

United States General Accounting Office 33438 Report to Congressional Requesters

June 1987

FEDERAL LAND MANAGEMENT

Nonfederal Land and Mineral Rights Could Impact Future Wilderness Areas





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United States General Accounting Office Washington, D.C. 20548

Resources, Community, and Economic Development Division

B-227441

June 30, 1987

The Honorable Don Young Ranking Minority Member Committee on Interior and Insular Affairs House of Representatives

The Honorable Ron Marlenee Ranking Minority Member Subcommittee on National Parks and Public Lands Committee on Interior and Insular Affairs House of Representatives

This report responds to your request to review the potential problems facing the Congress in creating BLM wilderness areas containing privately owned or state-owned (nonfederal) land and mineral rights. Specifically, this report discusses (1) the extent of nonfederal land and mineral rights in BLM wilderness study areas, (2) the difficulties that BLM has experienced due to nonfederal land and mineral rights in areas that the Congress has designated as wilderness, and (3) the data that BLM is developing on nonfederal land and mineral rights to assist the Congress in designating wilderness areas.

As agreed, unless you publicly announce the contents of the report earlier, we plan no further distribution of this report until 10 days from its issue date. At that time, we will send copies to interested parties and make copies available to others on request.

This review was performed under the direction of James Duffus III, Associate Director. Major contributors are listed in appendix IV.

J. Dexter Peach Assistant Comptroller General

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Executive Summary

| Purpose | About 1.7 million acres of privately owned or state-owned lands and minerals exist within areas being studied by the Department of the Inte- rior's Bureau of Land Management (BLM) for inclusion in the National Wilderness Preservation System. In addition, many of these areas include mineral rights, such as mining claims and mineral leases. BLM's ability to preserve wilderness areas in their natural condition, as intended by wilderness legislation, could be limited if these nonfederal land and mineral rights are developed. But acquisition by the federal government of nonfederal land and mineral rights to prevent develop- ment can be difficult and costly. | | |
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| | Realizing the potential problems resulting from nonfederal ownership of land and mineral rights and to assist the Congress in its deliberations regarding the designation of future BLM wilderness areas, Representa- tives Don Young and Ron Marlenee asked GAO to review this matter. This report provides information on (1) the extent of nonfederal land and mineral rights contained in BLM's wilderness study areas, (2) the difficul- ties that BLM has experienced due to the presence of nonfederal land and mineral rights in areas that the Congress has designated as wilderness, and (3) the data that BLM is developing on nonfederal land and mineral rights in areas that the Congress will consider for wilderness designation. | | |
| Background | In passing the 1964 Wilderness Act, the Congress created the National Wilderness Preservation System, now totalling about 89 million acres, to preserve and protect the natural and pristine characteristics of federal lands in national forests, parks, and wildlife refuges. Subsequently, the Federal Land Policy and Management Act of 1976 (FLPMA) directed BLM to study lands under its management for potential designation as wilderness areas. | | |
| | As of June 1987, BLM was studying 860 areas with wilderness character- istics to determine which of the areas will be recommended for inclusion in the National Wilderness Preservation System. These areas, known as wilderness study areas, cover almost 25 million acres in the states of Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming. When the study process is completed, BLM will develop recommendations as to which areas should be designated as wilderness. BLM is required to submit its recommenda- tions through the Secretary of the Interior and the President to the Congress. | | |
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| | FLPMA requires that the Secretary's wilderness recommendations and supporting data reach the President no later than October 21, 1991, and that the President's recommendations must reach the Congress by Octo- ber 21, 1993. However, the Congress already began designating wilder- ness areas on BLM lands in February 1978 apart from BLM's wilderness study program. As of June 1987, the Congress had created 23 BLM wil- derness areas, 10 of which contain nonfederal lands and mineral rights. |
| Results in Brief | Many of BLM's 860 wilderness study areas contain nonfederal land and mineral rights that could be developed. BLM records show that 53 per- cent have some nonfederal land and minerals within their boundaries, covering 1.7 million acres. Many of these areas also include mining claims and mineral leases. |
| | These nonfederal land and mineral rights make it difficult for BLM to protect wilderness characteristics. For example, private owners have the legal right to gain access to their property, which could include con- structing roads through potential and existing wilderness areas. BLM has taken actions, including acquiring nonfederal land and mineral rights, to protect wilderness characteristics in BLM areas designated as wilderness. However, BLM officials are concerned that they could be faced with man- agement problems and costly acquisitions if additional wilderness areas are created containing nonfederal land and mineral rights. |
| | Although the President's wilderness recommendations are not due until 1993, the Congress has periodically considered legislation to designate BLM wilderness areas. BLM has pertinent information regarding nonfederal land and mineral rights within many of these areas, but only provides such information when specifically asked by the Congress. |
| Principal Findings | About 455 of BLM's 860 wilderness study areas contain privately owned or state-owned land and minerals that could be developed. In some areas, this nonfederal land and mineral ownership is extensive. For example, 32 study areas each contain more than 10,000 acres of nonfederal land and/or minerals. |
| | At the time of GAO's review, BLM had analyzed the mineral development potential of 374 study areas and estimated that development could occur in about 179 areas. If development occurs, BLM will be faced with the difficult task of protecting the areas' wilderness characteristics without infringing upon the owners' property rights. BLM instructed its |
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| | state offices to exclude, where possible, nonfederal land when drawing the boundaries of the areas to be recommended for wilderness. |
| | However, BLM acknowledged that some areas recommended for wilder- ness designation will include nonfederal land and mineral rights because these areas are essential to the overall character of the proposed wilder- ness area. Furthermore, BLM wilderness coordinators in the three states that GAO visited expressed concern that the Congress may designate wil- derness areas before BLM completes its study process or expand the boundaries of BLM's recommended wilderness areas. This, BLM believes, could result in wilderness areas' containing nonfederal land and mineral rights which may have to be acquired to prevent development or may cause wilderness management problems. In some cases, BLM has taken actions to protect wilderness characteristics in the areas that contain nonfederal land and mineral rights, including acquisition of such rights. (See ch. 2.) |
| | To assist the Congress in designating wilderness areas, BLM has instructed its state offices to include information on the extent, develop- mental potential, and possible acquisition costs of nonfederal land and mineral rights in the documentation supporting BLM's future wilderness recommendations. Based on GAO's review, information regarding state- owned lands that BLM field offices were collecting for inclusion in wil- derness study reports appears to be accurate. However, GAO found that some information on privately owned land within the study areas often did not show the number of privately owned parcels of land or the number of owners. Subsequently, on October 20, 1986, BLM issued a memorandum to its state offices requiring them to obtain more complete information on these lands from state and county records. (See ch. 3.) |
| Recommendations to the Secretary of the Interior | The Congress should base its wilderness designations on the best available information regarding nonfederal land and mineral rights within wilderness areas. Therefore, GAO recommends that the Secretary direct BLM to provide the Congress with available analyses regarding such nonfederal land and mineral rights for any wilderness legislative proposals being considered by the Congress. GAO also recommends that the Secretary require that the Director, BLM, ensure that all data are fully developed and included in the final wilderness study reports and other analyses supporting wilderness recommendations. |

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| Agency Comments | Interior stated that this report accurately and factually reflects the situ ation facing BLM in dealing with nonfederal land and mineral rights in designated wilderness areas and wilderness study areas. Furthermore, Interior agreed with GAO's findings and stated that it would implement its recommendations. However, it suggested that GAO modify its first recommendation to state that BLM should provide the Congress with such analyses "on a request basis originating from them." GAO believes that BLM should provide the information whether or not it is formally requested by the Congress. (See ch. 4.) |

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Abbreviations

| BLM | Bureau of Land Management |
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| FLPMA | Federal Land Policy and Management Act of 1976 |
| GAO | General Accounting Office |
| P.L. | Public Law |
| RCED | Resources, Community, and Economic Development Division |
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Introduction

| | Wilderness lands are to be preserved in a natural and pristine wilder- ness condition for the benefit and enjoyment of present and future gen- erations. In 1976, the Congress directed the Department of the Interior's Bureau of Land Management (BLM) to study its lands for possible inclu- sion in the National Wilderness Preservation System. However, much of the land BLM is studying for inclusion in the wilderness system contains (1) privately owned and state-owned land and minerals, (2) mining claims, and (3) mineral leases which could be developed, thereby damag- ing wilderness areas. Experience has shown that protecting wilderness areas from development activities can be difficult and expensive. This report discusses the extent of these nonfederal land and mineral rights in the areas that BLM is studying for possible inclusion in the wilderness system and the potential problems it could face if these areas become part of the wilderness system. ¹ |
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| Legislative Background and Historical Perspective | The National Wilderness Preservation System was established by the Wilderness Act of 1964, Public Law 88-577. The act's purpose is to pro- vide, for present and future generations, a long-lasting nationwide sys- tem of pristine, roadless, and undeveloped wilderness areas to be preserved and protected in their natural condition. The system, totalling about 89 million acres, is composed of federal lands that |
| • | are primarily affected by the forces of nature, with the imprint of man's work substantially unnoticeable; have outstanding opportunities for solitude or primitive recreation; are comprised of at least 5,000 acres or are of sufficient size to make practicable its preservation and use in an unimpaired condition; and may contain ecological, geological, or other features of scientific, educa- tional, scenic, or historical value. |
| | The act further provides that except for existing private rights, such activities as commercial enterprises, permanent or temporary roads, use of motorized vehicles or equipment, and structures or installations are prohibited. Generally, wilderness areas are "subject to valid existing rights," thus acknowledging the property rights of mineral and land owners, including their right to develop their own property. |
| | Four federal agencies manage lands as part of the National Wilderness Preservation System. Interior's National Park Service and Fish and |
| | ¹ The term "mineral rights," as used in this report, includes such property interests as mining claims, federal mineral leases, and ownership of the subsurface minerals. |

federal mineral leases, and ownership of the subsurface minerals.

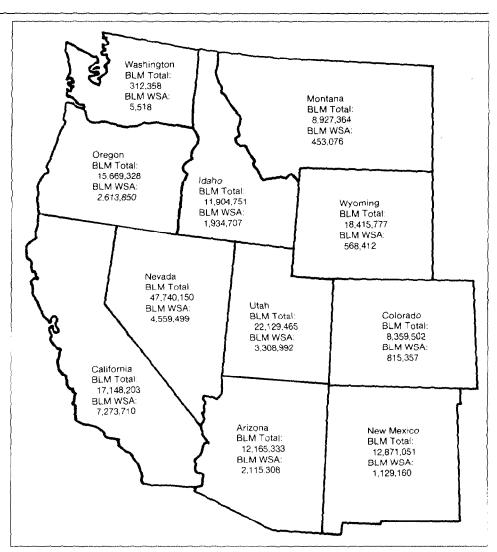
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| | Wildlife Service and the Department of Agriculture's Forest Service manage lands under their jurisdiction as wilderness under the 1964 Wilderness Act. Section 603 of the Federal Land Policy and Management Act of 1976 (FLPMA) gave BLM similar authority. FLPMA represents the first congressional mandate for BLM to review land under its management jurisdiction for possible inclusion in the wilderness system. To carry out the mandate, BLM developed a three-phase wilderness review process—inventory (essentially completed in 1980), study, and reporting—to identify areas with wilderness characteristics for the Completence of the first construction. |
| | gress. As of June 1987, BLM was reviewing 860 wilderness study areas covering 25 million acres in the states of Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming. ² (See fig. 1.1.) |
| | BLM is studying each area to determine whether to recommend the area as suitable or nonsuitable for inclusion in the National Wilderness Pres- ervation System. When the wilderness study process has been com- pleted, recommendations will be submitted through the Secretary of the |
| | Interior and the President to the Congress. FLPMA requires that Interior' recommendations reach the President by October 21, 1991, and that the President's recommendations reach the Congress by October 21, 1993. |
| 1984 GAO Report on Eastern Wilderness Areas | On July 26, 1984, we reported on problems associated with mineral rights in eastern wilderness areas managed by Agriculture's Forest Service. ³ Our report noted that the Forest Service experienced management and legal problems in trying to preserve wilderness areas and control mineral development. In addition, attempts by the federal government to acquire private minerals in wilderness areas have caused considerable controversy and congressional debate because of the high costs associated with the purchases. Furthermore, we found that the Forest Service's wilderness recommendations to the Congress were flawed because they were made without an analysis of the potential costs associated with acquiring private mineral rights or the problems and effects of private minerals on wilderness management. |
| | ²Section 1320 of the Alaska National Interest Lands Conservation Act of 1980 (P.L. 96-487; 94 Stat. 2371, 2487) excluded public lands in Alaska from BLM's wilderness study program as mandated by section 603 of FLPMA. ³See Private Mineral Rights Complicate the Management of Eastern Wilderness Areas (GAO/RCED-84-101, July 26, 1984). |
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Figure 1.1: Map of the Western United States Showing the Acreage of BLM-Managed Land and Wilderness Study Areas (WSA)



Source: Public Land Statistics, 1986, Bureau of Land Management, U.S. Department of the Interior.

Because the Congress did not have all the information necessary to make decisions regarding wilderness designations, we recommended that the Secretary of Agriculture direct the Forest Service to provide the Congress with this information for areas recommended for wilderness designation and for areas which, at the time, were included in legislative proposals. We stated that the information for each area should include (1) the likelihood of private mineral development, (2) the need to acquire private minerals, and (3) a range of estimated costs to acquire

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| | est Service had implemented our r | the Forest Service stated that the For- ecommendation and will continue to ial problems and expenses related to recommended for wilderness |
| Objectives, Scope, and Methodology | Don Young and Ron Marlenee requ problems facing the Congress in cr tain private minerals. On the basis requesters' offices, we agreed to al associated with the existence of st | ilderness legislation, Representatives lested that we review the potential reating BLM wilderness areas that con- of subsequent discussions with the lso look at those potential problems ate-owned minerals, privately owned claims and mineral leases in BLM's wil- we were asked to assess |
| • • • | areas that contain nonfederal land problems that BLM experienced in a owned land and mineral rights in t the National Wilderness Preservat problems BLM encountered in mana areas that contain privately owned rights, and | acquiring privately owned or state- he 23 BLM areas that are now part of ion System, aging the designated BLM wilderness I or state-owned land and mineral M during its wilderness study process |
| | officials having jurisdiction over B areas. In addition, we reviewed BL minerals; and mining claims and m wilderness study areas in Arizona, selected these 3 states for detailed the 860 study areas (42 percent) at | review because they contain 363 of nd 1.2 million of the 1.7 million acres 1 and minerals located within wilder- |
| | derness study areas, we reviewed to nonfederal land and mineral rights determine how those nonfederal la | on and management problems in wil- BLM information on the extent of in the 860 wilderness study areas. To nd and mineral rights might affect characteristics, we obtained the views |
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of BLM officials in each of the state offices responsible for managing wilderness study areas. We also contacted land and mineral owners, and environmental groups to obtain their views. Finally, we made on-site visits, accompanied by BLM officials, to both designated wilderness areas and wilderness study areas containing nonfederal land and mineral rights.

To assess the problems BLM encountered in acquiring privately owned or state-owned land and mineral rights in designated wilderness areas, we obtained information on the acquisition status of such rights from each of the BLM state offices responsible for managing designated wilderness. In the three states that we visited, we talked to BLM officials about their efforts to obtain those nonfederal land and mineral rights and to identify acquisition problems and their causes.

To identify problems BLM encountered in managing the designated areas as wilderness when they contain nonfederal land and mineral rights, we talked to BLM officials in each of the states with designated wilderness areas. We then reviewed available wilderness management plans and environmental analyses covering the designated wilderness areas. Through this review and discussion, we identified activities associated with nonfederal land and mineral rights within BLM wilderness areas that were inconsistent with the concept of wilderness, such as mining and road construction. After identifying the inconsistent activities, we talked to BLM officials about management alternatives for maintaining the wilderness character of those areas when land and mineral rights are developed.

To assess the information that BLM is developing on privately owned or state-owned lands and mineral rights to support its wilderness recommendations, we reviewed draft wilderness study reports, draft and final environmental impact statements, BLM maps on wilderness study areas showing the parcels of private or state lands, and data on the development potential of mining claims. We reviewed BLM's policies and procedures for developing cost estimates to acquire nonfederal land and mineral rights and obtained information on the status of these estimates from each of the three BLM state offices included in our review. We also obtained information on mining claims and potential mining activity in study areas from 10 BLM state offices.

To verify BLM's data on private land within wilderness study areas, we compared BLM's land ownership data with county tax records. We examined these records for all wilderness study areas in Arizona and

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New Mexico (47 and 36 areas, respectively) that BLM reported as containing nonfederal land, and for 4 of the 213 California study areas with nonfederal land. We limited our review of California areas because BLM (1) agreed that our findings indicated a larger problem and (2) took immediate action to correct the problems that we found concerning the subdivision of privately owned land. At each of the three state BLM offices, we discussed the discrepancies between county tax records and BLM records with BLM officials to verify that problems existed. We also reviewed procedures BLM used in developing information on privately owned and state-owned land in those states, and confirmed, by phone, that the seven other BLM state offices with wilderness study areas were using the same procedures that the states we visited used.

We conducted our review from February through December 1986 in accordance with generally accepted government auditing standards.

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BLM's Wilderness Areas and Wilderness Study Areas Contain Nonfederal Land and Mineral Rights

| | The development of nonfederal land and mineral rights can limit BLM's ability to effectively manage and protect wilderness areas. Many of the areas BLM is studying for inclusion in the wilderness system contain extensive nonfederal land and mineral rights which could be developed, and it is likely that some of these areas will be designated by the Congress as wilderness areas. BLM has taken action including acquiring nonfederal land and mineral rights in some designated wilderness areas to minimize the damage to wilderness characteristics. However, BLM officials have experienced difficulty in acquiring land from some private owners in designated wilderness areas areas and are concerned that they could be faced with difficult and costly acquisitions as additional BLM wilderness areas that contain nonfederal land and mineral rights are designated by the Congress. |
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| Concern Exists About the Extent and Development Potential of Nonfederal Land and Mineral Rights | Although designated wilderness areas are to be preserved and protected in their natural condition, the 1964 Wilderness Act and FLPMA recog- nized that legal property rights could exist in areas at the time of wil- derness designation and provided for their development and use. ¹ In general, nonfederal land and mineral owners within BLM wilderness areas and study areas may exercise their property rights in ways that could damage wilderness characteristics. For example, they may use motorized vehicles to gain access to their property, construct roads, mine, subdivide and sell, or otherwise develop their lands. As a result, in some areas, BLM land managers are faced with the dilemma of protecting wilderness characteristics without infringing upon the legal property rights of private or state owners. |
| | BLM instructed its state offices to exclude, where possible, nonfederal land when drawing the boundaries of the areas it will study and recom- mend for wilderness designation. However, BLM acknowledged that some areas that will be recommended for inclusion in the wilderness system |
| | ¹ Ownership patterns of surface and mineral rights resulted from government land disposal policies of the mid-1800s, when the Congress passed a series of laws designed to help settle and develop the West. The laws included: the Homestead Act of 1862, which allowed settlers to claim 160 acres of public land and gain title to that land after 5 years of residence; the Morrill Land Grant Act of 1862, which provided states and territories with public land to build schools to teach agriculture and military tactics; the Pacific Railroad Act of 1862, as amended, which granted railroads twenty 640-acre sections of land for each mile of track as an incentive for constructing transcontinental railroads; and the Mining Law of 1872, which allows private parties to gain title to the land containing their mining claims. Furthermore, since leaving federal government, states, or individuals own both the surface property and subsurface minerals. In other areas, known as "split-estates," the federal government owns the surface, but private owners or states retain possession of the mineral rights. |

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| | Chapter 2 BLM's Wilderness Areas and Wilderness Study Areas Contain Nonfederal Land and Mineral Rights |
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| | will include nonfederal land and mineral rights because those areas are essential to the character of the proposed wilderness area. BLM wilder- ness coordinators in the three states that we visited expressed concern that the Congress may designate additional wilderness areas before BLM completes its study process or expand the boundaries of BLM's recom- mended wilderness areas. This, they believe, could result in the need to acquire additional areas containing nonfederal land and mineral rights to prevent development and avoid wilderness management problems. The following is a discussion, based on our analysis of BLM data, of the type, extent, and development potential of nonfederal land and mineral rights in BLM wilderness study areas. |
| State and Private Lands in Study Areas | Many of BLM's 860 wilderness study areas contain nonfederal lands that may be developed, and BLM is required to provide the owners legal access to their property, which could include constructing roads through wilderness areas. BLM records show that 455 of the 860 BLM study areas (52 percent) have some nonfederal lands within their boundaries. (For the amount of nonfederal land in each study area, see app. I.) Specifi- cally, BLM records show that Two hundred fifty-six BLM wilderness study areas contain privately owned lands covering 492,000 acres. Of these 492,000 acres, 22,000 con- tain privately owned surface rights, and the federal government owns the mineral rights. On the 470,000 remaining acres, private parties own both the surface and mineral rights. In 10 of the study areas, each had more than 10,000 acres of privately owned land. Two hundred forty-eight BLM wilderness study areas contain state- owned land covering 589 000 acres. In 10 of the study areas each had |
| Potential Mineral Development in Study Areas | owned land covering 589,000 acres. In 10 of the study areas, each had more than 10,000 acres of state-owned land. BLM officials expressed concern that as a result of mining claims, federal mineral leases, and privately owned and state-owned minerals, some of the areas being studied by BLM for possible inclusion in the wilderness system may be developed. BLM officials are reviewing all 860 study areas to determine where mineral development could occur. At the time of our review, BLM officials had assessed the mineral development potential in 374 wilderness study areas and estimated that some type of mineral development could occur in about 179 of these study areas. |
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The extent to which BLM can manage the development resulting from mining claims and federal mineral leases to protect wilderness characteristics depends on a number of factors such as when a mining claim was established, when a mineral lease was issued, and the specific conditions included in the lease.² In general, mineral development activities associated with mining claims and mineral leases in wilderness study areas may be regulated to preserve wilderness characteristics. However, FLPMA recognized mining claims and mineral leases as valid existing rights if they were established on or before October 21, 1976, and BLM's ability to regulate the development of such rights is limited. In addition, FLPMA states that mining and leasing activities occurring on or before October 21, 1976, may continue in the same manner and to the same degree that they were being developed before FLPMA became law even if this would damage the wilderness characteristics of the study area.

