AUMs.

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### TABLE 4 Continued COMPARATIVE ANALYSIS OF IMPACTS ADOSE TOWN WSA

lesue Topics	Proposed Action (Partial Wilderness)	No Wilderness	Partial Wilderness-2	All Wilderness
Vildlife	No impacts to entelope. Hule deer displaced off of 40,000 to 76,790 acres, but can be easily accommodated in other areas.	No impacts to antelope. Nule deer displaced off of 85,710 acres, but can be easily accommodated in other areas.	No impacts to antelope, Rule deer displaced off of 70,710 acres, but can be easily accompodated in other areas,	No impacts to antelope. Virtually no displacement of mule deer.
Reptors	Out of a total of 22 fer- ruginous hawk nests, six to eight would produce fledglings.	Out of a total of 22 fer- ruginous heak mests, six to seven would produce fledglings.	Out of a total of 22 fer- ruginous hawk nests, eight to ten would produce fledglings.	Out of a total of 22 ferruginous hask mests, 12 to 13 would produce fledglings.

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# Local Social and Economic Considerations

Local social and economic considerations were not an issue in the EIS. There were no impacts to the local economy or social character identified during the study of this WSA.

## Summary of WSA-Specific Commonts

Inventery: During the inventory phase, 37 comments were received on the Adobe Town WSA. Twenty-seven supported inclusion of the unit as a wilderness study area, while ten opposed the unit's inclusion. Those who favored wilderness believed that the WSA had all the prerequisite wilderness characteristics necessary to qualify for wilderness study. Those opposed cited a desire to see the area managed for uses other than wilderness, the cited a desire to see the area managed for uses other than wilderness, the cited and potential for natural gas, and retention of motorized access.

<u>Draft ETS:</u> During formal public roview of the draft ETS, a total of 42 comments, both written and oral, were received. Of those, three oral statements were received at a public hearing held in Rawlins, Wyening; the remaining 39 comments were written responses to the draft ETS. In general, 24 comments favored wilderness designation for at least some of the WSA, and 13 favored no wilderness. Five comments addressed the relative merits of the ETS, but took no fermal position on wilderness designation or nondesignation:

environmental reservations regarding the DEIS Proposed Action and suggested that the Partial Wilderness alternative (now called Partial-2) be given further consideration. The National Park Service and the Fish and Wildlife Service favored the all wilderness alternative. The Bureau of Mines preferred Quality Division) had no comment. In addition, the Governor's Office had no overall position regarding wilderness designation, but were opposed to described in the draft EIS, and the Department of Environmental Quality (Water resources were implemented prior to any project authorization. supported the DEIS proposed action as long as protective measures for cultural Wyoming, the Oil and Gas Commission, and the State Engineer's Office supported the No Action alternative. Of the state agencies, the Geological Survey of the federal agencies, the Environmental Protection Agency indicated were from state agencies. No comments were received from local agencies. Of wilderness. Of all the comments received, 4 were from federal agencies and 8 on minoral potential and the desire to manage the area for uses other than exploitation of oil and gas. the public lands from environmental destruction caused by the commercial Support for wildernass designation stemmed from a desire to protect some of inclusion of state-owned land or mineral estates in BLM WSAs. Fish Department supported the 16,280-acre Partial Wilderness Alternative as favored the No Action alternative. The Wyoming Recreation Commission the DEIS proposed action of No Wilderness. The Department of Agriculture Opposition to wilderness but were opposed to designation was based The Game and