Mining ClaimsBLM state offices are developing information regarding the number of
mining claims in BLM wilderness study areas. At the time of our review,
these data had been developed for 394 of the 860 study areas. They
showed that 178 (45 percent) of the 394 study areas contain mining
claims. The BLM study area containing the largest number of claims was
the Panoche Hills South Wilderness Study Area, California, which con-
tained 7,570 mining claims. (For the number of mining claims in each of
the 178 study areas, see app. I.)

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FLPMA provides that while mining claims cannot be established once an area is included in the wilderness system, claims can be established in BLM wilderness study areas. BLM officials told us that although mining claims may exist in a study area, they will not necessarily be developed and thus not all will pose a threat to wilderness characteristics. However, they expect that mining claims in some study areas may be developed. For example, a BLM official expressed concern over the possibility that patented (privately owned) mining claims in Colorado's Red Cloud Peak Wilderness Study Area may be developed. Two mineral owners have expressed interest in constructing access roads through this study area to develop their patented mining claims. According to BLM's draft environmental impact statement for the area, the two owners would

²The Mining Law of 1872 (30 U.S.C. 22, 29, 37) allows U.S. citizens to establish claims to valuable mineral deposits commonly referred to as "hardrock" minerals, such as gold, copper, silver, lead, and iron, that are located on federal lands. After a mineral deposit has been discovered, the claim holder may patent the claim and purchase the land and mineral rights from the government. The Mineral Lands Leasing Act of 1920 authorizes the Secretary of the Interior to lease; license; and permit disposal of oil, gas, and certain other minerals from federal lands.

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| | each construct roads 1 to 3 miles long across the wilderness study area, which would affect the wilderness characteristics of about 2,000 acres. |
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| Federal Mineral Leases | Information provided by BLM state offices shows that as of August 1985 (the latest available data), 339 study areas containing oil or gas leases, which covered over 2.6 million acres, were issued after FLPMA became law. BLM officials told us that as of March 1987, 245 federal oil and gas leases, which were issued before FLMPA's enactment, exist in 35 study areas. (Figures on the acreage amounts covered by these leases were not available from BLM. For the number of active oil and gas leases in each wilderness study area, see app. I.) |
| | In addition to oil and gas leases, eight pending preference right lease applications cover about 24,000 acres of BLM wilderness study areas in Colorado, New Mexico, and Utah for either coal or alunite—a mineral used to produce fertilizer. ³ As of March 1987, no development had occurred as a result of these preference right lease applications. BLM's headquarters' Branch Chief for Coal Leasing told us that no action has been taken on these applications because of a series of actions taken for environmental protection reasons including: a moratorium imposed by the Secretary of the Interior on issuing new leases during the 1970s, liti- gation by environmental groups, and a congressional ban on the process- ing of preference right lease applications involving designated or potential BLM and Forest Service wilderness areas. Because of the processing ban, BLM has not made a determination as to whether any of the lease applications are economically producible and thus cannot be sure whether leases will be issued. BLM headquarters and field officials familiar with the preference right lease applications in these areas will probably never be developed. |
| Privately Owned or State-Owned Minerals | One hundred forty-three of the 860 wilderness study areas contain nonfederal minerals. (For the extent of nonfederal minerals in each BLM wilderness study area see, app. I.) Specifically, BLM records show that |
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³The Mineral Lands Leasing Act of 1920 established the preference right leasing system by authorizing the Secretary of the Interior to issue exclusive prospecting permits which can be converted into leases if commercial quantities of coal are discovered. The Federal Coal Leasing Amendments Act of 1976 (P.L. 94-377) repealed this provision of the leasing act except for lease applications and prospecting permits that were in effect when the act passed (Aug. 4, 1976).

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| | Fifty-one BLM wilderness study areas contain private minerals covering about 486,000 acres. In 10 of these areas, each had more than 10,000 acres of privately owned minerals. One hundred four BLM wilderness study areas contain state-owned minerals covering 178,000 acres. Fifty-one of these areas are located in Oregon. In two wilderness study areas, each had 10,000 or more acres of state-owned minerals. Like mining claims and federal mineral leases, privately owned or state-owned minerals can lead to mineral development activities that could damage wilderness characteristics. Generally, ownership of subsurface minerals is accompanied by the right to use as much of the surface as is reasonably necessary to gain access to and develop these minerals. To regulate the development of private minerals, federal land managers must rely principally on terms and conditions in the original land patent or conveyance (deed of sale), which determines the extent and nature of the property rights, and applicable state and federal law and regulations, which establish limits on the use of the property rights. Because of the variations in conveyance documents (deeds) and state laws, the government's authority to regulate the development of private minerals in conveyance documents of private minerals on federal lands varies greatly. |
| BLM Actions to Minimize Impacts of Land and Mineral Development in Wilderness Areas | In February 1978, the Congress began designating wilderness areas on BLM lands. Nationwide, 10 of the 23 BLM areas designated as wilderness contain nonfederal land and mineral rights, some of which have been developed. At the time of our review, this development was not wide- spread. Furthermore, BLM was taking action, where possible, to minimize the impact of development on the areas' wilderness characteristics through regulation and/or acquisition of the nonfederal land and min- eral rights. The following discusses the development activities and acquisition actions that had occurred by the time of our review in the 10 wilderness areas containing nonfederal land and mineral rights. |
| Private Land Uses in Wilderness Areas | As of February 1987, BLM was allowing vehicle access through desig- nated wilderness areas to private landowners in 3 out of 10 designated areas with nonfederal land. The landowners in the other six wilderness areas gain access to their property without crossing the wilderness or do |

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not use vehicles to access that property. A brief description of the nature of the access to private property in the three areas follows:

Before the designation of California's Yolla Bolly-Middle Eel Wilderness Area, the California BLM state office authorized the construction of a road to provide access to timber on private property. The graded road passes through 4.5 miles of what is now the designated wilderness area. BLM restricts use of the road to private property owners, holders of federal grazing permits, and a timber company that has cutting rights on private property within the wilderness. (See fig. 2.1.)



- The De-na-zin Wilderness Area, New Mexico, contains 1,680 acres of Navajo Indian land, consisting of 11 parcels. BLM state officials told us that several dwellings are on the private land, but they are uncertain of the exact number. Though each of the original 11 Navajo Indian owners had 160 acres, the land has been passed down to their descendants and in one case, a 160-acre parcel is jointly owned by 84 people. The private landowners use motorized vehicles to access their property through five unimproved trails.
- Within the Arizona Mount Logan Wilderness Area, there are 40 acres of private land with corrals, a spring, and a watering tank. The private

Figure 2.1: View of the Road in the Yolla Bolly-Middle Eel Wilderness Area, California

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landowner has a grazing operation that extends into the designated wilderness area. BLM allows the rancher to use an unpaved road to gain access to the property. The state of New Mexico owns 1,280 acres of minerals in the De-na-zin Mineral Development in Wilderness Area, and Utah owns 2,194 acres of mineral rights in the Wilderness Areas Paria Canyon/Vermilion Cliff Wilderness Area. At the time of our review, however, BLM officials told us that no mineral development was occurring on the state-owned land in these areas. The Beaver Dam Mountains Wilderness Areas, Arizona, contained an operating gypsum mine when the Congress designated the area as wilderness in August 1984. This mine resulted from mining claims that (1)were established before the area was designated wilderness, (2) are considered to be valid existing rights, and (3) could be developed with only limited regulation by BLM. Although the operator planned to mine about 120 acres within the wilderness area, the mine---which ceased operation in December 1985—covers about 7 acres. (See fig. 2.2.) Figure 2.2: Gypsum Mine in the Beaver Dam Mountains Wilderness Area, Arizona

The BLM District Manager for this area said the mine is about 1-1/2 miles within the designated wilderness areas' boundaries and is integral to the

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| | area and its future manageability as wilderness. At the time BLM received the operating plan for the gypsum mine, he estimated that the mine could remain in operation for up to 30 years. As of February 1987, BLM officials were uncertain as to whether the operator would resume mining and said that no action had been taken by the operator to reclaim the mine site. |
| | A producing oil and gas well was included in the De-na-zin Wilderness Area, New Mexico, when it was designated as part of the wilderness system in 1984. The well resulted from a federal mineral lease issued before FLPMA's enactment and is considered a valid existing right. The well began production in 1983 and continued producing until March of 1985. BLM's Resource Area Wilderness Coordinator said that this oil and gas development disturbed 2 acres of the wilderness area in addition to damage caused by the use of a 1-mile access road through the desig- nated wilderness area. |
| | In addition, a BLM New Mexico state office leasing specialist identified 4 pending coal preference right lease applications covering about 8,000 acres in the existing New Mexico Bisti and De-na-zin wilderness areas. However, as discussed earlier, no development has occurred as a result of these lease applications and none is anticipated. |
| BLM Has Acquired Some Nonfederal Lands Within Wilderness Areas but Is Having Trouble Acquiring Others | Acquisition of nonfederal land and mineral rights offers the most effec- tive means of limiting or preventing development to protect wilderness characteristics. Experience to date has shown that because of the close working relationships between BLM and state agencies, it is easier to acquire state-owned lands than private lands in BLM wilderness areas. |
| BLM Attempts to Minimize Land and Mineral Acquisitions | BLM's policy authorizes it to acquire, through purchase, exchange, or donation, nonfederal lands and mineral rights located within designated BLM wilderness areas. However, recognizing the potential costs of a large-scale acquisition program, BLM has instructed its state offices that nonfederal lands and mineral rights should only be acquired when they are essential to ensure that the area can continue to be managed as wil- derness and where granting access to nonfederal land and mineral own- ers would have a significant adverse affect on the area. BLM may not |
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| | employ eminent domain or condemnation authority to acquire nonfederal inholdings in wilderness areas unless specifically authorized to do so by the Congress or unless the owner agrees to the acquisition.⁴ BLM policy is to pursue the acquisition or management of nonfederal wilderness land and mineral rights in the following order: through donation from the nonfederal owner, through a cooperative management agreement with the nonfederal owner, through exchange of the nonfederal land and mineral rights for BLM lands or minerals outside the wilderness area, or through purchase of the nonfederal land and mineral rights. As of February 1987, BLM had acquired 12,300 acres of state-owned lands and 278 acres of privately owned lands within the 23 designated wilderness areas it manages. In addition, BLM was to use \$500,000 from fiscal year 1986 appropriations and \$300,000 from fiscal year 1987 appropriations to acquire nonfederal land and mineral rights and in support of exchanges of nonfederal lands for other BLM land outside of the 23 wilderness areas.⁵ |
| BLM Actions to Acquire State Land | At the time that the Congress designated the 23 BLM wilderness areas, states owned roughly 21,800 acres of land and/or minerals within 9 of those areas. All of the state-owned land and minerals were located in the states of Arizona, California, New Mexico, and Utah. As of December 31, 1986, BLM had acquired, through exchange, all of the state-owned lands (including both the surface and underlying minerals) in the wilderness areas in Arizona—about 9,900 acres—and all of the state-owned land (surface only) in the New Mexico wilderness area —about 2,640 acres. BLM has not acquired the approximately 1,280 acres of state-owned minerals in New Mexico nor any of the state-owned land or minerals in California (about 300 acres) and Utah (about 2,100 acres of surface and subsurface minerals and an additional 2,194 acres of subsurface minerals). |
| | ⁴ Eminent domain refers to the authority of the federal government to take private property for pub- lic use after compensating the owner. This limitation is contained in Section 5(c) of the Wilderness Act of 1964 (16 U.S.C. 1134(c)). ⁵ Although the fiscal year 1986 appropriation was to be used for acquisitions of land and mineral rights within the 23 designated wilderness areas, the fiscal year 1987 appropriation may also be used |

rights within the 23 designated wilderness areas, the fiscal year 1987 appropriation may also be used to acquire nonfederal land and mineral rights in wilderness study areas.

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| | The Congress provided for the exchange of state land in the legislation creating the De-na-zin Wilderness Area, New Mexico. BLM initiated negotiations with New Mexico in January 1985 by providing the state with a list of BLM land that it was willing to exchange. The state did not consider the offered land comparable in value to the land and minerals it owned in the De-na-zin Wilderness Area, primarily because two 640-acre sections of the land it owned possessed mineral development potential, and the land that BLM was offering did not. (The state owned both the surface and subsurface for one 640-acre section and owned only the subsurface minerals in the other 640-acre section.) After a lengthy negotiation process, the state and BLM decided to complete the exchange in two parts, one part for the minerals of the two sections, and another part for the remaining surface in the area. BLM and the state completed the exchange for the land's surface rights in December 1986, and BLM is assessing the value of the two state sections of minerals and the value of BLM minerals in other areas in order to complete an exchange of minerals of approximately equal value. |
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| | BLM has not yet acquired any state lands within BLM wilderness areas in California and Utah primarily because those states have not placed a high priority on exchanging their land. However, state land officials in each of these states are interested in exchanging state lands in wilder- ness areas for other BLM lands. For example, a California state land com- mission official told us that the commission was charged with maximizing the return from state lands and believed that a greater return could be earned from lands outside of wilderness areas where growth is likely to increase the economic value of the land. However, he said that the wilderness lands had not been exchanged because the small acreage involved made it a low priority. |
| BLM Actions to Acquire Private Land | At the time that the Congress designated the 23 BLM wilderness areas, about 4,100 acres of private lands existed within the boundaries of those areas. We were told by BLM officials that about 40 percent of this land was owned by the descendants of 11 Navajo Indians (believed by BLM to total around 300 descendents today). The remaining 60 percent was owned by 19 other private parties. As of February 1987, BLM had acquired land from one rancher who owned 278 acres but had not acquired any other privately owned land. BLM wilderness coordinators in Arizona, California, and New Mexico told us that among the difficulties they have encountered or anticipate encountering, are (1) disagreements |

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| | with the private owners as to the value of their land and (2) a reluc- |
| | tance on the part of some of the private owners to sell or exchange their lands. |
| | Specifically, BLM has contacted or made efforts to contact all but 1 of the remaining 18 people who own land in the 23 designated wilderness areas. (The Forest Service is pursuing the acquisition with the one owner not contacted by BLM because the land is being managed by that agency.) Two owners did not respond to BLM's contacts, and BLM officials believe this could indicate a lack of interest to sell or exchange their lands. Three owners indicated that they were unwilling to sell or exchange their land. Twelve private owners indicated that they are willing to sell or trade their land, but BLM is uncertain as to how much of the private land it will be able to acquire. Negotiations with two of the private owners are stalled because the owners are asking for a sale price above what BLM believes is the fair market value of the land. For example, BLM estimates the value of one parcel of land at \$150 an acre, and the private land owner values the land at \$1,000 an acre. Local BLM personnel dealing with the private owners believe that others who have indicated that they man to sell or exchange their lands may also value their lands higher than BLM. |
| BLM Anticipates Difficulty in Acquiring Private Land and Mineral Rights in Future Wilderness Areas | BLM officials told us that they anticipate encountering many of the same problems in acquiring nonfederal land and mineral rights within wilder- ness study areas after they are designated as wilderness that they are now facing in the 23 designated areas. Furthermore, they believe that attempts to acquire private minerals to prevent development could be costly and difficult. Establishing a mutually agreeable value between BLM and the owner can be a major problem because of the many unknown and speculative values of mineral property. Moreover, meth- ods to determine fair market value of mineral rights, in the absence of market transactions, are very difficult to determine from a mineral value appraisal standpoint even though the valuation methodology has been proven. As appraisals are estimates of value, they are subject to dispute or question by both owners and professional appraisers. Because of the speculative or in some cases, the unknown nature of sub- surface mineral interests particularly when there are no available mar- ket data, it could be necessary to perform exploratory drilling to determine the extent of any mineral values. Such drilling activities could be costly and involve surface disturbance activities which could destroy the very wilderness values for which the interests are being considered for acquisition. |

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Chapter 3 **BLM Is Developing Information on Nonfederal** Land and Mineral Rights in Wilderness **Study Areas** BLM has instructed its state offices to include information on the extent, development potential, and possible acquisition costs of privately owned and state-owned land and mineral rights for inclusion in its wilderness study reports and other documents supporting wilderness recommendations. This information is intended to assist the Congress in making informed decisions when designating wilderness areas. We found that some of BLM's information regarding privately owned land within BLM study areas was incomplete. BLM officials have agreed to correct these problems and have issued appropriate instructions to its state offices. The primary goal of BLM's wilderness study process is to determine **BLM Wilderness Study** whether a study area is suitable for recommendation as wilderness. **Reports and Other** Analyses supporting BLM's recommendations are performed by BLM Data Are Intended to resource staff with public participation and input. For each study area, BLM officials consider, among other things, the area's naturalness and Assist the Congress in opportunities for solitude and primitive unconfined recreation. In addi-Making Informed tion, BLM officials attempt to identify all other uses of the area, such as Decisions potential mineral development, how wilderness designation could affect these potential uses, and how these potential uses could affect BLM's ability to manage the land as wilderness. FLPMA requires the Secretary of the Interior to submit to the President recommendations on the suitability of wilderness study areas for wilderness designation by October 21, 1991. These recommendations will be based on analyses contained in environmental impact statements and other data developed for each area. Wilderness study reports will also be supplemented by U.S. Geological Survey and the Bureau of Mines mineral surveys. Such surveys are conducted only on those areas where BLM has made a preliminary decision to recommend them as being suitable. As of March 1987, BLM had finalized environmental impact statements covering about 222 (26 percent) of the 860 wilderness study areas and prepared draft wilderness study reports for approximately 253 (29 percent) of those areas. The President must submit his recommendations to the Congress within 2 years of receiving the Secretary of the Interior's recommendations, but no later than October 21, 1993. These recommendations will be included in wilderness study reports for each wilderness study area accompanied by environmental impact statements, public hearing records, and mineral surveys. Information on state and private lands within each study area will be included in the wilderness study reports, and information

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| | on mineral rights within those areas will be included in either or both of the wilderness study reports and environmental impact statements. |
| Some BLM Information on Privately Owned Land Is Incomplete | Although information regarding state-owned lands that BLM field offices were collecting for inclusion in wilderness study reports appears to be accurate, some of the information on private land was incomplete. For example, information on privately owned land within study areas often did not show the number of privately owned parcels of land or the number of owners. We believe that this information is necessary for Congress' understanding of the potential difficulties and costs that BLM may face when trying to manage or acquire private lands. Although BLM's wilderness recommendations and reports are not due to the Presi- dent until l991, we confirmed BLM officials' suspicion that some of the data being collected were incomplete. In October 1986, BLM issued instructions to its state offices requiring the collection of more complete data. |
| | During our review, BLM headquarters officials suspected that the data being collected by BLM state offices showing acreage and ownership of state and private lands within wilderness study area boundaries could be incomplete. BLM state office officials explained that the difference between their records and county records occured because BLM only doc- uments the first change of ownership when the land is conveyed from the federal government. Subsequent sales and subdivisions of these lands are not generally included in BLM land title records. |
| | To determine the completeness of BLM's land ownership data, we reviewed county property tax records for four wilderness study areas in California and all wilderness study areas in Arizona and New Mexico with nonfederal lands (47 and 36 study areas, respectively). We found that BLM records were incomplete for private land in six study areas in Arizona, two study areas in New Mexico, and four areas in California. For those 12 wilderness study areas, BLM had underreported the number of owners and parcels of privately owned land. For example, according to BLM records, a major railroad owned a 640-acre section of land in Ari- zona's Black Mountain North Wilderness Study Area. However, our review of the Mojave County property records showed that this section of land had been subdivided into 272 parcels for a future housing devel- opment site and had 37 different owners. This section of land, originally conveyed to the railroad in 1922, had been subsequently sold and subdivided. |

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| | In another area—New Mexico's El Malpais Wilderness Study Area—BLM records showed 40 parcels of privately owned land in the study area, the majority of which were owned by a major railroad. However, county property records showed that the land had been subdivided into 131 parcels and was now owned by 65 different parties. |
| | BLM state officials that we spoke with in Arizona, California, and New Mexico, agreed that it could be more difficult to manage these areas if they were to be designated as wilderness because of the many subdivided land parcels and different owners that would have to be contacted. Furthermore, BLM officials said that if the properties had to be acquired sometime in the future to protect wilderness characteristics, acquisition could be more difficult and costly because the government would be negotiating with a larger number of owners. |
| | On October 6, 1986, we met with BLM's Assistant Director for Land and Renewable Resources and discussed the problems we found with BLM's land ownership data. He agreed that such information was essential to the Congress for making informed decisions on wilderness legislation and that immediate corrective action was necessary. On October 20, 1986, BLM issued an instruction memorandum to its state offices requir- ing that they review state and/or county records to obtain the most com- plete information regarding the number of parcels and owners of private lands for inclusion in wilderness study reports. |
| BLM Will Develop Cost Estimates for Acquiring Private Land and Mineral Bights in Wildorposs | Although at the time of our review, BLM's Arizona, California, and New Mexico state offices had not developed cost estimates for acquiring pri- vate land and mineral rights in wilderness study areas, BLM headquar- ters officials have told us that such information will be included in its wilderness study reports for those areas where acquisition by purchase with the use of appropriated funds is proposed. |
| Rights in Wilderness Study Areas | In our report on eastern wilderness areas discussed in chapter 1, we rec- ommended, and the Forest Service agreed, that the Forest Service should provide the Congress with data regarding the need to acquire private minerals and a range of estimated acquisition costs for each potential wilderness area containing privately owned minerals. We believe that when considering an area for wilderness designation, the Congress should know (1) if the area contains nonfederal property rights, (2) the impact that development of these property rights would have on wilderness characteristics, and (3) what it could cost to acquire |

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| | the property rights to prevent development that would damage wilder- ness characteristics. |
| | BLM's Chief, Branch of Wilderness Resources, agreed that the recommen- dations in our report to the Forest Service were also applicable to BLM's wilderness study process. Furthermore, in an April 1986 instruction memorandum to all BLM state directors, the BLM Director instructed that each wilderness study report should provide information on the esti- mated monetary values of the private land and mineral rights. The esti- mate is not to be a formal appraisal, but should be based on comparable estimated values for similar parcels or resources. BLM's wilderness coor- dinators in the states we visited said that no cost estimates had been prepared at the time of our review because they had just recently received instructions to prepare the estimates and because of higher pri- ority work, such as the preparation of environmental impact statements. These officials said that cost estimates would be prepared before the final wilderness study report is issued and would reflect the most cur- rent land and mineral values. |
| Analysis of Mineral Development Potential Is Lacking for Some Wilderness Study Areas | BLM has instructed its state offices to develop information regarding mineral development potential for all its study areas and to include it in the accompanying environmental impact statement. This information will alert the Congress to those potential wilderness areas where BLM could experience management problems and/or where nonfederal miner- als may have to be acquired to protect wilderness characteristics. Although BLM state offices, at the time of our review, had developed this information for about 374 of the 860 wilderness study areas, some drafts and completed environmental statements do not have adequate information on this subject. |
| | According to BLM's wilderness study policy, mining claims, mineral leases, rights of way, and other valid existing rights can limit BLM's abil- ity to manage an area effectively as wilderness, and therefore must be summarized and documented in either the environmental impact state- ment or wilderness study report for each area BLM recommends for wil- derness designation. The policy further states that recommended areas must be capable of being managed over the long term as wilderness. This policy was further clarified in a November 1986 memorandum |
| | from the Director, BLM, to all BLM state offices. In the memorandum, BLM |

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advised its state offices of the importance of information on the potential for mineral development in wilderness study areas. The memorandum required the state offices to prepare development scenarios in environmental impact statements which project the type and level of disturbance to the study area that could reasonably occur in the foreseeable future as a result of mining and other development activities. According to Interior's Chief, Land Management Section, Office of Environmental Project Review, no wilderness environmental impact statements will receive final approval without information detailing potential mineral development in the area.

BLM state officials in Arizona, California, and New Mexico told us that not all of the initial draft environmental impact statements covering wilderness study areas within their states discussed potential mineral development, as required by Interior's Office of Environmental Project Review. For example, the Arizona BLM Wilderness Planner said that environmental impact statements covering study areas in his state were inadequate because they only provided information on the number of the mining claims in study areas, and did not provide information on their developmental potential. However, BLM officials in the three states said that they were revising or updating the draft environmental impact statements to provide information on possible mineral development.

Mineral Development Information Lacking for the California Desert Conservation Area The California Desert Conservation Area contains 136 wilderness study areas.¹ Because the final environmental impact statement for this special area was approved before the requirements of the November 1986 memorandum were implemented, it does not contain information on the potential for mining activity in each study area. According to BLM's California wilderness coordinator, about 40,000 mining claims are located in those areas. According to BLM and the U.S. Geological Survey and Bureau of Mines mineral surveys, some of the study areas are highly mineralized and likely will be developed.

On January 12, 1987, we met with BLM's Chief, Branch of Wilderness Resources, and advised him of the situation with the California Desert Conservation Area's environmental impact statement. He told us that the California BLM state office would be instructed to provide summary information in the Desert Area's wilderness study reports for areas

¹Section 601 of FLPMA designated the California Desert Conservation Area, covering about 12.5 million acres of public land in southern California, and requires the Secretary of the Interior to manage this land in a manner which protects its environmental qualities.

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Chapter 3 BLM Is Developing Information on Nonfederal Land and Mineral Rights in Wilderness Study Areas identified as suitable for wilderness designation by adding information on potential mineral development. As of March 20, 1987, six bills had been introduced in the 100th Con-**BLM** Provides gress recommending wilderness designation of BLM-managed lands cov-Information on ering about 4.4 million acres. Some of these bills would designate areas Nonfederal Land and that were not identified as wilderness study areas during BLM's inventory phase, and thus are not now being studied for wilderness potential Mineral Rights for by BLM. Others would designate areas that are being studied by BLM, but Pending Legislation the study is not yet complete and a final BLM recommendation is not When Requested available on which areas should be included or excluded from the area designated as wilderness because of nonfederal inholdings. BLM's Chief, Branch of Wilderness Resources, told us that BLM is not always aware of wilderness legislation considered by the Congress outside of BLM's study program. As a result, BLM does not provide the Congress with information regarding nonfederal land and mineral rights for any wilderness legislation considered prior to the completion of BLM's study program unless requested to do so by the Congress. According to the Branch Chief, when requested, BLM alerts the Congress to any nonfederal land and mineral rights in an area being considered for wilderness designation through testimony and a written report. The report, which outlines Interior's position on the bill, also contains information on any significant nonfederal land and mineral rights within the area being considered for designation. A report of that type, however, is less detailed than a wilderness study report developed through BLM's study

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process.

Conclusions and Recommendations

One of the significant problems facing the Congress in creating wilderness areas on land managed by BLM is the potential difficulty in designating only those lands that BLM can maintain, for the most part, in a pristine, roadless, and undeveloped condition. Creation of wilderness areas without adequate information on nonfederal land and mineral rights that exist within an area may result in the designation of wilderness areas containing an extensive amount of such rights. The development of these rights may threaten the area's wilderness characteristics. Furthermore, in those areas where land and mineral development occur, BLM officials would be faced with the dilemma of protecting wilderness characteristics without infringing upon the legal property rights of private or state owners.

While we believe that the existence of nonfederal lands and mineral rights within a wilderness study area should not necessarily exclude that area from consideration for wilderness designation, we also believe that the long-range impact that such rights could have on the wilderness character of an area should be considered. For example, mining, road construction, and other activities associated with the development of land and mineral rights, mining claims, mineral leases, and other nonfederal property rights that damage wilderness characteristics can be expected to occur in BLM wilderness areas and in many of the 860 wilderness study areas. The timing, frequency, and location of these development proposals are difficult to predict.

At the time of our review, the preliminary information that BLM had developed on areas to be considered for wilderness designation did not always include information on nonfederal land and mineral rights that is essential to informed congressional decisions on wilderness legislation. However, BLM has taken action to obtain this information for its final reports. Specifically, BLM has instructed its state offices to develop data regarding (1) the number of land parcels and owners of state and private land in study areas, (2) acquisition cost estimates for nonfederal land and mineral rights, and (3) areas with the potential for mineral development.

We share BLM officials' concern that the Congress may designate wilderness areas before BLM's wilderness study program is completed or expand the boundaries of BLM's recommended areas. The process of designating BLM wilderness areas is just beginning and it is likely that the Congress will consider many areas, including some of the 860 study areas, for wilderness designation before BLM's wilderness studies are completed. The designation of additional wilderness areas containing

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| | nonfederal property rights could cause possible acquisition costs or management problems. BLM has pertinent information on nonfederal land and mineral rights within many of these areas, but provides such information only when specifically asked by the Congress. We believe that for any legislative proposals that would create additional BLM wil- derness areas before BLM's study process is completed, BLM should pro- vide the Congress with all available information concerning nonfederal land and mineral rights within the areas being considered. | | | | |
| Recommendations to the Secretary of the Interior | The Congress should base its wilderness designations on the best available information regarding nonfederal land and mineral rights within wilderness areas. Therefore, we recommend that the Secretary of the Interior direct BLM to provide the Congress with available analyses regarding such nonfederal land and mineral rights, for any wilderness legislative proposals being considered by the Congress. We also recommend that the Secretary require the Director, BLM, to ensure that all data are fully developed and included in the final wilderness study reports and other analyses supporting wilderness recommendations. | | | | |
| Agency Comments | Interior stated that our report accurately and factually reflects the situ- ation confronting BLM regarding nonfederal land and mineral rights in BLM's designated wilderness areas and wilderness study areas. Further- more, Interior agreed with our findings and stated that it would imple- ment our recommendations. However, Interior suggested that we modify the first recommendation that the Secretary direct BLM to provide the Congress with analyses regarding nonfederal land and mineral rights when such information is requested by the Congress. We have not modi- fied this recommendation because we believe that BLM should provide the Congress with such data whether directly requested or not, to ensure that the Congress has as much information as possible to make informed decisions regarding wilderness designations. Interior also made a number of technical and editorial suggestions that we incorpo- rated where appropriate. | | | | |

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GAO/RCED-87-131 BLM Wilderness

Appendix I

Summary of BLM Data on Nonfederal Land and Mineral Rights in Wilderness Study Areas

Table I.1: Arizona

| Wilderness study area | Total acreage | Total ownership of land and minerals ^a | | | Federal ownership of land—state/private ownership of minerals | |
|-------------------------------|------------------|---|-------|---------|---|---------|
| | | Federal | State | Private | State | Private |
| Apache Box | 932 | 932 | 0 | 0 | 0 | 0 |
| Arrastra Mountain | 114,410 | 105,290 | 640 | 20 | 640 | 7,820 |
| Aubrey Peak | 15,440 | 6,740 | 200 | 0 | 0 | 8,500 |
| Baboquivari Peak | 2,065 | 2,065 | 0 | 0 | 0 | 0 |
| Baker Canyon | 4,812 | 4,812 | 0 | 0 | 0 | 0 |
| Big Horn Mountains | 22,337 | 21,237 | 0 | 0 | 1,100 | 0 |
| Big Maria Mountains North | 415 | 415 | 0 | 0 | 0 | 0 |
| Big Maria Mountains South | 1,420 | 1,420 | 0 | 0 | 0 | 0 |
| Black Mesa | 8,512 | 8,512 | 0 | 0 | 0 | 0 |
| Black Mountain/lves Peak | 9,665 | 8.985 | 640 | 0 | 0 | 0 |
| Black Mountains North | 21,078 | 11,498 | 0 | 680 | 0 | 8,900 |
| Black Rock | 8,492 | 8,492 | 0 | 0 | 0 | 0 |
| Bowie Mountain | 6,507 | 6,156 | 0 | 351 | 0 | 0 |
| Buckskin Mountains | 47,582 | 46,702 | 880 | 0 | 0 | 0 |
| Burns Spring | 30,601 | 22,161 | 640 | 0 | 0 | 7,800 |
| Butterfield Stage Memorial | 9,566 | 9,566 | 0 | 0 | 0 | 0 |
| Cactus Plain | 72,100 | 69,825 | 1,740 | 0 | 535 | 0 |
| Chemehuevi Mountains | 195 | 195 | 0 | 0 | 0 | 0 |
| Chemehuevi/Needles | 960 | 960 | 0 | 0 | 0 | 0 |
| Coyote Mountains | 5,080 | 5,080 | 0 | 0 | 0 | 0 |
| Crossman Peak | 38,620 | 26,150 | 0 | 20 | 5,650 | 6,800 |
| Daymine | 17,309 | 17,309 | 0 | 0 | 0 | 0 |
| Dead Mountain, North Addition | 1,905 | 1,815 | 90 | 0 | 0 | 0 |
| Dead Mountain, South Addition | 630 | 630 | 0 | 0 | 0 | 0 |
| Eagletail Mountains | 119,700 | 112,229 | 4,836 | 0 | 2,635 | 0 |
| East Cactus Plain | 14,375 | 13,735 | 640 | 0 | 0 | 0 |
| East Clanton Hills | 36,600 | 36.560 | 0 | 0 | 40 | 0 |
| Face Mountain | 27,575 | 27,575 | 0 | 0 | 0 | 0 |
| Fishhooks | 15,215 | 15,215 | 0 | 0 | 0 | 0 |
| Galiuro Addition #3 | 640 | 640 | 0 | 0 | 0 | 0 |
| Gibralter Mountain | 25,357 | 16,192 | 0 | 75 | 795 | 8,295 |
| Gila Box | 17,911 | 17,831 | 0 | 80 | 0 | 0 |
| Grand Wash Cliffs | 12,176 | 8,184 | 0 | 0 | 0 | 3,992 |
| Grapevine Wash | 2,200 | 2,200 | 0 | 0 | 0 | 0 |
| Happy Camp Canyon | 18,767 | 18,509 | 0 | 258 | 0 | 0 |
| Harcuvar Mountains | 76,738 | 69,238 | 1,960 | 0 | 5,540 | 0 |

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| is where mineral lopmen rojected | de | | Number and a coal leas | | Number and ac geothermal le | es of oil ses ^b | Number and ac and gas lea | Number of mining. | e/private | Federal owner mineralsstate ownership o |
|---|----|------|------------------------|-------|--------------------------------|-------------------------------|------------------------------|-------------------|-----------|---|
| o occurd | | Acre | Leases | Acres | Leases | Acres | Leases | claims | Private | State |
| | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | | 0 | 0 | 0 | 25,020 | 9 | 687 | 0 | 0 |
| Yes | 0 | P | 0 | 0 | 0 | 1,130 | 1 | 132 | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 2,684 | 2 | | 0 | 0 |
| Yes | 0 | | 0 | 0 | 0 | 0 | 0 | 113 | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | | 0 | 0 | 0 | 3,320 | 4 | 72 | 0 | 0 |
| Yes | 0 | | 0 | 0 | 0 | 0 | 0 | 16 | 40 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 3,182 | 1 | | 0 | 0 |
| Yes | 0 | | 0 | 0 | 0 | 7,840 | 4 | 140 | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | 88 | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 11,100 | 4 | | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 2,546 | 2 | | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 4,820 | 1 | 36 | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 5,080 | 5 | | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | 198 | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 3,100 | 3 | 32 | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 2,880 | 2 | | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 |
| | 0 | (| 0 | 0 | 0 | 4,880 | 2 | | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | (| 0 | 0 | 0 | 1,165 | 3 | 152 | 0 | 0 |
| Yes | 0 | | 0 | 0 | 0 | 16,840 | 7 | 57 | 0 | 0 |

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| Arizona (co | ontinued) |
|-------------|-----------|
|-------------|-----------|

| | Total | Total ownership | o of land and l | nineralsª | Federal owne landstate ownership of | private |
|----------------------------|---------|-----------------|-----------------|-----------|---|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Harquahala Mountains | 73,875 | 71,875 | 800 | 0 | 1,200 | 0 |
| Hassayampa River Canyon | 21,900 | 21,680 | 0 | 0 | 0 | 0 |
| Hells Canyon | 9,379 | 8,099 | 640 | 0 | 0 | 0 |
| Hoverrocker | 2,791 | 2,791 | 0 | 0 | 0 | 0 |
| Hummingbird Springs | 67,680 | 64,760 | 1,920 | 1,000 | 0 | 0 |
| Javelina Peak | 19,560 | 17,870 | 0 | 40 | 1,650 | 0 |
| Kofa Unit 3 South | 3,400 | 3,400 | 0 | 0 | 0 | 0 |
| Kofa Unit 4 North | 1,900 | 1,900 | 0 | 0 | 0 | 0 |
| Kofa Unit 4 South | 11,220 | 11,220 | 0 | 0 | 0 | 0 |
| Little Horn Mountains | 91,930 | 89,070 | 1,360 | 0 | 1,500 | 0 |
| Little Horn Mountains West | 13,800 | 12,620 | 0 | 40 | 1,140 | 0 |
| Little Picacho Peak South | 2,915 | 2,915 | 0 | 0 | 0 | 0 |
| Lower Burro Creek | 22,300 | 22,300 | 0 | 0 | 0 | 0 |
| Mocking Bird | 5,700 | 5,700 | 0 | 0 | 0 | 0 |
| Mohave Wash | 115,453 | 47,548 | 3,400 | 6,480 | 8,010 | 50,015 |
| Mount Davis 4 Parcels | 2,560 | 2,560 | 0 | 0 | 0 | 0 |
| Mount Nutt | 29,985 | 20,202 | 80 | 705 | 0 | 8,998 |
| Mount Tipton | 21,190 | 17,630 | 40 | 1,600 | 0 | 1,920 |
| Mount Wilson | 24,821 | 24,821 | 0 | 0 | 0 | 0 |
| Muggins Mountain | 14,455 | 14,455 | 0 | 0 | 0 | 0 |
| Needle's Eye | 9,716 | 9,716 | 0 | 0 | 0 | 0 |
| Needles East Addition | 465 | 160 | 0 | 0 | 0 | 305 |
| New Water Mountains | 40,600 | 40,375 | 0 | 0 | 0 | 0 |
| North Maricopa Mountains | 75,483 | 70,943 | 0 | 160 | 4,380 | 0 |
| Peloncillo Mountains | 13,077 | 12,317 | 0 | 0 | 760 | 0 |
| Peoples Canyon | 10,280 | 10,280 | 0 | 0 | 0 | 0 |
| Picacho Mountains | 6,400 | 6,400 | 0 | 0 | 0 | 0 |
| Planet | 12,765 | 6,795 | 0 | 0 | 0 | 5,970 |
| Planet Peak | 17,570 | 13,380 | 0 | 0 | 740 | 3,450 |
| Ragged Top | 4,460 | 4,460 | 0 | 0 | 0 | 0 |
| Rawhide Mountains | 565,760 | 559,400 | 0 | 0 | 2,560 | 3,800 |
| Saddle Mountain | 5,500 | 5,500 | 0 | 0 | 0 | 0 |
| Sierra Estrella | 14,190 | 12,790 | 640 | 0 | 760 | 0 |

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| 0 Yes | cres of | Number and ac coal lease | cres of ases ^b | Number and ac geothermal le | res of oil ses ^b | Number and ac and gas lea | Number of mining. | e/private | Federal owne ninerals—stat ownership o |
|-------|---------|-----------------------------|------------------------------|--------------------------------|--------------------------------|------------------------------|-------------------|-----------|--|
| | Acres | Leases | Acres | Leases | Acres | Leases | claims | Private | State |
| | 0 | 0 | 0 | 0 | 1,360 | 1 | 1,002 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 885 | 0 | 220 |
| / | 0 | 0 | 0 | 0 | 0 | 0 | 118 | 640 | 0 |
| | 0 | 0 | 0 | 0 | 144 | 1 | | 0 | 0 |
| Ye | 0 | 0 | 0 | 0 | 980 | 1 | 741 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 8,827 | 9 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 590 | 1 | 314 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 844 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Ye | 0 | 0 | 2,460 | 2 | 640 | 1 | 443 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 14,378 | 12 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1,200 | 1 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1,280 | 1 | 2 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 149 | 0 | 225 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 424 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 300 | 1 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 2,560 | 1 | 2 | 0 | 0 |
| Ye | 0 | 0 | 0 | 0 | 1,470 | 3 | 61 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1,400 | 2 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ye | 0 | 0 | 0 | 0 | 11,410 | 9 | 667 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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Arizona (continued)

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| | Total | Total ownershi | p of land and I | mineralsª | Federal own land—state ownership of | /private |
|---------------------------|-----------|----------------|-----------------|-----------|---|----------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Signal Mountain | 20,920 | 19,640 | 0 | 0 | 1,280 | 0 |
| South Bradshaws | 640 | 640 | 0 | 0 | 0 | 0 |
| South Maricopa Mountains | 72,004 | 71,320 | 0 | 0 | 684 | 0 |
| Swansea | 42,575 | 29,355 | 0 | 640 | 1,375 | 11,205 |
| Table Top Mountains | 39,823 | 37,968 | 0 | 0 | 0 | 0 |
| Tres Alamos | 8,910 | 8,880 | 0 | 0 | 0 | 30 |
| Trigo Mountains | 4,500 | 4,500 | 0 | 0 | 0 | 0 |
| Trigo Mountains | 36,970 | 36,870 | 80 | 20 | 0 | 0 |
| Turtle Mountain | 18,347 | 17,422 | 640 | 285 | 0 | 0 |
| Upper Burro Creek | 28,050 | 20,990 | 640 | 20 | 0 | 6,400 |
| Van Deeman | 1,550 | 1,550 | 0 | 0 | 0 | 0 |
| Wabayuma Peak | 38,450 | 20,610 | 0 | 1,700 | 0 | 16,140 |
| Warm Springs | 118,455 | 61,016 | 0 | 0 | 0 | 57,439 |
| Whipple Mountain Addition | 1,380 | 1,380 | 0 | 0 | 0 | 0 |
| White Canyon | 6,968 | 6,968 | 0 | 0 | 0 | 0 |
| Woolsey Peak | 73,930 | 73,930 | 0 | 0 | 0 | 0 |
| State total | 2,654,439 | 2,354,026 | 22,506 | 14,174 | 42,974 | 217,779 |

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| Areas where mineral development is projected | | Number and acres of coal leases ⁶ | | Number and a geothermal le | cres of oil ases ⁵ | Number and ac and gas le | Number of mining | e/private | ederal owne nerals—stat ownership o |
|---|-------|---|-------|----------------------------|----------------------------------|-----------------------------|------------------|-----------|---|
| | Acres | Leases | Acres | Leases | Acres | Leases | claimsč | Private | State |
| 0 | C | 0 | 0 | 0 | 320 | 1 | 243 | 0 | 0 |
| 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| J , | C | 0 | 0 | 0 | 10,360 | 2 | 431 | 0 | 0 |
| 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 0 | C | 0 | 0 | 0 | 1,900 | 1 | 149 | 0 | 1,855 |
| 0 Yes | C | 0 | 0 | 0 | 6,280 | 2 | 43 | 0 | 0 |
| 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 5 | C | 0 | . 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 Yes | C | 0 | 0 | 0 | 0 | 0 | 863 | 0 | 0 |
| C | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| O Yes | C | 0 | 0 | 0 | 100 | 1 | 57 | 0 | 0 |
| 2 | C | 0 | 0 | 0 | 2,640 | 3 | | 0 | 0 |
| 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 5 | C | 0 | 0 | 0 | 4,340 | 4 | 244 | 0 | 0 |
|) | 0 | 0 | 2,460 | 2 | 168,066 | 108 | 9,504 | 680 | 2,300 |

^aTotal ownership means ownership of surface and subsurface rights.

^bAll leases issued after the passage of the Federal Land Policy and Management Act of 1976.

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^cMining claim information developed and summarized at the time of our review.

^dDevelopment projections completed at the time of our review.

Table I.2: California

| | Total | Total ownership | o of land and i | mineralsª | Federal owne landstate/ ownership of | private |
|-------------------------------------|---------|-----------------|-----------------|-----------|--|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Agua Tibia | 360 | 360 | 0 | 0 | 0 | 0 |
| Amboy Crater | 13,300 | 12,650 | 0 | 650 | 0 | 0 |
| Antelope Spring | 801 | 801 | 0 | 0 | 0 | 0 |
| Avawatz | 107,770 | 100,180 | 5,620 | 1,970 | 0 | 0 |
| Baker Cypress/Lava Rock N.A. | 1,148 | 1,148 | 0 | 0 | 0 | 0 |
| Bear Canyon | 318 | 318 | 0 | 0 | 0 | 0 |
| Bear Mountain | 3,198 | 3,198 | 0 | 0 | 0 | 0 |
| Beauty Mountain | 12,683 | 11,342 | 0 | 0 | 0 | 1,341 |
| Benton Range | 4,052 | 4,052 | 0 | 0 | 0 | 0 |
| Big Maria Mountain | 51,090 | 46,422 | 3,648 | 700 | 0 | 0 |
| Bigelow Cholla Garden | 12,500 | 10,580 | 0 | 1,920 | 0 | 0 |
| Bighorn Mountains | 52,065 | 50,255 | 0 | 1,770 | 0 | 0 |
| Bitterbrush N.A. | 640 | 640 | 0 | 0 | 0 | 0 |
| Black Butte | 40 | 40 | 0 | 0 | 0 | 0 |
| Black Canyon | 6,518 | 6,518 | 0 | 0 | 0 | 0 |
| Black Mountain | 150 | 150 | 0 | 0 | 0 | 0 |
| Black Mountain | 15,480 | 8,960 | 640 | 5,880 | 0 | 0 |
| Blackwater Well | 7,260 | 6,620 | 0 | 640 | 0 | 0 |
| Bodie | 15,815 | 15,455 | 0 | 360 | 0 | 0 |
| Bodie Mountains | 25,720 | 23,600 | 0 | 2,120 | 0 | 0 |
| Bristol/Granite Mountain | 127,400 | 86,920 | 3,840 | 14,720 | 0 | 21,920 |
| Buffalo Hills | 48,995 | 47,315 | 0 | 1,680 | 0 | 0 |
| Cady Mountains | 110,320 | 79,280 | 2,880 | 28,160 | 0 | 0 |
| Caliente Mountain | 19,498 | 19,018 | 0 | 0 | 0 | 0 |
| Carrizo Gorge/Eastern McCain Valley | 14,573 | 14,573 | 0 | 0 | 0 | 0 |
| Casa Diablo | 9,167 | 9,167 | 0 | 0 | 0 | 0 |
| Castle Peaks | 47,360 | 43,960 | 640 | 200 | 1,280 | 1,280 |
| Cedar Roughs | 7,327 | 7,183 | 0 | 144 | 0 | 0 |
| Cerro Gordo | 16,102 | 16,102 | 0 | 0 | 0 | 0 |
| Cerro Gordo Peak | 56,690 | 56,370 | 160 | 160 | 0 | 0 |
| Chemehuevi Mountains | 61,680 | 57,200 | 3,200 | 1,280 | 0 | 0 |
| Chemise Mountain P.A. | 4,340 | 4,340 | 0 | 0 | 0 | 0 |
| Chidago Canyon | 20,926 | 20,246 | 0 | 0 | 0 | 0 |
| Chuckwalla Mountain | 129,604 | 118,756 | 8,000 | 2,848 | 0 | 0 |

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| reas where minera evelopmen is projected | cres of | Number and ac coal lease | | Number and ac geothermal le | es of oil ses ^b | lumber and aci and gas lea | Number of N | e/private | Federal owner minerals—state ownership o |
|--|---------|--------------------------|-------|--------------------------------|-------------------------------|-------------------------------|-------------|-----------|--|
| to occur | Acres | Leases | Acres | Leases | Acres | Leases | claims | Private | State |
| 0 N 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 400 | 1 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1,498 | 2 | | 320 | 0 |
| 1997 - <u></u> | 0 | 0 | 0 | 0 | 140 | 1 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 40 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 485 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 348 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | **** | 0 | 0 |
| and a second day of the second day of a second second day of the second second day of the second second day of | 0 | 0 | 0 | 0 | 9,047 | 27 | 0 | 40 | 440 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1,845 | 3 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 47+ | 0 | 0 |
| ** / / / / / / / / / / / / / / / / / | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 318 | 1 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 680 |
| | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 0 |

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California (continued)

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| | Total | Total ownership | of land and | minerale ^a | Federal owne land—state/ ownership of | private |
|-----------------------------------|---------|-----------------|-------------|-----------------------|---|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Cima Dome | 21,950 | 21,310 | 640 | 0 | 0 | 0 |
| Cinder Cones | 52,173 | 49,613 | 2,560 | 0 | 0 | 0 |
| Clark Mountain | 14,400 | 14,400 | 0 | 0 | 0 | 0 |
| Cleghorn Lakes | 32,040 | 25,040 | 280 | 6,720 | 0 | 0 |
| Clipper Mountains | 54,100 | 44,400 | 1,940 | 7,760 | 0 | 0 |
| Coso Range | 24,873 | 23,593 | 1,280 | 0 | 0 | 0 |
| Cottonwood Creek | 3,729 | 3,729 | 0 | 0 | 0 | 0 |
| Cow Heaven | 5,564 | 5.164 | 0 | 80 | 0 | 0 |
| Coxcomb Mountains | 72,124 | 68,604 | 2,560 | 960 | 0 | 0 |
| Coyote Mountains | 11,034 | 11.034 | 0 | 0 | 0 | 0 |
| Coyote Southeast | 3,211 | 3,211 | 0 | 0 | 0 | 0 |
| Crater Mountain | 7,260 | 7,260 | 0 | 0 | 0 | 0 |
| Darwin Falls | 8,319 | 8,319 | 0 | 0 | 0 | 0 |
| Dead Mountains | 41,560 | 32,250 | 1,800 | 7,510 | 0 | 0 |
| Deer Spring | 2,280 | 2,280 | 0 | 0 | 0 | 0 |
| Domeland | 2,209 | 2,209 | 0 | 0 | 0 | 0 |
| Dry Valley Rim | 95,545 | 95,025 | 0 | 520 | 0 | 0 |
| Eagle Mountains | 63,256 | 60,056 | 2,560 | 640 | 0 | 0 |
| East Fork High Rock Canyon | 54,500 | 52,000 | 0 | 580 | 0 | 1,920 |
| Eden Valley/Middle Fork Eel River | 6,994 | 6,674 | 0 | 320 | 0 | 0 |
| Eight-Mile Tank | 22,760 | 22,760 | 0 | 0 | 0 | 0 |
| El Paso Mountain | 17,064 | 15,144 | 0 | 1,920 | 0 | 0 |
| Essex | 16,250 | 13,650 | 650 | 1,950 | 0 | 0 |
| Fish Creek Mountains | 17,278 | 16,638 | 0 | 640 | 0 | 0 |
| Fish Slough | 15,090 | 14,450 | 0 | 640 | 0 | 0 |
| Five Springs | 49,620 | 48,460 | 0 | 1,160 | 0 | 0 |
| Fort Piute | 48,930 | 48,150 | 140 | 640 | 0 | 0 |
| Frog Creek | 9,865 | 9,825 | 0 | 40 | 0 | 0 |
| Funeral Mountains | 59,980 | 55,620 | 2,440 | 640 | 0 | 0 |
| Garcia Mountain | 494 | 494 | 0 | 0 | 0 | 0 |
| Golden Valley | 32,208 | 32,048 | 0 | 160 | 0 | 0 |
| Granite Mountains | 56,941 | 56,741 | 0 | 200 | 0 | 0 |
| Grass Valley | 13,875 | 13,755 | 120 | 0 | 0 | 0 |
| Great Falls Basin | 5,972 | 5,652 | 0 | 320 | 0 | 0 |
| Greenwater Range | 153,624 | 145,624 | 8,000 | 0 | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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| | | Number and ac coal lease | | Number and a geothermal le | res of oil ses ^b | umber and ac and gas lea | Number of N mining | e/private | ederal owner erals-state ownership o |
|-----|-------|-----------------------------|-------|----------------------------|--------------------------------|-----------------------------|-----------------------|-----------|--|
| | Acres | Leases | Acres | Leases | Acres | Leases | claims | Private | State |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| _ | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| , | 0 | 0 | 0 | 0 | 10,640 | 11 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 320 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | ******* | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 59 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 4,141 | 3 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1,458 | 1 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | . 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 3,540 | 5 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 1,280 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 60+ | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 6,663 | 4 | | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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California (continued)

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| | Total | Total ownershi | p of land and r | ninerals ^a | Federal owne landstate/ ownership of | private |
|----------------------------|---------|----------------|-----------------|-----------------------|--|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Greenwater Valley | 60,150 | 57,400 | 2,750 | 0 | 0 | 0 |
| Hauser Mountain | 5,489 | 5,489 | 0 | 0 | 0 | 0 |
| High Rock Canyon | 33,985 | 33,300 | 0 | 0 | 0 | 685 |
| Hollow Hills | 31,740 | 29,920 | 1,300 | 470 | 0 | 0 |
| Horse Canyon | 4,067 | 4,067 | 0 | 0 | 0 | 0 |
| Hunter Mountain | 23,604 | 23,284 | 320 | 0 | 0 | 0 |
| lbex Hills | 41,792 | 40,272 | 1,500 | 20 | 0 | 0 |
| Ibex Spring | 2,720 | 2,720 | 0 | 0 | 0 | 0 |
| Indian Pass | 27,867 | 27,067 | 800 | 0 | 0 | 0 |
| Inyo Mountain | 87,145 | 86,195 | 800 | 150 | 0 | 0 |
| Jacumba | 33,255 | 31.298 | 1,199 | 758 | 0 | 0 |
| Kelso Creek Valley | 2,244 | 2.244 | 0 | 0 | 0 | 0 |
| Kelso Dunes | 206,135 | 150.030 | 9,600 | 46.505 | 0 | 0 |
| Kelso Mountains | 80,320 | 76,560 | 3,600 | 160 | 0 | 0 |
| Kelso Peak | 6,826 | 4,706 | 0 | 680 | 0 | 0 |
| King Range | 39,553 | 32,900 | 0 | 1.137 | 0 | 5,516 |
| Kingston Range | 270,720 | 256,210 | 13,760 | 750 | 0 | 0 |
| Last Chance Mountain | 36,287 | 34,367 | 1.920 | 0 | 0 | 0 |
| Laural-McGee | 110 | 110 | 0 | 0 | 0 | 0 |
| Lava | 11,632 | 11,632 | 0 | 0 | 0 | 0 |
| Lava Hills | 30,410 | 23,370 | 640 | 6,400 | 0 | 0 |
| Little Chuckwalla Mountain | 44,422 | 41,286 | 960 | 2,176 | 0 | 0 |
| Little High Rock Canyon | 52,503 | 52,143 | 0 | 360 | 0 | 0 |
| Little Lake Canyon | 25,207 | 25,207 | 0 | 0 | 0 | 0 |
| Little Picacho Peak | 43,240 | 41,320 | 1,920 | 0 | 0 | 0 |
| Little Sand Spring | 32,876 | 32,236 | 640 | 0 | 0 | 0 |
| Log Cabin-Saddlebag | 520 | 520 | 0 | 0 | 0 | 0 |
| Lower Saline Valley | 6,560 | 6,400 | 160 | 0 | 0 | 0 |
| Machesna | 120 | 120 | 0 | 0 | 0 | 0 |
| Magee/Atkins | 14,440 | 13,800 | 640 | 0 | 0 | 0 |
| Manly Peak | 33,390 | 33,110 | 280 | 0 | 0 | 0 |
| Marble Mountains | 43,300 | 36,900 | 640 | 5,760 | 0 | 0 |
| Masonic Mountains | 6,720 | 6,600 | 0 | 120 | 0 | 0 |
| Massacre Rim | 110,840 | 110,000 | 0 | 840 | 0 | 0 |
| McAfee Creek | 456 | 456 | 0 | 0 | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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| s where mineral lopmen rojected | de | cres of es ^b | Number and according to the second se | | Number and a geothermal le | es of oil ses ^b | Number and ac and gas lea | Number of I mining_ | e/private | Federal owne inerals—stat ownership o |
|--|----|----------------------------|--|-------|----------------------------|-------------------------------|------------------------------|------------------------|-----------|---|
| to occur | | Acres | Leases | Acres | Leases | Acres | Leases | claims | Private | State |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yes | 0 | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | | 50 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 1,440 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 7,109 | 4 | 14 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 20,839 | 4 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 400 | 1 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 9,024 | 2 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| | - | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | | 0 | 0 | 1,145 | 1 | 0 | 0 | 21 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | • 0 | 0 | 75 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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California (continued)

| | Total | Total ownership | of land and r | Federal ownership of land—state/private ownership of minerals | | |
|--------------------------|---------|-----------------|---------------|---|-------|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Mecca Hills | 23,074 | 12,450 | 640 | 2,816 | 0 | 7,168 |
| Merced River | 13,775 | 12,835 | 0 | 940 | 0 | 0 |
| Mesquite Mountains | 55,500 | 51,800 | 3,700 | 0 | 0 | 0 |
| Mesquite Spring | 22,620 | 19,450 | 360 | 2,810 | 0 | 0 |
| Mid Hills | 18,640 | 18,000 | 640 | 0 | 0 | 0 |
| Middle Park Canyon | 8,532 | 8,482 | 0 | 50 | 0 | 0 |
| Milk Ranch/Case Mountain | 6,382 | 6,382 | 0 | 0 | 0 | 0 |
| Mormon Meadow | 7,920 | 7,280 | 0 | 640 | 0 | 0 |
| Morongo | 7,040 | 7,040 | 0 | 0 | 0 | 0 |
| Moses | 558 | 558 | 0 | 0 | 0 | 0 |
| Mount Biedeman South | 12,500 | 12,420 | 0 | 80 | 0 | 0 |
| N.W. Fishlake Valley | 12,585 | 12,505 | 0 | 0 | 0 | 0 |
| New York Mountains | 45,750 | 45,070 | 640 | 40 | 0 | 0 |
| Newberry Mountains | 36,160 | 24,320 | 640 | 11,200 | 0 | 0 |
| Nopah Range | 117,330 | 111,000 | 4,200 | 680 | 0 | 1,280 |
| North Algodones Dunes | 24,862 | 23,412 | 800 | 650 | 0 | 0 |
| North Argus Range | 21,099 | 20,359 | 500 | 240 | 0 | 0 |
| North Coso Range | 8,102 | 8,062 | 0 | 40 | 0 | 0 |
| North Death Valley | 7,951 | 7,951 | 0 | 0 | 0 | 0 |
| North Mesquite Mountains | 29,640 | 29,000 | 640 | 0 | 0 | 0 |
| North Tip | 407 | 407 | 0 | 0 | 0 | 0 |
| Old Dad Mountains | 59,800 | 57,900 | 1,900 | 0 | 0 | 0 |
| Old Woman Mountains | 81,360 | 58,000 | 3,960 | 19,400 | 0 | 0 |
| Orocopia Mountains | 71,296 | 32,148 | 1,984 | 19,424 | 0 | 17,740 |
| Owens Peak | 23,760 | 22,560 | 0 | 80 | 0 | 0 |
| Owens Peak | 54,022 | 51,862 | 0 | 400 | 0 | 0 |
| Owlshead Mountain | 130,700 | 123,000 | 7,700 | 0 | 0 | 0 |
| Pahrump Valley | 35,250 | 33,115 | 2,135 | 0 | 0 | 0 |
| Paiute | 2,480 | 2,480 | 0 | 0 | 0 | 0 |
| Paiute | 5,120 | 5,120 | 0 | 0 | 0 | 0 |
| Paiute Cypress N.A. | 5,527 | 5,527 | 0 | 0 | 0 | 0 |
| Palen/McCoy | 239,878 | 224,038 | 8,320 | 7,520 | 0 | 0 |
| Palo Verde Mountains | 29,369 | 27,889 | 1,280 | 200 | 0 | 0 |
| Panamint Dunes | 90,427 | 87,852 | 2,560 | 15 | 0 | 0 |
| Panoche Hills North | 6,677 | 6,677 | 0 | 0 | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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| minera lopmen ojecteo | | | Number and ac coal lease | | Number and ac geothermal le | res of oil ses ^b | Number and ac and gas lea | Number of mining_ | e/private | Federal owne ineralsstate ownership o |
|-----------------------------|---|-------|--------------------------|-------|-----------------------------|--------------------------------|------------------------------|-------------------|-----------|---|
| occur | s | Acres | Leases | Acres | Leases | Acres | Leases | claims | Private | State |
| | 0 | (| 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | (| 0 | 0 | 0 | 0 | 0 | 209 | 0 | 0 |
| | 0 | (| 0 | 0 | 0 | 16,525 | 16 | | 0 | 0 |
| | 0 | (| 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | (| 0 | 0 | 0 | 40 | 1 | *** <u></u> | 0 | 0 |
| | 0 | (| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| No | 0 | (| 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | (| 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 |
| | 0 | (| 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | (| 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 |
| | 0 | (| 0 | 0 | 0 | 0 | 0 | | 80 | 0 |
| | 0 | (| 0 | 0 | 0 | 5,240 | 3 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | (| 0 | 0 | 0 | 1,500 | 2 | | 130 | 40 |
| | 0 | C | 0 | 0 | 0 | 5,980 | 7 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 7,940 | 6 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 1,760 | 1 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | | 1,120 | 0 |
| Yes | 0 | C | 0 | 0 | 0 | 0 | 0 | 17 | 1,760 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 21,070 | 14 | - | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | 47 | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 55,228 | 12 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 7,652 | 2 | | 0 | 0 |
| | 0 | C | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Yes | 0 | C | 0 | 0 | 0 | 4,010 | 2 | 2,000 | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

California (continued)

| | Total | Total ownershi | p of land and r | nineralsª | Federal owne landstate/ ownership of i | private |
|---------------------------------|---------|----------------|-----------------|-----------|--|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Panoche Hills South | 11,347 | 11,267 | 0 | 80 | 0 | 0 |
| Picacho Peak | 6,300 | 6,300 | 0 | 0 | 0 | 0 |
| Pilot Peak | 41,900 | 32,380 | 1,920 | 7,600 | 0 | 0 |
| Pinnacles Wilderness Contiguous | 5,838 | 5,838 | 0 | 0 | 0 | 0 |
| Pinto Basin | 4,480 | 4,480 | 0 | 0 | 0 | 0 |
| Pinto Mountains | 33,600 | 31,520 | 2,080 | 0 | 0 | 0 |
| Piper Mountain | 69,282 | 65,172 | 3,840 | 270 | 0 | 0 |
| Pit River Canyon | 11,575 | 11,575 | 0 | 0 | 0 | 0 |
| Piute Mountains | 24,000 | 20,100 | 640 | 3,260 | 0 | 0 |
| Providence Mountains | 59,130 | 54,340 | 3,200 | 1,590 | 0 | 0 |
| Rainbow Wells | 22,400 | 21,760 | 640 | 0 | 0 | 0 |
| Red Mountain | 6,455 | 6,455 | 0 | 0 | 0 | 0 |
| Red Mountain | 7,040 | 6,520 | 0 | 520 | 0 | 0 |
| Resting Spring Range | 119,314 | 112,354 | 6,720 | 240 | 0 | 0 |
| Rice Valley | 48,448 | 45,262 | 50 | 2,816 | 0 | 0 |
| Rockhouse | 34,790 | 34,110 | 0 | 0 | 0 | 0 |
| Rocky Creek/Cache Creek | 34,702 | 33,582 | 600 | 520 | 0 | 0 |
| Rodman Mountains | 40,800 | 30,720 | 640 | 9,440 | 0 | 0 |
| Sacatar Meadow South | 18,375 | 18,175 | 200 | 0 | 0 | 0 |
| Sacramento Mountains | 44,280 | 35,000 | 1,280 | 8,000 | 0 | 0 |
| Saddle Peak Mountains | 9,760 | 9,120 | 640 | 0 | 0 | 0 |
| Saline Dunes | 5,760 | 5,760 | 0 | 0 | 0 | 0 |
| Saline Valley | 405,215 | 389,215 | 13,760 | 2,240 | 0 | 0 |
| San Benito N.A. | 1,500 | 1,500 | 0 | 0 | 0 | 0 |
| San Felipe Hills | 7,225 | 5,265 | 0 | 1,960 | 0 | 0 |
| San Ysidro Mountain | 2,131 | 2,131 | 0 | 0 | 0 | 0 |
| Santa Rosa Mountains | 73,792 | 40,064 | 2,560 | 24,128 | 0 | 7,040 |
| Sawtooth Mountains A | 3,892 | 3,892 | 0 | 0 | 0 | 0 |
| Sawtooth Mountains B | 24,696 | 24,696 | 0 | 0 | 0 | 0 |
| Sawtooth Mountains C | 2,510 | 2,510 | 0 | 0 | 0 | 0 |
| Scodie | 5,847 | 5,847 | 0 | 0 | 0 | 0 |
| Shadow Valley | 10,150 | 10,150 | 0 | 0 | 0 | 0 |
| Sheep Ridge | 4,905 | 4,905 | 0 | 0 | 0 | 0 |
| Sheephole/Cadiz | 183,340 | 157,600 | 3,040 | 22,700 | 0 | 0 |
| Sheldon Contiguous | 24,930 | 24,130 | 0 | 800 | 0 | 0 |

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| minera levelopmer is projecteo | | Number and ac coal lease | | Number and ac geothermal le | es of oil ses ⁶ | umber and ac and gas lea | Number of N mining | e/private | ederal owne neralsstate ownership o |
|--------------------------------------|-------|-----------------------------|-------|-----------------------------|-------------------------------|-----------------------------|--|-----------|---|
| to occur | Acres | Leases | Acres | Leases | Acres | Leases | claimsc | Private | State |
| Ye | 0 | 0 | 0 | 0 | 3,222 | 2 | 7,570 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| · · · | 0 | 0 | 0 | 0 | 150 | 1 | | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 0 | 0 | ******* | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | ······································ | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 8.080 | 2 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Ye | 0 | 0 | 7,230 | 6 | 0 | 0 | 80 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | *********** | 0 | 0 |
| | 0 | 0 | 0 | 0 | 7,980 | 2 | | 320 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 680 | 0 |
| Yes | 0 | 0 | 0 | 0 | 4,646 | 7 | 300 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1,580 | 1 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 640 | 1 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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California (continued)

| | Tetel | Total ownership | of land and r | minerale ^a | Federal owne landstate/ ownership of | private |
|----------------------------------|--------------------|-----------------|---------------|-----------------------|--|---------|
| Wilderness study area | Total _ acreage | Federal | State | Private | State | Private |
| Ship Mountains | 30,480 | 25,360 | 960 | 4,160 | 0 | 0 |
| Signal Hill | 44,120 | 36,130 | 1,800 | 6,190 | 0 | 0 |
| Silurian Valley | 18,980 | 17,860 | 640 | 480 | 0 | 0 |
| Skedaddle | 63,790 | 63,790 | 0 | 0 | 0 | 0 |
| Skinner Peak | 896 | 796 | 0 | 0 | 0 | 0 |
| Slate Range | 89,528 | 88,108 | 1,180 | 240 | 0 | 0 |
| Sleeping Beauty Mountain | 33,520 | 23,680 | 880 | 8,960 | 0 | 0 |
| Slinkard | 6,990 | 6,350 | 0 | 370 | 0 | 0 |
| Soda Mountains | 133,615 | 119,590 | 5,440 | 8,580 | 0 | 0 |
| South Algodones Dunes | 55,101 | 54,141 | 280 | 680 | 0 | 0 |
| South Avawatz Mountains | 27,190 | 26,360 | 650 | 180 | 0 | 0 |
| South Bristol Mountains | 32,540 | 27,700 | 650 | 4,190 | 0 | 0 |
| South Nopah Range | 13,080 | 12,400 | 640 | 0 | 0 | 0 |
| South Providence Mountain | 30,868 | 24,850 | 1,280 | 4,738 | 0 | 0 |
| South Saddle Peak Mountains | 6,855 | 6,375 | 480 | 0 | 0 | 0 |
| South Warner Contiguous | 4,330 | 4,330 | 0 | 0 | 0 | 0 |
| Southern Inyo | 36,672 | 36,600 | 0 | 72 | 0 | 0 |
| Southern Otay Mountain | 8,300 | 7,940 | 360 | 0 | 0 | 0 |
| Stateline | 9,170 | 9,170 | 0 | 0 | 0 | 0 |
| Stepladder Mountains | 121,430 | 104,990 | 4,480 | 11,960 | 0 | 0 |
| Surprise Canyon | 52,696 | 52,356 | 320 | 20 | 0 | 0 |
| Sweetwater | 960 | 960 | 0 | 0 | 0 | 0 |
| Sylvania Mountains/Pigeon Spring | 14,983 | 13,743 | 1,240 | 0 | 0 | 0 |
| Symmes Creek | 8,770 | 8,130 | 0 | 640 | 0 | 0 |
| Table Mountain | 958 | 958 | 0 | 0 | 0 | 0 |
| Table Mountain | 8,250 | 8,250 | 0 | 0 | 0 | 0 |
| Teutonia Peak | 3,490 | 3,490 | 0 | 0 | 0 | 0 |
| Thatcher Ridge | 17,387 | 17,187 | 0 | 200 | 0 | 0 |
| Timbered Crater | 17,737 | 17,542 | 0 | 195 | 0 | 0 |
| Toler Creek | 897 | 897 | 0 | 0 | 0 | 0 |
| Tule Mountain | 17,830 | 16,950 | 0 | 880 | 0 | 0 |
| Tunnison Mountain | 21,180 | 20,650 | 0 | 530 | 0 | 0 |
| Turtle Mountains | 272,578 | 270,878 | 0 | 1,700 | . 0 | 0 |
| Twin Peaks | 92,665 | 91,405 | 0 | 1,260 | 0 | 0 |
| Valley View | 3,230 | 3,230 | 0 | 0 | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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| ownership o State 0 0 | Private 0 | mining. claims ^c | | cres of oil ases ^b | geothermal I | acres of leases ^b | Number and a coal lease | eres ur Es ^b | development is projected |
|--------------------------------|--------------|--------------------------------|--------|----------------------------------|--------------|---------------------------------|----------------------------|----------------------------|-----------------------------|
| 0 | | | Leases | Acres | Leases | Acres | Leases | Acres | |
| | | | 1 | 1,279 | 0 | 0 | 0 | C | |
| | 0 | | 0 | 0 | 0 | 0 | 0 | C | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 9 | 0 | 0 | 1 | 20 | 0 | C | Yes |
| 0 | 100 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 270 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 5 | | . 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 10 | 36,459 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | - 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 40 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 170+ | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 8 | 7,085 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 2 | 10,800 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | C | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 2 | 1,686 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 10 | 20,167 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |

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GAO/RCED-87-131 BLM Wilderness

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California (continued)

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| | Total | Total ownersh | ip of land and | Federal ownership of land—state/private ownership of minerals | | |
|-------------------------------|-----------|---------------|----------------|---|-------|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Ventana Wilderness Contiguous | 640 | 640 | 0 | 0 | 0 | 0 |
| Volcanic Tableland | 11,840 | 11,840 | 0 | 0 | 0 | 0 |
| Walford Springs | 13,360 | 13,200 | 0 | 160 | 0 | . 0 |
| Wall Canyon | 46,890 | 45,790 | 0 | 1,100 | 0 | 0 |
| Waucoba Wash | 11,465 | 11,135 | 330 | 0 | 0 | 0 |
| Western Otay Mountain | 6,716 | 5,750 | 0 | 0 | 0 | 238 |
| Wheeler Ridge | 3,197 | 3,197 | 0 | 0 | 0 | 0 |
| Whipple Mountains | 91,900 | 88,700 | 3,200 | 0 | 0 | 0 |
| White Mountain | 1,260 | 1,260 | 0 | 0 | 0 | 0 |
| White Mountains | 7,784 | 7,144 | 640 | 0 | 0 | 0 |
| Whitewater | 15,580 | 14,812 | 0 | 768 | 0 | 0 |
| Wildrose Canyon | 36,949 | 34,549 | 2,400 | 0 | 0 | 0 |
| Woods Mountain | 52,010 | 43,820 | 1,280 | 6,910 | · 0 | 0 |
| Wyman Creek | 5,729 | 5,369 | 0 | 360 | 0 | 0 |
| Yellow Rock Canyon | 13,050 | 13,050 | 0 | 0 | 0 | 0 |
| Yolla Bolly | 640 | 640 | 0 | 0 | 0 | 0 |
| State total | 7,898,485 | 7,226,828 | 210,566 | 383,800 | 1,280 | 66,128 |

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| Areas where mineral development is projected | cres of | Number and a | | Number and a geothermal le | cres of oil ases ⁶ | Number and a and gas le | Number of mining | te/private | Federal owne minerals—sta ownership |
|---|---------|--------------|-------|----------------------------|----------------------------------|----------------------------|------------------|------------|---|
| | Acres | Leases | Acres | Leases | Acres | Leases | claimsc | Private | State |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 728 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | ***** | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 8,395 | 8 | 307,789 | 186 | 11,704 | 8,723 | 1,160 |

^aTotal ownership means ownership of surface and subsurface rights.

^bAll leases issued after the passage of the Federal Land Policy and Management Act of 1976.

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^cMining claim information developed and summarized at the time of our review.

^dDevelopment projections completed at the time of our review.

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Table I.3: Colorado

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| | Total | Total ownership | n of land and | mineralea | Federal owne landstate/ ownership of | private |
|----------------------------------|---------|-----------------|---------------|-----------|--|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Adobe Badlands | 10,425 | 10,425 | 0 | 0 | 0 | 0 |
| American Flats | 4,720 | 4,710 | 0 | 0 | 10 | 0 |
| Ant Hills | 4,354 | 4,354 | 0 | 0 | 0 | 0 |
| Beaver Creek | 871 | 870 | 1 | 0 | 0 | 0 |
| Bill Hare Gulch | 370 | 370 | 0 | 0 | 0 | 0 |
| Black Canyon | 2,300 | 2,300 | 0 | 0 | 0 | 0 |
| Black Mountain | 9,932 | 9,932 | 0 | 0 | 0 | 0 |
| Black Ridge Canyons | 18,150 | 18.150 | 0 | 0 | 0 | 0 |
| Black Ridge Canyons West | 49,090 | 49.090 | 0 | 0 | 0 | 0 |
| Browns Canyon | 6,614 | 6,614 | 0 | 0 | 0 | 0 |
| Bull Canyon | 12,617 | 12,297 | 0 | 320 | 0 | 0 |
| Bull Gulch | 15,000 | 14,360 | 0 | 0 | 640 | 0 |
| Cahone Canyon | 9,440 | 9,240 | 0 | 0 | 200 | 0 |
| Camel Back | 10,722 | 10,562 | 0 | 160 | 0 | 0 |
| Castle Peak | 11,940 | 11,940 | 0 | 0 | 0 | 0 |
| Chew Winter Camp | 1,320 | 1,320 | 0 | 0 | 0 | 0 |
| Cold Springs West | 17,682 | 17,682 | 0 | 0 | 0 | 0 |
| Cross Canyon | 11,734 | 11,734 | 0 | 0 | 0 | 0 |
| Cross Mountain | 14,081 | 14,081 | 0 | 0 | 0 | 0 |
| Demaree Canyon | 21,050 | 21,050 | 0 | 0 | 0 | 0 |
| Diamond Breaks | 36,015 | 35,380 | 0 | 0 | 635 | 0 |
| Dolores River Canyon | 28,630 | 28,630 | 0 | 0 | 0 | 0 |
| Dominguez Canyon | 32,310 | 31,990 | 0 | 320 | 0 | 0 |
| Eagle Mountain | 330 | 330 | 0 | 0 | 0 | 0 |
| Gunnison Gorge | 20,712 | 20,712 | 0 | 0 | 0 | 0 |
| Hack Lake | 3,360 | 3,360 | 0 | 0 | 0 | 0 |
| Handies Peak | 19,605 | 18,860 | 0 | 145 | 600 | 0 |
| High Mesa Grassland N.A. | 680 | 680 | 0 | 0 | 0 | 0 |
| Larson Creek | 900 | 900 | 0 | 0 | 0 | 0 |
| Little Bookcliffs Wildhorse Area | 26,525 | 26,525 | 0 | 0 | 0 | 0 |
| Lower Grape Creek | 11,295 | 10,630 | 0 | 75 | 590 | 0 |
| Lower Grape Creek | 2,300 | 2,300 | 0 | 0 | 0 | 0 |
| McIntyre Hills | 17,330 | 16,060 | 470 | 60 | 740 | 0 |
| McKenna Peak | 19,562 | 19,562 | 0 | 0 | 0 | 0 |
| Menefee Mountain | 7,409 | 7,249 | 0 | 40 | 0 | 120 |

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GAO/RCED-87-131 BLM Wilderness

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| eas where minera velopmen projected | es of | Number and acr coal leases | | Number and ac geothermal lea | es of oil ses ^b | Number and acr and gas leas | Number of mining_ | e/private | Federal owner mineralsstate ownership o |
|--|-------|-------------------------------|-------|------------------------------|-------------------------------|--------------------------------|---------------------|-----------|---|
| to occur | Acres | Leases | Acres | Leases | Acres | Leases | claims ^c | Private | State |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| · | 0 | 0 | 0 | 0 | 4,354 | 2 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1,351 | 5 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| n, | 0 | 0 | 0 | 0 | 3,903 | 6 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 2,620 | 1 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 4,089 | 10 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Nc | 0 | 0 | 0 | 0 | 320 | 1 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1,320 | 1 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 2,216 | 8 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 872 | 5 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 10,059 | 9 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 1,860 | 7 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 17,544 | 5 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 10,629 | 13 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | O |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | . 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 3,040 | 5 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 148 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 8,660 | 10 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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| Colorado | (continued) |
|----------|-------------|
|----------|-------------|

| | Total | Total ownership | of land and i | mineralsª | Federal ownership of land—state/private ownership of minerals | | |
|------------------------------|---------|-----------------|---------------|-----------|---|---------|--|
| Wilderness study area | acreage | Federal | State | Private | State | Private | |
| Needle Rock N.A. | 80 | 80 | 0 | 0 | 0 | 0 | |
| North Sand Hills N.A. | 791 | 791 | 0 | 0 | 0 | 0 | |
| Oil Spring Mountain | 17,740 | 17,740 | 0 | 0 | 0 | . 0 | |
| Papa Keal | 1,020 | 1,020 | 0 | 0 | 0 | 0 | |
| Peterson Draw | 5,160 | 5,160 | 0 | 0 | 0 | 0 | |
| Powderhorn P.A. | 53,300 | 50,420 | 0 | 960 | 1,920 | 0 | |
| Rare Lizard And Snake N.A. | 443 | 443 | 0 | 0 | 0 | 0 | |
| Redcloud Peak | 42,585 | 40,575 | 0 | 280 | 1,730 | 0 | |
| San Luis Hills | 10,240 | 10,240 | 0 | 0 | 0 | 0 | |
| Sand Castle | 1,644 | 1,644 | 0 | 0 | 0 | 0 | |
| Sewemup Mesa | 20,800 | 20,800 | 0 | 0 | 0 | 0 | |
| Skull Creek | 13,739 | 13,513 | 0 | 0 | 0 | 226 | |
| Slumgullion Slide | 1,640 | 1,640 | 0 | 0 | 0 | 0 | |
| South Piney Creek | 870 | 870 | 0 | 0 | 0 | 0 | |
| Sparling Gulch/Friends Creek | 1,840 | 1,840 | 0 | 0 | 0 | 0 | |
| Squaw/Papoose Canyons | 4,611 | 4,611 | 0 | 0 | 0 | 0 | |
| Tabeguache Creek | 7,908 | 7,908 | 0 | 0 | 0 | 0 | |
| Tepee Draw | 5,490 | 5,490 | 0 | 0 | 0 | 0 | |
| The Palisade | 26,050 | 26,050 | 0 | 0 | 0 | 0 | |
| Troublesome | 8,250 | 8,250 | 0 | 0 | 0 | 0 | |
| Vale of Tears | 7,420 | 7,420 | 0 | 0 | 0 | 0 | |
| Weber Mountain | 6,303 | 6,303 | 0 | 0 | 0 | 0 | |
| Weminuche Contiguous | 1,605 | 1,605 | 0 | 0 | 0 | 0 | |
| West Needles Contiguous | 1,240 | 1,240 | 0 | 0 | 0 | 0 | |
| Whitehead Gulch | 2,085 | 2,085 | 0 | 0 | 0 | 0 | |
| Willow Creek | 13,368 | 13,274 | 0 | 0 | 0 | 94 | |
| Windy Gulch | 12,274 | 12,274 | 0 | 0 | 0 | 0 | |
| Zapata Creek | 720 | 720 | 0 | 0 | 0 | 0 | |
| State total | 728,591 | 718,255 | 471 | 2,360 | 7,065 | 440 | |

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| Federal owne minerals—stat ownership o | te/private | Number of mining_ | Number and a and gas le | cres of oil ases ^b | Number and geothermal | | Number and a coal lease | cres of | Areas where mineral development is projected |
|--|------------|--|-------------------------|----------------------------------|-----------------------|-------|-------------------------|---------|---|
| State | Private | claims | Leases | Acres | Leases | Acres | Leases | Acres | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 4 | 1,328 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 4 | 5,160 | 0 | 0 | 0 | 0 | |
| 0 | 0 | **** | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | ********************************** | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 900 | 0 | 0 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 1 | 1,158 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 7 | 5,165 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 11 | 2,101 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 3 | 2,680 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 4 | 5,490 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 5 | 3,760 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | · 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 10 | 6,963 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 3 | 4,093 | 0 | 0 | 0 | 0 | |
| 0 | 0 | ······································ | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | 1,315 | 140 | 110,737 | 0 | 0 | 0 | 0 | |

^aTotal ownership means ownership of surface and subsurface rights.

^bAll leases issued after the passage of the Federal Land Policy and Management Act of 1976.

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^cMining claim information developed and summarized at the time of our review.

^dDevelopment projections completed at the time of our review.

 $= \begin{pmatrix} 2 & 3 & 1 \\ 2 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}$

Table I.4: Idaho

| | Total | Total Total ownership of land and minerals ^a | | | | | |
|-------------------------------|---------|---|--------|---------|-----------------------|---------|--|
| Wilderness study area | acreage | Federal | State | Private | ownership of State | Private | |
| Appendicitis Hill | 22,540 | 21,900 | 640 | 0 | 0 | 0 | |
| Battle Creek | 32,820 | 31,540 | 1,240 | 40 | 0 | . 0 | |
| Bear Den Butte | 9,700 | 9,700 | 0 | 0 | 0 | 0 | |
| Big Jacks Creek | 56,273 | 54,833 | 1,280 | 40 | 0 | 0 | |
| Big Willow Spring | 6,211 | 6,211 | 0 | 0 | 0 | 0 | |
| Birds of Prey N.A. | 26,713 | 26,713 | 0 | 0 | 0 | 0 | |
| Black Butte | 4,002 | 4,002 | 0 | 0 | 0 | 0 | |
| Black Canyon | 5,400 | 5,400 | 0 | 0 | 0 | 0 | |
| Black Canyon | 11,011 | 10,371 | 640 | 0 | 0 | 0 | |
| Borah Peak | 4,520 | 3,880 | 640 | 0 | 0 | 0 | |
| Boulder Creek | 2,570 | 1,930 | 640 | 0 | 0 | 0 | |
| Box Creek | 440 | 440 | 0 | 0 | 0 | 0 | |
| Bruneau River | 108,246 | 104,406 | 3,840 | 0 | 0 | 0 | |
| Burnt Creek | 25,620 | 24,980 | 640 | 0 | 0 | 0 | |
| Cedar Butte | 36,340 | 35,700 | 640 | 0 | 0 | 0 | |
| China Cup Butte N.A. | 160 | 160 | 0 | 0 | 0 | 0 | |
| Conant Valley Islands | 235 | 235 | 0 | 0 | 0 | 0 | |
| Corral-Horse Basin | 49,820 | 48,500 | 1,280 | 40 | 0 | 0 | |
| Crystal Lake | 9,027 | 9,027 | 0 | 0 | 0 | 0 | |
| Deep Creek-Owyhee River | 72,720 | 70,160 | 2,560 | 0 | 0 | 0 | |
| Deer Creek | 8,127 | 7,487 | 640 | 0 | 0 | 0 | |
| Duncan Creek | 10,645 | 10,005 | 640 | 0 | 0 | 0 | |
| Eighteen Mile | 24,922 | 24,922 | 0 | 0 | 0 | 0 | |
| Friedman Creek | 10,133 | 9,773 | 40 | 320 | 0 | 0 | |
| Goldburg | 3,290 | 3,290 | 0 | 0 | 0 | 0 | |
| Gooding City of Rocks East | 14,743 | 14,743 | 0 | 0 | 0 | 0 | |
| Gooding City of Rocks West | 6,287 | 6 287 | 0 | 0 | 0 | 0 | |
| Grandmother Mountain | 17,449 | 17,289 | 0 | 160 | 0 | 0 | |
| Great Rift (Grassland Kipuka) | 374,400 | 355,850 | 18,550 | 0 | 0 | 0 | |
| Hawley Mountain | 16,790 | 15,510 | 1,280 | 0 | 0 | 0 | |
| Hell's Half Acre | 68,920 | 66,200 | 2,560 | 160 | 0 | 0 | |
| Henry's Lake | 350 | 350 | 0 | 0 | 0 | 0 | |
| Jarbidge River | 77,738 | 75,118 | 2,540 | 80 | 0 | Ō | |
| Jerry Peak | 46,790 | 46,150 | 640 | 0 | 0 | 0 | |
| Jerry Peak West | 13,530 | 13,530 | 0 | 0 | 0 | 0 | |

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GAO/RCED-87-131 BLM Wilderness

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| eas where minera velopmen projected | res of | Number and ac coal leases | | Number and ac geothermal les | es of oil ses ^b | Number and act and gas lea | minina_ | e/private | Federal owner nineralsstate ownership o |
|--|--------|------------------------------|-------|------------------------------|-------------------------------|-------------------------------|---|-----------|---|
| to occur | Acres | Leases | Acres | Leases | Acres | Leases | claims | Private | State |
| No | 0 | 0 | 0 | 0 | 17,493 | 7 | | 0 | 0 |
| , | 0 | 0 | 0 | 0 | 10,565 | 7 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 120 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 3,040 | 2 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 3,920 | 4 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 28,500 | 21 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 6 | 1 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 46,037 | 12 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 16,730 | 5 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0. | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 7,595 | 12 | | . 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | _ | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 2,685 | 3 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 17,493 | 2 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 3,850 | 3 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 6,316 | 12 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 42,995 | 7 | ************************************* | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | *************************************** | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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Idaho (continued)

| | Total | Total ownershi | p of land and r | nineralsª | Federal ownership of land—state/private ownership of minerals | | |
|--------------------------|---------|----------------|-----------------|-----------|---|---------|--|
| Wilderness study area | acreage | Federal | State | Private | State | Private | |
| Juniper Creek | 13,150 | 13,150 | 0 | 0 | 0 | 0 | |
| King Hill Creek | 30,629 | 29,309 | 1,280 | 40 | 0 | 0 | |
| Lava | 24,320 | 23,680 | 640 | 0 | 0 | 0 | |
| Little City of Rocks | 6,515 | 5,875 | 640 | 0 | 0 | 0 | |
| Little Deer | 34,171 | 33,531 | 640 | 0 | 0 | 0 | |
| Little Jacks Creek | 60,200 | 58,040 | 1,920 | 240 | 0 | 0 | |
| Little Owyhee River | 25,240 | 24,600 | 640 | 0 | 0 | 0 | |
| Little Wood River | 4,385 | 4,385 | 0 | 0 | 0 | 0 | |
| Lower Salmon Falls Creek | 3,500 | 3,500 | 0 | 0 | 0 | 0 | |
| Marshall Mountain | 5,804 | 5,804 | 0 | 0 | 0 | 0 | |
| Middle Fork Owhyee River | 14,820 | 14,180 | 640 | 0 | 0 | 0 | |
| North Fork Owyhee River | 51,390 | 49,470 | 1,920 | 0 | 0 | 0 | |
| Owyhee Canyon | 21,875 | 21,875 | 0 | 0 | 0 | 0 | |
| Owyhee River Canyon | 225,660 | 214,380 | 1,280 | 0 | 10,000 | 0 | |
| Petticoat Peak | 11,298 | 11,298 | 0 | 0 | 0 | 0 | |
| Pine Creek Islands | 155 | 155 | 0 | 0 | 0 | 0 | |
| Pole Creek | 24,749 | 24,509 | 0 | 240 | 0 | 0 | |
| Raven's Eye | 69,030 | 67,110 | 1,920 | 0 | 0 | 0 | |
| Sand Butte | 22,072 | 20,792 | 1,280 | 0 | 0 | 0 | |
| Sand Mountain | 21,740 | 21,100 | 640 | 0 | 0 | 0 | |
| Selkirk Crest | 720 | 720 | 0 | 0 | 0 | 0 | |
| Shale Butte | 15,968 | 15,968 | 0 | 0 | 0 | 0 | |
| Sheep Creek East | 5,050 | 5,050 | 0 | 0 | 0 | 0 | |
| Sheep Creek West | 11,680 | 11,680 | 0 | 0 | 0 | 0 | |
| Shoshone | 6,914 | 6,914 | 0 | 0 | 0 | 0 | |
| Snowhole Rapids | 5,068 | 5,068 | 0 | 0 | 0 | 0 | |
| South Fork Owyhee River | 43,950 | 42,510 | 1,280 | 160 | 0 | 0 | |
| Squaw Creek Canyon | 10,780 | 10,780 | 0 | 0 | 0 | 0 | |

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| Federal owne minerals—stat ownership o | te/private | Number of N mining | lumber and ac and gas lea | res of oil ases ^b | Number and a geothermal l | | Number and a coal lease | cres of | Areas where mineral development is projected |
|--|------------|-----------------------|------------------------------|---------------------------------|---------------------------|-------|----------------------------|---------|---|
| State | Private | claims | Leases | Acres | Leases | Acres | Leases | Acres | |
| 0 | 0 | | 7 | 12,140 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 2 | 3,520 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 4 | 1,320 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 1 | 480 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 8 | 9,946 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | | 2 | 26 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 6 | 6,575 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 1 | 1,760 | 0 | 0 | Q | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | a | 15 | 32,746 | 0 | 0 | 0 | 0 | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | <u> </u> |

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GAO/RCED-87-131 BLM Wilderness

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| | Total | Total ownershi | ip of land and i | Federal ownership of land—state/private ownership of minerals | | |
|-----------------------|-----------|----------------|------------------|---|--------|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Table Rock Islands | 380 | 380 | 0 | 0 | 0 | (|
| Upper Deep Creek | 11,510 | 11,510 | 0 | 0 | 0 | (|
| West Fork Red Canyon | 12,970 | 12,970 | 0 | 0 | 0 | . (|
| White Knob Mountains | 9,950 | 9,950 | 0 | 0 | 0 | (|
| Worm Creek | 40 | 40 | 0 | 0 | 0 | (|
| Yatahoney Creek | 10,030 | 9,990 | 0 | 40 | 0 | (|
| State total | 1,994,195 | 1,926,865 | 55,650 | 1,560 | 10,000 | (|

Idaho (continued)

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All the second states and

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| Federal owne minerals—stat ownership o | te/private | Number of mining | Number and a and gas le | | Number and a geothermal for | | Number and a coal leas | | Areas where mineral development is projected |
|--|------------|---------------------|----------------------------|---------|-----------------------------|-------|------------------------|-------|---|
| State | Private | claimsc | Leases | Acres | Leases | Acres | Leases | Acres | |
| 0 | 0 | | 4 | 221 | 0 | 0 | 0 | C | No No |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | C |) |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | C | J , |
| 0 | 0 | | 1 | 1,370 | 0 | 0 | 0 | C | No No |
| 0 | 0 | | 1 | 40 | 0 | 0 | 0 | C | No No |
| 0 | 0 | | 2 | 4,370 | 0 | 0 | 0 | C | } |
| 0 | 120 | | 152 | 281,742 | 0 | 0 | 0 | 0 | |

^aTotal ownership means ownership of surface and subsurface rights.

^bAll leases issued after the passage of the Federal Land Policy and Management Act of 1976.

^cMining claim information developed and summarized at the time of our review.

^dDevelopment projections completed at the time of our review.

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Table I.5: Montana

| | Total | Total ownership | Federal ownership of land—state/private ownership of minerals | | | |
|--------------------------------|---------|-----------------|---|---------|-------|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Antelope Creek A | 12,350 | 12,350 | 0 | 0 | 0 | 0 |
| Antelope Creek B | 2,750 | 2,750 | 0 | 0 | 0 | 0 |
| Axoloti Lakes | 7,844 | 7,804 | 0 | 40 | 0 | 0 |
| Beaver Meadows | 595 | 595 | 0 | 0 | 0 | 0 |
| Bell and Limekiln Canyons | 9,810 | 9,650 | 0 | 160 | 0 | 0 |
| Big Horn Tackon | 4,550 | 4,550 | 0 | 0 | 0 | 0 |
| Billy Creek | 3,450 | 3,450 | 0 | 0 | 0 | 0 |
| Bitter Creek | 61,032 | 59,112 | 1,280 | 640 | 0 | 0 |
| Black Sage | 5,976 | 5,976 | 0 | 0 | 0 | 0 |
| Blacktail Mountains | 17,479 | 17,479 | 0 | 0 | 0 | 0 |
| Bridge Coulee | 5,900 | 5,900 | 0 | 0 | 0 | 0 |
| Buffalo Creek | 5,650 | 5,650 | 0 | 0 | 0 | 0 |
| Burnt Lodge | 13,750 | 13,750 | 0 | 0 | 0 | 0 |
| Burnt Timber Canyon | 3,955 | 3,955 | 0 | 0 | 0 | 0 |
| Centennial Mountain P.A. | 22,414 | 21,774 | 640 | 0 | 0 | 0 |
| Cow Creek | 34,690 | 34,050 | 640 | 0 | 0 | 0 |
| Dog Creek South | 5,150 | 4,900 | 0 | 0 | 0 | 250 |
| East Fork Blacktail Deer Creek | 6,230 | 6,230 | 0 | 0 | 0 | 0 |
| Elkhorn | 3,792 | 3,642 | 0 | 150 | 0 | 0 |
| Ervin Ridge | 10,200 | 10,200 | 0 | 0 | 0 | 0 |
| Farlin Creek | 1,139 | 1,139 | 0 | 0 | 0 | 0 |
| Henneberry Ridge | 9,806 | 9,806 | 0 | 0 | 0 | 0 |
| Hidden Pasture Creek | 15,509 | 15,509 | 0 | 0 | 0 | 0 |
| Hoodoo Mountain | 11,380 | 11,380 | 0 | 0 | 0 | 0 |
| Humbug Spires P.A. | 11,480 | 11,320 | 0 | 160 | 0 | 0 |
| Musselshell Breaks | 8,600 | 8,600 | 0 | 0 | 0 | 0 |
| North Fork Sun River | 520 | 520 | 0 | 0 | 0 | 0 |
| Pryor Mountain | 16,927 | 16,927 | 0 | 0 | 0 | 0 |
| Quigg West | 4,257 | 4,257 | 0 | 0 | 0 | 0 |
| Ruby Mountains | 28,251 | 26,611 | 640 | 1,000 | 0 | 0 |
| Seven BlackfootA | 3,950 | 3,950 | 0 | 0 | 0 | 0 |
| Seven BlackfootB | 4,850 | 4,850 | 0 | 0 | 0 | 0 |
| Seven BlackfootC | 12,090 | 11,450 | 640 | 0 | 0 | 0 |
| Sleeping Giant | 8,681 | 6,131 | 0 | 0 | 0 | 2,550 |
| Square Butte N.A. | 1,947 | 1,947 | 0 | 0 | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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| reas where minera evelopmen s projected | res of | Number and ac coal leases | res of ases ^b | Number and ac geothermal les | res of oil ses ^b | umber and ac and gas lea | Number of N mining | e/private | Federal owner mineralsstate ownership o |
|--|--------|---------------------------|-----------------------------|------------------------------|--------------------------------|-----------------------------|-----------------------|-----------|---|
| to occur | Acres | Leases | Acres | Leases | Acres | Leases | claims | Private | State |
| N | 0 | 0 | 0 | 0 | 820 | 1 | 0 | 0 | 0 |
| Ń | 0 | 0 | 0 | 0 | 940 | 1 | 0 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 1,400 | 1 | 30 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 640 | 1 | ······ | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 4,280 | 4 | 3 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 395 | 1 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 48,250 | 55 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 4,125 | 5 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 12,860 | 15 | 109 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 5,120 | 4 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 4,960 | 5 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 3,610 | 3 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 4,620 | 6 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 8,610 | 7 | 9 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 730 | 3 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 4,120 | 4 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 2,105 | 5 | 9 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 240 | 1 | 16 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 5,000 | 5 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 169 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 4,120 | 6 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 14,550 | 7 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 4,715 | 5 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 2,960 | 3 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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Montana (continued)

| | Total | Total ownershi | p of land and | Federal ownership of landstate/private ownership of minerals | | |
|--------------------------|---------|----------------|---------------|--|-------|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Stafford | 4,800 | 4,800 | 0 | 0 | 0 | C |
| Terry Badlands | 48,970 | 43,450 | 1,280 | 3,000 | 0 | 920 |
| Tobacco Root Tackons | 880 | 860 | 0 | 20 | 0 | · C |
| Twin Coulee | 6,870 | 6,870 | 0 | 0 | 0 | C |
| Wales Creek | 11,580 | 11,580 | 0 | 0 | 0 | C |
| Woodhawk | 8,100 | 8,100 | 0 | 0 | 0 | C |
| Yellowstone River Island | 53 | 53 | 0 | 0 | 0 | C |
| Zook Creek | 8,440 | 8,440 | 0 | 0 | 0 | C |
| State Total | 466,647 | 452,317 | 5,120 | 5,170 | 0 | 3,720 |

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| Federal owne minerals—stat ownership o | e/private | Number of mining | Number and a and gas I | acres of oil eases ^b | Number and geothermal | | Number and a coal leas | | Areas where mineral development is projected |
|--|-----------|---|------------------------|------------------------------------|-----------------------|-------|------------------------|-------|---|
| State | Private | claimsc | Leases | Acres | Leases | Acres | Leases | Acres | |
| 0 | 0 | 0 | 3 | 170 | 0 | 0 | 0 | C | No No |
| 0 | 320 | 0 | 4 | 6,730 | 0 | 0 | 0 | (|) No |
| 0 | 0 | *************************************** | 2 | 900 | 0 | 0 | 0 | C |) , |
| 0 | 0 | 166 | 0 | 0 | 0 | 0 | 0 | |) No |
| 0 | 0 | | 3 | 2,420 | 0 | 0 | 0 | C |) |
| 0 | 0 | 0 | 1 | 120 | 0 | 0 | 0 | (|) No |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | C |) No |
| 0 | 0 | 0 | 1 | 1,600 | 0 | 0 | 0 | C | No No |
| 0 | 320 | 548 | 162 | 151,110 | 0 | 0 | 0 | C | |

^aTotal ownership means ownership of surface and subsurface rights.

^bAll leases issued after the passage of the Federal Land Policy and Management Act of 1976.

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^cMining claim information developed and summarized at the time of our review.

^dDevelopment projections completed at the time of our review.

GAO/RCED-87-131 BLM Wilderness

Table I.6: Nevada

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| | Total | Total ownership | o of land and i | mineralsª | Federal owner landstate/ ownership of | private |
|-------------------------------|---------|-----------------|-----------------|-----------|---|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Alder Creek | 5,142 | 5,142 | 0 | 0 | 0 | 0 |
| Antelope | 87,400 | 87,400 | 0 | 0 | 0 | 0 |
| Arrow Canyon Range | 32,853 | 32,853 | 0 | 0 | 0 | 0 |
| Augusta Mountain | 89,372 | 89,372 | 0 | 0 | 0 | 0 |
| Badlands | 9,426 | 9,426 | 0 | 0 | 0 | 0 |
| Black Rock Desert | 319,594 | 319,594 | 0 | 0 | 0 | 0 |
| Blue Eagle | 59,560 | 59,560 | 0 | 0 | 0 | 0 |
| Blue Lakes | 20,508 | 20,508 | 0 | 0 | 0 | 0 |
| Bluebell | 55,665 | 55,665 | 0 | 0 | 0 | 0 |
| Bonnie Claire Flat | 66,800 | 66,800 | 0 | 0 | 0 | 0 |
| Burbank Canyons | 13,395 | 13,395 | 0 | 0 | 0 | 0 |
| Calico Mountains | 67,647 | 67,647 | 0 | 0 | 0 | 0 |
| Carson-Iceberg | 550 | 550 | 0 | 0 | 0 | 0 |
| Cedar Ridge | 10,009 | 10,009 | 0 | 0 | 0 | 0 |
| China Mountain | 10,358 | 10,358 | 0 | 0 | 0 | 0 |
| Clan Alpine Mountains | 196,128 | 196,128 | 0 | 0 | 0 | 0 |
| Clover Mountains | 84,935 | 84,935 | 0 | 0 | 0 | 0 |
| Delamar Mountains | 126,257 | 126,257 | 0 | 0 | 0 | 0 |
| Desatoya Mountains | 51,433 | 51,313 | 0 | 120 | 0 | 0 |
| El Dorado | 11,069 | 11,069 | 0 | 0 | 0 | 0 |
| Evergreen | 2,834 | 2,834 | 0 | 0 | 0 | 0 |
| Fandango/Morey | 61,060 | 61,060 | 0 | 0 | 0 | 0 |
| Far South Egans | 53,224 | 53,224 | 0 | 0 | 0 | 0 |
| Fish & Wildlife #1 | 8,991 | 8,991 | 0 | 0 | 0 | 0 |
| Fish & Wildlife #2 | 22,002 | 22,002 | 0 | 0 | 0 | 0 |
| Fish & Wildlife #3 | 16,516 | 16,516 | 0 | 0 | 0 | 0 |
| Fortification Range | 41,615 | 41,615 | 0 | 0 | 0 | 0 |
| Fox Mountain Range | 75,404 | 75,404 | 0 | 0 | 0 | 0 |
| Gabbs Valley Range | 79,640 | 79,600 | 0 | 40 | 0 | 0 |
| Garrett Buttes | 11,100 | 11,100 | 0 | 0 | 0 | 0 |
| Goshute Canyon | 35,609 | 35,594 | 0 | 15 | 0 | 0 |
| Goshute Canyon N.A. | 12,655 | 12,655 | 0 | 0 | 0 | 0 |
| Goshute Peak | 69,770 | 69,770 | 0 | 0 | 0 | 0 |
| Granite Springs | 23,400 | 23,400 | 0 | 0 | 0 | 0 |
| Heusser Mtn. Bristlecone Pine | 480 | 480 | 0 | 0 | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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| Areas where minera developmer is projected | cres of | Number and ac coal lease | cres of ases ^b | Number and a geothermal le | res of oil ses ^b | Number and ac and gas lea | Number of mining_ | Federal ownership of minerals—state/private ownership of land | |
|---|---------|-----------------------------|------------------------------|----------------------------|--------------------------------|------------------------------|--|---|-------|
| | Acres | Leases | Acres | Leases | Acres | Leases | claims | Private | State |
|) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 8,200 | 3 | | 0 | 0 |
|) N | 0 | 0 | 0 | 0 | 23,850 | 23 | 24 | 0 | 0 |
|) | 0 | 0 | 17,395 | 8 | 21,208 | 10 | | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
|) | 0 | 0 | 12,026 | 6 | 19,560 | 6 | | 0 | 0 |
|) N | 0 | 0 | 0 | 0 | 31,524 | 9 | 148 | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | ······································ | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 14,765 | 5 | ······· | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | ********* | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
|) Ne | 0 | 0 | 0 | 0 | 3,464 | 4 | 6 | 0 | 0 |
| ; | 0 | 0 | 0 | 0 | 280 | 1 | | Ō | 0 |
| } | 0 | 0 | 8,939 | 5 | 17,842 | 12 | | 0 | 0 |
| , | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| i No | 0 | 0 | 0 | 0 | 15,656 | 10 | 202 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 18,827 | 16 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 31,873 | 6 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 7,199 | 6 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 8,300 | 4 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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| Nevada (continued) Wilderness study area | Total | Total ownership of land and minerals ^a | | | Federal ownership of land—state/private ownership of minerals | |
|---|---------|---|-------|---------|---|---------|
| | acreage | Federal | State | Private | State | Private |
| High Rock Lake | 62,382 | 61,902 | 0 | 0 | 0 | 480 |
| Ireteba Peaks | 13,374 | 13,374 | 0 | 0 | 0 | 0 |
| Job Peak | 90,209 | 90,209 | 0 | 0 | 0 | 0 |
| Jumbo Springs | 3,811 | 3,811 | 0 | 0 | 0 | 0 |
| Kawich | 54,880 | 54,320 | 0 | 560 | 0 | 0 |
| LaMadre Mountains | 56,967 | 56,967 | 0 | 0 | 0 | 0 |
| Lahontan-Cutthroat Trout N.A. | 12,978 | 12,978 | 0 | 0 | 0 | 0 |
| Lime Canyon | 30,747 | 30,747 | 0 | 0 | 0 | 0 |
| Little Humboldt River | 42,653 | 42,213 | 0 | 440 | 0 | 0 |
| Meadow Valley Range | 185,744 | 185,744 | 0 | 0 | 0 | 0 |
| Million Hills | 9,599 | 9,599 | · 0 | 0 | 0 | 0 |
| Mormon Mountains | 162,887 | 162,887 | 0 | 0 | 0 | 0 |
| Mount Grafton | 73,496 | 73,216 | 0 | 280 | 0 | 0 |
| Mount Limbo | 23,702 | 23,702 | 0 | 0 | 0 | 0 |
| Mount Stirling | 64,650 | 64,650 | 0 | 0 | 0 | 0 |
| Mountain Meadow N.A. | 22 | 22 | 0 | 0 | 0 | 0 |
| Muddy Mountains | 96,170 | 96,170 | 0 | 0 | 0 | 0 |
| Nellis | 5,718 | 5,718 | 0 | 0 | 0 | 0 |
| North Black Rock Range | 30,791 | 30,791 | 0 | 0 | 0 | 0 |
| North Fork Little Humboldt | 69,683 | 69,683 | 0 | 0 | 0 | 0 |
| North Jackson Mountains | 26,457 | 26,457 | 0 | 0 | 0 | 0 |
| North McCullough Mountains | 47,166 | 47,166 | 0 | 0 | 0 | 0 |
| Pahute Peak | 57,529 | 57,529 | 0 | 0 | 0 | 0 |
| Palisade Mesa | 99,550 | 99,550 | 0 | 0 | 0 | 0 |
| Park Range | 47,268 | 47,268 | 0 | 0 | 0 | 0 |
| Parsnip Peak | 88,523 | 88,175 | 0 | 280 | 0 | 68 |
| Pigeon Spring/Sylvania Mountains | 3,575 | 3,575 | 0 | 0 | 0 | 0 |
| Pine Creek | 24,000 | 24,000 | 0 | 0 | 0 | 0 |
| Pine Creek Canyon N.A. | 240 | 240 | 0 | 0 | 0 | 0 |
| Pinyon-Joshua Research N.A. | 640 | 640 | 0 | 0 | 0 | 0 |
| Pole Creek | 12,969 | 12,969 | 0 | 0 | 0 | 0 |
| Poodle Mountain | 142,050 | 142,050 | 0 | 0 | 0 | 0 |
| Quail Spring | 12,225 | 12,225 | 0 | 0 | 0 | 0 |
| Queer Mountain | 81,550 | 81,550 | 0 | 0 | 0 | 0 |
| Rawhide Mountain | 64,360 | 64,360 | 0 | 0 | 0 | 0 |

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| | | lumber and acres coal leases ^b | I | acres of leases ^b | Number and a geothermal l | res of oil ses ⁵ | Number and ac and gas lea | Number of mining. | e/private f land | Federal owner ninerals—state ownership o |
|--|------|--|---|---------------------------------|---------------------------|--------------------------------|------------------------------|---|---------------------|--|
| | cres | | 5 | Acres | Leases | Acres | Leases | claims | Private | State |
| | 0 | 0 |) | C | 0 | 0 | 0 | ······································ | 0 | 0 |
| | 0 | 0 |) | (| 0 | 0 | 0 | *************************************** | 0 | 0 |
| | 0 | 0 |) | C | 0 | 13,203 | 7 | | 0 | 0 |
| ······································ | 0 | 0 |) | C | 0 | 0 | 0 | 1999 - L (111 1997 - L 111 1993 | 0 | 0 |
| Yes | 0 | 0 |) | C | 0 | 12,074 | 4 | 319 | 0 | 0 |
| No | 0 | 0 |) | C | 0 | 20,316 | 10 | 100 | 0 | 0 |
| | 0 | 0 |) | C | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 |) | C | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | } | C | 0 | 0 | 0 | 9 | 0 | 0 |
| | 0 | 0 |) | C | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 |) | C | 0 | 0 | 0 | <u></u> | 0 | 0 |
| | 0 | 0 |) | C | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 |) | C | 0 | 6,530 | 6 | | 0 | 0 |
| | 0 | 0 |) | C | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 |) | C | 0 | 3,897 | 2 | 21 | 0 | 0 |
| | 0 | 0 |) | C | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | 0 |) | C | 0 | 5,828 | 8 | 92 | 0 | 0 |
| | 0 | 0 |) | C | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 |) | C | 0 | 0 | 0 | | 0 | 0 |
| , | 0 | 0 | | C | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | } | C | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 |) | C | 0 | 160 | 1 | 70 | 0 | 0 |
| | 0 | 0 |) | C | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 |) | C | 0 | 40,078 | 21 | 1 | 0 | 0 |
| | 0 | 0 | | C | 0 | 2,560 | 1 | | 0 | 0 |
| | 0 | 0 | | 0 | 0 | 8,729 | 4 | | 0 | 0 |
| | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 |) | C | 8,057 | 4 | 90 | 90 | 0 | 0 |
| | 0 | 0 | | C | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | | C | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | • | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | | 0 | 0 | 0 | 0 | | 0 | 0 |
| Yes | 0 | 0 | | 0 | 0 | 9,785 | 7 | 913 | 0 | 0 |

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Nevada (continued)

| Nevaua (cominaeu) | Total | Total ownership | o of land and r | nineralsª | Federal owne landstate/ ownership of i | private |
|----------------------------|-----------|-----------------|-----------------|-----------|--|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Red Spring | 7,847 | 7,847 | 0 | 0 | 0 | 0 |
| Resting Springs Range | 3,850 | 3,850 | 0 | 0 | 0 | 0 |
| Riordan's Well | 57,002 | 57,002 | 0 | 0 | 0 | 0 |
| Roberts | 15,090 | 15,090 | 0 | 0 | 0 | 0 |
| Rough Hills | 6,885 | 6,685 | 0 | 200 | 0 | 0 |
| Selenite Mountains | 32,041 | 32,041 | 0 | 0 | 0 | 0 |
| Shoshone Ponds N.A. | 1,240 | 1,240 | 0 | 0 | 0 | 0 |
| Shoshone Pygmy Sage N.A. | 160 | 160 | 0 | 0 | 0 | 0 |
| Silver Peak Range North | 33,620 | 33,620 | 0 | 0 | 0 | 0 |
| Simpson Park | 49,750 | 49,670 | 0 | 0 | 0 | 0 |
| South Egan Range | 97,356 | 96,916 | 0 | 360 | 0 | 80 |
| South Jackson Mountains | 60,211 | 60,211 | 0 | 0 | 0 | 0 |
| South McCullough Mountains | 56,623 | 56,623 | 0 | 0 | 0 | 0 |
| South Pahrocs Range | 28,600 | 28,600 | 0 | 0 | 0 | 0 |
| South Pequop | 41,090 | 41,090 | 0 | 0 | 0 | 0 |
| South Reveille | 106,200 | 106,200 | 0 | 0 | 0 | 0 |
| Stillwater Range | 95,227 | 94,607 | 0 | 620 | 0 | 0 |
| Sunrise Mountain N.A. | 10,240 | 10,240 | 0 | 0 | 0 | 0 |
| Swamp Cedar N.A. | 3,200 | 3,200 | 0 | 0 | 0 | 0 |
| Table Mountain | 36,358 | 35,958 | 0 | 400 | 0 | 0 |
| The Wall | 38,000 | 38,000 | 0 | 0 | 0 | 0 |
| Tobin Range | 13,107 | 13,107 | 0 | 0 | 0 | 0 |
| Virgin Mountain N.A. | 6,560 | 6,560 | 0 | 0 | 0 | 0 |
| Weepah Spring | 61,137 | 61,137 | 0 | 0 | 0 | 0 |
| White Rock Range | 23,625 | 23,625 | 0 | 0 | 0 | 0 |
| Worthington Mountains | 47,633 | 47,633 | 0 | 0 | 0 | 0 |
| State total | 4,563,618 | 4,559,595 | 0 | 3,315 | 0 | 628 |

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GAO/RCED-87-131 BLM Wilderness

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| Areas where mineral development is projected | cres of | Number and a coal lease | cres of ases ^b | Number and a geothermal le | res of oil Ises ^b | Number and ac and gas lea | Number of mining_ | e/private | Federal owne minerals—stat ownership o |
|---|---------|----------------------------|------------------------------|----------------------------|---------------------------------|------------------------------|-------------------|-----------|--|
| | Acres | Leases | Acres | Leases | Acres | Leases | claims | Private | State |
| No | 0 | 0 | 0 | 0 | 5,654 | 6 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 20,456 | 8 | | 0 | 0 |
| · · · | 0 | 0 | 0 | 0 | 640 | 1 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 700 | 3 | | 80 | 0 |
| | 0 | 0 | 0 | 0 | 27,557 | 15 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 14,138 | 7 | 130 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| ************************************** | 0 | 0 | 0 | 0 | 4,775 | 5 | | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 27,714 | 17 | 359 | 0 | 0 |
| | 0 | 0 | 2,492 | 1 | 12,296 | 8 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 2,380 | 2 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 6,095 | 10 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 640 | 1 | ***** | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 2,870 | 4 | | 0 | 0 |
| | 0 | 0 | 40,854 | 20 | 479,689 | 277 | 2,484 | 80 | 0 |

^aTotal ownership means ownership of surface and subsurface rights.

^bAll leases issued after the passage of the Federal Land Policy and Management Act of 1976.

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^cMining claim information developed and summarized at the time of our review.

^dDevelopment projections completed at the time of our review.

 $q_{ij}^{(n)} = 1 - \epsilon$

Table I.7: New Mexico

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| | Total | Total ownershi | n of land and | mineraleª | Federal owne landstate/ ownership of | private |
|-----------------------|---------|----------------|---------------|-----------|--|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Aden Lava Flow | 25,287 | 23,857 | 0 | 0 | 1,430 | 0 |
| Ah-Shi-Sle-Pah | 6,563 | 6,563 | 0 | 0 | 0 | . 0 |
| Alamo Hueco Mountains | 16,712 | 13,830 | 0 | 200 | 0 | 2,682 |
| Antelope | 21,390 | 20,710 | 680 | 0 | 0 | 0 |
| Big Hatchet Mountains | 67,838 | 60,019 | 1,920 | 46 | 0 | 5,853 |
| Blue Creek | 16,176 | 14,896 | 1,280 | 0 | 0 | 0 |
| Brokeoff Mountains | 33,126 | 31,606 | 1,520 | 0 | 0 | 0 |
| Cabezon | 8,118 | 8,118 | 0 | 0 | 0 | 0 |
| Carrizozo Lava Flow | 10,240 | 10,240 | 0 | 0 | 0 | 0 |
| Cedar Mountains | 14,911 | 14,911 | 0 | 0 | 0 | 0 |
| Chamisa | 11,091 | 1,920 | 0 | 0 | 0 | 9,171 |
| Continental Divide | 73,861 | 68,761 | 3,420 | 1,680 | 0 | 0 |
| Cooke Range | 20,248 | 19,608 | 640 | 0 | 0 | 0 |
| Cowboy Spring | 6,699 | 6,699 | 0 | 0 | 0 | 0 |
| Culp Canyon | 10,937 | 10,937 | 0 | 0 | 0 | 0 |
| Devil's Backbone | 8,904 | 8,904 | 0 | 0 | 0 | 0 |
| Devil's Den | 320 | 320 | 0 | 0 | 0 | 0 |
| Devil's Reach | 860 | 860 | 0 | 0 | 0 | 0 |
| Eagle Peak | 44,542 | 32,748 | 80 | 840 | 10,874 | 0 |
| El Malpais N.A. | 209,351 | 72,107 | 19,236 | 24,115 | 1,280 | 85,054 |
| Empedrado | 9,770 | 9,410 | 0 | 360 | 0 | 0 |
| Florida Mountains | 22,446 | 22,336 | 80 | 30 | 0 | 0 |
| Gila Lower Box | 8,675 | 8,555 | 0 | 120 | 0 | 0 |
| Guadalupe Canyon N.A. | 4,146 | 3,692 | 0 | 0 | 454 | 0 |
| Horse Mountain | 5,032 | 5,032 | 0 | 0 | 0 | 0 |
| Ignacio Chavez | 32,248 | 10,246 | 0 | 0 | 0 | 22,002 |
| Jornada Del Muerto | 32,427 | 31,147 | 1,280 | 0 | 0 | 0 |
| La Lena | 11,590 | 10,310 | 1,280 | 0 | 0 | 0 |
| Las Uvas Mountains | 11,107 | 11,067 | 0 | 40 | 0 | 0 |
| Little Black Peak | 15,712 | 15,072 | 640 | 0 | 0 | 0 |
| Little Rimrock | 10,065 | 4,250 | 0 | 280 | 0 | 5,535 |
| Lonesome Ridge | 3,342 | 3,342 | 0 | 0 | 0 | Ō |
| Manzano | 845 | 845 | 0 | 0 | 0 | 0 |
| Mathers N.A. | 362 | 362 | 0 | 0 | 0 | 0 |
| McKittrick Canyon | 200 | 200 | 0 | 0 | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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| Areas where minera developmer is projecte | cres of | Number and ac | | Number and ac geothermal le | es of oil ses ^b | Number and act and gas lea | Number of mining_ | e/private | Federal owner minerals—state ownership o |
|--|---------|---------------|-------|--------------------------------|-------------------------------|-------------------------------|-------------------|-----------|--|
| to occur | Acres | Leases | Acres | Leases | Acres | Leases | claims | Private | State |
| N | 0 | 0 | 0 | 0 | 14,631 | 7 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 4,265 | 5 | | 0 | 0 |
| Ń | 0 | 0 | 0 | 0 | 400 | 1 | 10 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ye | 0 | 0 | 0 | 0 | 7,605 | 6 | 3 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 6,244 | 6 | 0 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 1,709 | 4 | 0 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 15,796 | 43 | 29 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ye | 0 | 0 | 0 | 0 | 0 | 0 | 92 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 5,840 | 8 | 18 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 3,760 | 1 | 0 | 0 | 0 |
| N | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6,599 | 960 |
| N | 0 | 0 | 0 | 0 | 3,600 | 8 | 0 | 0 | 0 |
| Ye | 0 | 0 | 0 | 0 | 17,681 | 51 | 263 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 733 | 2 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 4,323 | 10 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 2,137 | 4 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 0 | 0 | 0 | 0 | 2,382 | 4 | | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| A | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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New Mexico (continued)

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| | Total | Total ownershi | in of land and l | minerals ^a | Federal own landstate ownership of | /private |
|------------------------------------|---------|----------------|------------------|-----------------------|--|----------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Mesita Blanca | 19,637 | 16,492 | 0 | 160 | 2,985 | 0 |
| Mudgetts | 2,941 | 2,941 | 0 | 0 | 0 | 0 |
| Ojito | 12,719 | 11,919 | 640 | 160 | 0 | 0 |
| Organ Mountains | 7,323 | 7,144 | 0 | 40 | 0 | 139 |
| Petaca Pinta | 11,704 | 4,925 | 39 | 40 | 0 | 6,700 |
| Pinyon | 12,829 | 5,353 | 0 | 40 | 0 | 7,436 |
| Presilla | 8,680 | 8,680 | 0 | 0 | 0 | 0 |
| Rimrock | 31,852 | 11,464 | 642 | 1,573 | 0 | 17,810 |
| Rio Chama (Navajo Peak) | 12,305 | 11,985 | 0 | 320 | 0 | 0 |
| Robledo Mountains | 12,946 | 12,811 | 0 | 0 | 135 | 0 |
| Sabinosa | 16,080 | 15,760 | 0 | 320 | 0 | 0 |
| San Antonio | 8,330 | 7,050 | 1,280 | 0 | 0 | 0 |
| Sand Canyon | 8,860 | 3,608 | 0 | 0 | 0 | 5,210 |
| Sierra Ladrones | 46,561 | 42,688 | 1,960 | 373 | 1,540 | 0 |
| Sierra de las Canas | 12,998 | 12,838 | 0 | 160 | 0 | 0 |
| Stallion | 25,518 | 24,238 | 1,280 | 0 | 0 | 0 |
| Veranito | 7,206 | 7,206 | 0 | 0 | 0 | 0 |
| West Potrillo Mountains/ Mt. Riley | 169,236 | 155,105 | 12,051 | 0 | 2,080 | 0 |
| State total | 202,866 | 925,687 | 49,948 | 30,897 | 20,778 | 167,592 |

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| Federal owne minerals—stat ownership of I | e/private | Number of N mining | lumber and a and gas le | cres of oil ases ^b | Number and a geothermal i | | Number and a coal leas | acres of | Areas where mineral development is projected |
|---|-----------|-----------------------|----------------------------|----------------------------------|---------------------------|-------|---------------------------|----------|---|
| State | Private | claimsc | Leases | Acres | Leases | Acres | Leases | Acres | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 4 | 1,280 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | 0 | 1 | 610 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | 85 | 0 | 0 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | | 1 | 716 | 0 | - 0 | 0 | 0 | No |
| 0 | 0 | 2 | 1 | 1,282 | 0 | 0 | 0 | 0 | Yes |
| 0 | 363 | | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | 0 | 3 | 2,144 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | 3 | 2 | 1,680 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 42 | <u> </u> | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | 71 | 0 | 0 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | 103 | 33 | 88,409 | 0 | 0 | 0 | 0 | Yes |
| 960 | 7,004 | 697 | 205 | 187,232 | 0 | 0 | 0 | 0 | |

^aTotal ownership means ownership of surface and subsurface rights.

^bAll leases issued after the passage of the Federal Land Policy and Management Act of 1976.

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^cMining claim information developed and summarized at the time of our review.

^dDevelopment projections completed at the time of our review.

Table I.8: Oregon

| | Total | Total ownership | n of land and r | mineralsª | Federal own land—state ownership of | /private |
|----------------------------|-----------------|-----------------|-----------------|-----------|---|-------------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Abert Rim | 23,760 | 23,280 | 0 | 0 | 480 | 0 |
| Alrich Mountain | 9,395 | 9,395 | 0 | 0 | 0 | 0 |
| Alvord Desert | 220,480 | 177,000 | 0 | 4,460 | 9,600 | 29,420 |
| Alvord Peak | 15,295 | 14,655 | 0 | 80 | 560 | 0 |
| Badlands | 32,261 | 32,221 | 0 | 40 | 0 | 0 |
| Basque Hills | 141,780 | 137,220 | 0 | 520 | 4,040 | 0 |
| Beaver Dam Creek | 19,220 | 19,140 | 0 | 0 | 80 | 0 |
| Blitzen River | 56,030 | 51,890 | 0 | 160 | 2,100 | 0 |
| Blue Canyon | 12,740 | 12,700 | 0 | 40 | 0 | 0 |
| Bowden Hills | 59,640 | 56,140 | 0 | 0 | 3,500 | 0 |
| Brewer Spruce N.A. | 210 | 210 | 0 | . 0 | 0 | 0 |
| Bridge Creek | 14,580 | 14,060 | 0 | 40 | 480 | 0 |
| Camp Creek | 19,040 | 18,360 | 0 | 0 | 680 | 0 |
| Castle Rock | 6,200 | 5,560 | 0 | 0 | 640 | 0 |
| Cedar Mountain | 33,680 | 31,440 | 0 | 80 | 2,160 | 0 |
| Chopaka Mountain | 5,613 | 5,518 | 0 | 95 | 0 | 0 |
| Clarks Butte | 31,490 | 31,450 | 0 | 0 | 40 | 0 |
| Cottonwood Creek | 8,660 | 8,500 | 0 | 0 | 160 | 0 |
| Cougar Well | 19,475 | 17,315 | 0 | 800 | 1,120 | 0 |
| Devil's Garden Lava Bed | 29,640 | 28,720 | 0 | 0 | 920 | 0 |
| Diablo Mountain | 1 14,952 | 107,920 | 640 | 1,170 | 5,222 | 0 |
| Disaster Peak (NV-020-859) | 31,730 | 30,490 | 0 | 40 | 1,200 | 0 |
| Douglas Fir N.A. | 590 | 590 | 0 | 0 | 0 | 0 |
| Dry Creek | 23,500 | 22,540 | 0 | 0 | 960 | 0 |
| Dry Creek Buttes | 1,920 | 1,920 | 0 | 0 | 0 | 0 |
| Dry Creek Buttes | 51,800 | 49,880 | 0 | 0 | 1,920 | 0 |
| East Alvord | 22,240 | 21,600 | 0 | 0 | 640 | 0 |
| Fifteen Mile Creek | 51,100 | 48,460 | 0 | 80 | 2,560 | 0 |
| Fish Creek Rim | 16,750 | 16,070 | 0 | 40 | 640 | 0 |
| Four Craters Lava Bed | 12,600 | 11,960 | 0 | 0 | 640 | 0 |
| Gerry Mountain | 20,700 | 19,980 | 0 | 0 | 720 | 0 |
| Gold Creek | 13,600 | 12,920 | 0 | 0 | 680 | 0 |
| Guano Creek | 10,350 | 10,350 | 0 | 0 | 0 | 0 |
| Hampton Butte | 10,760 | 10,600 | 0 | 160 | 0 | 0 |
| Hawk Mountain | 69,640 | 68,360 | 0 | 0 | 1,280 | (continued) |

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GAO/RCED-87-131 BLM Wilderness

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| Areas whe miner developme is projecte | cres of | Number and ac coal leases | res of ases ^b | Number and ac geothermal le | res of oil ses ^b | Number and ac and gas lea | Number of ¹ mining_ | private | ederal owne landstate/j ownership o |
|--|---------|------------------------------|-----------------------------|-----------------------------|--------------------------------|------------------------------|-----------------------------------|---------|---|
| to occu | Acres | Leases | Acres | Leases | Acres | Leases | claimsc | Private | State |
|) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0. | 0 | 0 | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 13,620 | 7 | 0 | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 9,360 | 4 | 0 | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,880 | 0 |
| l | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 |
| ; | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| , | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1,680 | 1 | 0 | 240 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 7,940 | 3 | 190 | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 24,640 | 8 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 23,200 | 12 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| · · · · · · · · · · · · · · · · · · · | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 6,120 | 3 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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GAO/RCED-87-131 BLM Wilderness

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Oregon (continued)

| | Total | Total ownership | of land and r | mineralsª | Federal owne landstate/ ownership of | private |
|--|---------|-----------------|---------------|-----------|--|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Hawksie Walksie (Sage Hen Hills) | 8,520 | 8,520 | 0 | 0 | 0 | 0 |
| Heath Lake | 20,450 | 20,100 | 0 | 0 | 350 | 0 |
| High Steens | 69,665 | 65,420 | 320 | 2,125 | 840 | . 0 |
| Home Creek | 26,315 | 25,120 | 75 | 1,120 | 0 | 0 |
| Homestead | 6,641 | 6,321 | 0 | 320 | 0 | 0 |
| Honeycombs | 39,000 | 39,000 | 0 | 0 | 0 | 0 |
| Jordan Craters | 27,980 | 27,560 | 0 | 80 | 340 | 0 |
| Little Blitzen Gorge | 9,440 | 9,240 | 0 | 0 | 200 | 0 |
| Little Sink N.A. | 80 | 80 | 0 | 0 | 0 | 0 |
| Lookout Butte | 99,560 | 99,560 | 0 | 0 | 0 | 0 |
| Lost Forest N.A. | 8,000 | 8,000 | 0 | 0 | 0 | 0 |
| Lower John Day | 19,992 | 19,352 | 0 | 640 | 0 | 0 |
| Lower Owyhee Canyon | 74,840 | 71,940 | 0 | 1,460 | 1,400 | 0 |
| Lower Stonehouse | 22,400 | 21,000 | 0 | 760 | 320 | 0 |
| Mahogany Ridge | 29,450 | 27,210 | 0 | 1,760 | 400 | 0 |
| Malheur River-Bluebucket Creek | 5,560 | 5,560 | 0 | 0 | 0 | 0 |
| McGraw Creek | 1,465 | 1,465 | 0 | 0 | 0 | 0 |
| Mount Diablo | 5,200 | 5,200 | 0 | 0 | 0 | 0 |
| Mountain Lakes | 320 | 320 | 0 | 0 | 0 | 0 |
| North Fork | 11,225 | 10,745 | 0 | 480 | 0 | 0 |
| North Pole Ridge | 6,489 | 6,249 | 0 | 240 | 0 | 0 |
| North Sisters Rocks | 3 | 3 | 0 | 0 | 0 | 0 |
| Oregon Canyon | 42,640 | 40,400 | 0 | 0 | 2,240 | 0 |
| Orejana Canyon | 24,600 | 24,600 | 0 | 0 | 0 | 0 |
| Owyhee Breaks | 13,460 | 13,100 | 0 | 360 | 0 | 0 |
| Palomino Hills | 54,560 | 50,560 | 0 | 0 | 4,000 | 0 |
| Pueblo Mountains | 71,670 | 69,310 | 0 | 440 | 1,920 | 0 |
| Red Mountain | 14,810 | 14,730 | 0 | 80 | 0 | 0 |
| Rincon | 103,885 | 97,545 | 0 | 120 | 6,220 | 0 |
| South Fork of the Donner and Blitzen Range | 38,450 | 35,850 | 0 | 680 | 1,280 | 0 |
| Saddle Butte | 86,120 | 81,300 | 0 | 0 | 4,820 | 0 |
| Sand Dunes | 16,360 | 16,000 | 0 | 0 | 360 | 0 |
| Sand Hollow | 8,791 | 8,091 | 0 | 0 | 700 | 0 |
| Sheep Mountain | 7,240 | 7,040 | 0 | 200 | 0 | 0 |
| Sheepshead Mountains | 53,720 | 51,120 | 0 | 40 | 2,560 | 0 |

n Na (continued)

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Areas where Federal ownership of mineral minerals-state/private ownership of land Number of Number and acres of oil Number and acres of Number and acres of development and gas leases^b coal leases^b geothermal leases^b mining is projected State to occurd Private claims Leases Acres Leases Acres Acres Leases 57,722 7,170 5,760 15,440 1,560 6,640 5,720 7,440 7,320

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GAO/RCED-87-131 BLM Wilderness

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Oregon (continued)

| | Total | Total ownershij | p of land and r | nineralsª | Federal owner landstate/ ownership of | private |
|-------------------------------|-----------|-----------------|-----------------|-----------|---|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Soda Mountain | 5,410 | 5,410 | 0 | 0 | 0 | 0 |
| Solcum Creek | 7,600 | 7,600 | 0 | 0 | 0 | 0 |
| South Fork | 20,071 | 19,391 | 0 | 440 | 240 | . 0 |
| Spaulding Reservoir | 69,970 | 69,530 | 0 | 440 | 0 | 0 |
| Sperry Creek | 5,360 | 5,360 | 0 | 0 | 0 | 0 |
| Spring Basin | 6,022 | 5,982 | 0 | 40 | 0 | 0 |
| Squaw Ridge Lava Bed | 28,660 | 27,700 | 0 | 320 | 640 | 0 |
| Steelhead Falls | 3,114 | 3,114 | 0 | 0 | 0 | 0 |
| Stonehouse | 8,250 | 8,090 | 0 | 160 | 0 | 0 |
| Strawberry Mountain | 180 | 180 | 0 | 0 | 0 | 0 |
| Strawberry Mountain | 720 | 720 | 0 | 0 | 0 | 0 |
| Strawberry Mountain | 208 | 208 | 0 | 0 | 0 | 0 |
| Table Mountain | 40,520 | 38,600 | 0 | 0 | 1,920 | 0 |
| Thirtymile | 7,538 | 7,538 | 0 | 0 | 0 | 0 |
| Twelve Mile Canyon | 28,320 | 26,960 | 0 | 360 | 1,000 | 0 |
| Upper Leslie Gulch | 3,000 | 3,000 | 0 | 0 | 0 | 0 |
| Upper West Little Owyhee | 63,260 | 58,660 | 0 | 160 | 4,440 | 0 |
| West Peak | 8,500 | 7,900 | 0 | 0 | 600 | 0 |
| Western Juniper Research N.A. | 4,855 | 4,855 | 0 | 0 | 0 | 0 |
| Wild Horse Basin | 12,140 | 12,100 | 0 | 40 | 0 | 0 |
| Wildcat Canyon | 34,600 | 32,720 | 0 | 0 | 1,880 | 0 |
| Willow Creek | 31,990 | 28,810 | 0 | 880 | 1,300 | 0 |
| Winter Range | 15,440 | 14,800 | 0 | 0 | 640 | 0 |
| Zwagg Island | 5 | 5 | 0 | 0 | 0 | 0 |
| State total | 2,646,055 | 2,505,258 | 1,035 | 21,550 | 83,632 | 29,420 |

(continued)

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Areas where

| development is projected | cres of | Number and a coal lease | | Number and a geothermal le | res of oil ises ^b | Number and ac and gas le | Number of mining. | e/private | Federal owne minerals—stat ownership o |
|--|---------|-------------------------|-------|----------------------------|---------------------------------|-----------------------------|---------------------|-----------|--|
| | Acres | Leases | Acres | Leases | Acres | Leases | claims ^c | Private | State |
| 1 | 0 | 0 | 0 | 0 | 7,072 | 2 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| i , | 0 | 0 | 0 | 0 | 15,072 | 14 | 21 | 0 | 0 |
| I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| ······································ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| I | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 |
| I | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 17,370 | 8 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 10,440 | 3 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 6,610 | 4 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,000 | 0 |
| | 0 | 0 | 0 | 0 | 11,440 | 5 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 269,336 | 117 | 1093 | 5,160 | 0 |

^aTotal ownership means ownership of surface and subsurface rights.

^bAll leases issued after the passage of the Federal Land Policy and Management Act of 1976.

^cMining claim information developed and summarized at the time of our review.

^dDevelopment projections completed at the time of our review.

Table I.9: Utah

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| | Total | Total ownershi | n of land and : | nineralsª | Federal owne landstate/ ownership of | private |
|---|------------------|----------------|-----------------|-----------|--|---------|
| Wilderness study area | iotai acreage | Federal | State | Private | State | Private |
| Beartrap Canyon | 40 | 40 | 0 | 0 | 0 | 0 |
| Behind the Rocks | 13,275 | 12,635 | 640 | 0 | 0 | 0 |
| Blue Hills/Mount Ellen | 90,145 | 81,725 | 8,420 | 0 | 0 | 0 |
| Bookcliffs Mountain Browse N.A | 400 | 400 | 0 | 0 | 0 | 0 |
| Bridger Jack Mesa | 5,930 | 5,290 | 640 | 0 | 0 | 0 |
| Bull Mountain | 11,800 | 11,800 | 0 | 0 | 0 | 0 |
| Bullet Canyon | 8,520 | 8,520 | 0 | 0 | 0 | 0 |
| Burning Hills | 68,036 | 61,550 | 6,486 | 0 | 0 | 0 |
| Butler Wash | 26,751 | 24,190 | 2,561 | 0 | 0 | 0 |
| Canaan Mountain | 51,829 | 47,140 | 3,889 | 160 | 0 | 0 |
| Carcass Canyon | 50,397 | 46,711 | 3,046 | 0 | 640 | 0 |
| Cedar Mountains | 54,444 | 50,500 | 0 | 3,944 | 0 | 0 |
| Cheesebox Canyon | 16,050 | 15,410 | 640 | 0 | 0 | 0 |
| Coal Canyon | 65,828 | 61,430 | 4,398 | 0 | 0 | 0 |
| Conger Mountains | 22,320 | 20,400 | 1,920 | 0 | 0 | 0 |
| Cottonwood Canyon | 11,330 | 11,330 | 0 | 0 | 0 | 0 |
| Cougar Canyon/Tunnel Spring | 15,968 | 15,968 | 0 | 0 | 0 | 0 |
| Crack Canyon | 27,255 | 25,335 | 1,920 | 0 | 0 | 0 |
| Daniel's Canyon | 2,475 | 2,475 | 0 | 0 | 0 | 0 |
| Dark Canyon P.A. | 62,680 | 62,040 | 640 | 0 | 0 | 0 |
| Death Ridge | 68,603 | 62,870 | 4,453 | 0 | 1,280 | 0 |
| Deep Creek | 3,320 | 3,320 | 0 | 0 | 0 | 0 |
| Deep Creek Mountains | 72,375 | 68,910 | 3,209 | 256 | 0 | 0 |
| Desolation Canyon | 317,479 | 289,650 | 26,751 | 40 | 1,038 | 0 |
| Devil's Canyon | 9,610 | 9,610 | 0 | 0 | 0 | 0 |
| Devils Garden N.A. | 640 | 640 | 0 | 0 | 0 | 0 |
| Dirty Devil | 62,919 | 61,000 | 1,919 | 0 | 0 | 0 |
| Escalante Canyons N.A. (Tract I) | 360 | 360 | 0 | 0 | 0 | 0 |
| Escalante Canyons/The Gulch (Tract II-IV) | 130,757 | 119,300 | 11,457 | 0 | 0 | 0 |
| Fiddler Butte | 78,218 | 73,100 | 5,118 | 0 | 0 | 0 |
| Fifty Mile Mountain | 161,145 | 146,143 | 12,983 | 0 | 2,019 | 0 |
| Fish Creek Canyon | 50,930 | 46,440 | 4,490 | 0 | 0 | 0 |
| Fish Springs Range | 55,700 | 52,500 | 3,200 | 0 | 0 | 0 |
| Floy Canyon | 81,027 | 72,605 | 8,382 | 40 | 0 | 0 |
| Flume Canyon | 54,612 | 50,800 | 3,812 | 0 | 0 | 0 |

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| Areas where minera developmen is projected | cres of | Number and ac coal lease | | Number and ac geothermal les | res of oil ses ^b | Number and ac and gas lea | e/private | Federal ownership of minerals—state/private ownership of land | |
|---|---------|--------------------------|-------|------------------------------|--------------------------------|------------------------------|--------------------------------|---|-------|
| | Acres | Leases | Acres | Leases | Acres | Leases | mining_ claims ^c | Private | State |
| No | 0 | 0 | 0 | 0 | 40 | 1 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 1,508 | 8 | 154 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 17,932 | 21 | 360 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 910 | 2 | 20 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 1,979 | 3 | 51 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 1,690 | 8 | 23 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 2,290 | 5 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 2,320 | 2 | 0 | 0 | 640 |
| Yes | 2,545 | 1 | 0 | 0 | 1,676 | 5 | 133 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 2,205 | 2 | 3 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 480 | 1 | 38 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 5,145 | 7 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 2,500 | 3 | 251 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 80 | 1 | 48 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 320 | 1 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 7,720 | 5 | 1,748 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 1,910 | 6 | 0 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 15 | 1 | 0 | 0 | 0 |
| Yes | 6,330 | 1 | 0 | 0 | 10,770 | 21 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 38,442 | 14 | 51 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 88,165 | 71 | 34 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 425 | 1 | 27 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 15,012 | 19 | 873 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 9,630 | 19 | 1,100 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 21,600 | 12 | 350 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 4,180 | 9 | 3,254 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 4,640 | 74 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 131 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 13,695 | 9 | 4 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 2,252 | 6 | 237 | 0 | 0 |

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Utah (continued)

| | Tetel | Total ownershi | n of land and i | mineraleª | Federal owne landstate/ ownership of l | private |
|---------------------------------|--------------------|----------------|-----------------|-----------|--|---------|
| Wilderness study area | Total _ acreage | Federal | State | Private | State | Private |
| Fremont Gorge | 2,540 | 2,540 | 0 | 0 | 0 | 0 |
| French Spring/Happy Canyon | 25,640 | 25,000 | 640 | 0 | 0 | 0 |
| Goose Creek Canyon | 89 | 89 | 0 | 0 | 0 | 0 |
| Grand Gulch P.A. | 109,840 | 105,520 | 4,320 | 0 | 0 | 0 |
| Horseshoe Canyon | 21,820 | 20,500 | 800 | 520 | 0 | 0 |
| Horseshoe Canyon (SOUTH) | 40,722 | 38,800 | 1,922 | 0 | 0 | 0 |
| Howell Peak | 27,359 | 24,800 | 2,559 | 0 | 0 | 0 |
| Indian Creek | 6,870 | 6,870 | 0 | 0 | 0 | 0 |
| Jack Canyon | 8,180 | 7,500 | 640 | 0 | 0 | 0 |
| Joshua Tree N.A. | 1,040 | 1,040 | 0 | 0 | 0 | 0 |
| King Top | 92,338 | 84,770 | 7,568 | 0 | 0 | 0 |
| LaVerkin Creek Canyon | 567 | 567 | 0 | 0 | 0 | 0 |
| Link Flats N.A. | 912 | 912 | 0 | 0 | 0 | 0 |
| Little Rockies | 41,901 | 38,700 | 3,201 | 0 | 0 | 0 |
| Lost Spring Canyon | 3,880 | 3,880 | 0 | 0 | 0 | 0 |
| Mancos Mesa | 56,561 | 51,440 | 5,121 | 0 | 0 | 0 |
| Mexican Mountain | 62,208 | 59,600 | 2,608 | 0 | 0 | 0 |
| Middle Point | 6,630 | 5,990 | 640 | 0 | 0 | 0 |
| Mill Creek | 9,780 | 9,780 | 0 | 0 | 0 | 0 |
| Moquith Mountain | 15,470 | 14,830 | 640 | 0 | 0 | 0 |
| Mount Hillers | 20,504 | 20,000 | 504 | 0 | 0 | 0 |
| Mount Pennell | 74,377 | 74,300 | 77 | 0 | 0 | 0 |
| Mud Spring Canyon | 41,756 | 38,075 | 3,681 | 0 | 0 | 0 |
| Muddy Creek | 33,960 | 31,400 | 2,560 | 0 | 0 | 0 |
| Mule Canyon | 5,990 | 5,990 | 0 | 0 | 0 | 0 |
| Negro Bill Canyon | 7,620 | 7,620 | 0 | 0 | 0 | 0 |
| North Escalante Canyon N.A. (V) | 760 | 760 | 0 | 0 | 0 | 0 |
| North Fork Virgin River | 1,040 | 1,040 | 0 | 0 | 0 | 0 |
| North Stansbury Mountains | 10,480 | 10,480 | 0 | 0 | 0 | 0 |
| Notch Peak | 55,609 | 51,130 | 4,479 | 0 | 0 | 0 |
| Orderville Canyon | 1,750 | 1,750 | 0 | 0 | 0 | 0 |
| Paria-Hackberry | 150,223 | 135,822 | 14,001 | 400 | 0 | 0 |
| Parunuweap Canyon | 32,053 | 30,800 | 1,253 | 0 | 0 | 0 |
| Phipps Death Hollow N.A. | 45,290 | 42,731 | 2,559 | 0 | 0 | 0 |
| Pine Canyon | 10,890 | 10,890 | 0 | 0 | 0 | 0 |

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| Areas where mineral development is projected | cres of | Number and ac coal lease | | Number and ac geothermal le | res of oil ses ^b | Number and ac and gas lea | Number of ¹ mining_ | e/private | Federal owne ninerals—state ownership o |
|---|---------|--------------------------|-------|--------------------------------|--------------------------------|------------------------------|-----------------------------------|-----------|---|
| | Acres | Leases | Acres | Leases | Acres | Leases | claims ^c | Private | State |
| No No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 2,240 | 3 | 89 | 0 | 0 |
|) Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| No No | 0 | 0 | 0 | 0 | 4,625 | 14 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 1,980 | 4 | 21 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 7,840 | 10 | 81 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 20,106 | 12 | 176 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 1,840 | 5 | 0 | 0 | 40 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 2,040 | 3 | 205 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 780 | 2 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 52,280 | 30 | 2,438 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 14,864 | 16 | 176 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | . 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 1,937 | 4 | 76 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 6,730 | 6 | 385 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 6,604 | 10 | 113 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 6,220 | 11 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 303 | 0 | 0 |
| No | 0 | 0 | 0 | 0 | 120 | 1 | 2 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 2,784 | 9 | 185 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 4,180 | 3 | 6 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 8,672 | 3 | 175 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 19,180 | 25 | 39 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 30 | 1 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 560 | 2 | 0 | 0 | 0 |
| Yes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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Utah (continued)

| | Total | Total ownersh | ip of land and I | nineralsª | Federal ownership of land—state/private ownership of minerals | |
|-----------------------|-----------|---------------|------------------|-----------|---|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Red Butte | 804 | 804 | 0 | 0 | 0 | 0 |
| Red Mountain | 19,195 | 18,250 | 905 | 40 | 0 | 0 |
| Road Canyon | 56,196 | 52,420 | 3,776 | 0 | 0 | 0 |
| Rockwell | 9,150 | 9,150 | 0 | 0 | 0 | 0 |
| San Rafael Reef | 63,199 | 59,170 | 4,029 | 0 | 0 | 0 |
| Scorpion | 37,164 | 35,884 | 1,280 | 0 | 0 | 0 |
| Sheiks Flat | 3,140 | 3,140 | 0 | 0 | 0 | 0 |
| Sids Mountain | 88,081 | 80,530 | 6,951 | 600 | 0 | 0 |
| Slickhorn Canyon | 45,390 | 45,390 | 0 | 0 | 0 | 0 |
| Spring Canyon | 4,433 | 4,433 | 0 | 0 | 0 | . 0 |
| Spruce Canyon | 22,544 | 20,350 | 2,194 | 0 | 0 | 0 |
| Steep Creek | 23,941 | 21,896 | 1,907 | 0 | 138 | 0 |
| Swasey Mountain | 55,013 | 49,500 | 5,513 | 0 | 0 | 0 |
| Taylor Creek Canyon | 35 | 35 | 0 | 0 | 0 | 0 |
| The Blues | 19,670 | 19,030 | 640 | 0 | 0 | 0 |
| The Cockscomb | 10,080 | 10,080 | 0 | 0 | 0 | 0 |
| The Watchman | 600 | 600 | 0 | 0 | 0 | 0 |
| Turtle Canyon | 36,939 | 33,690 | 3,249 | 0 | 0 | 0 |
| Wah Wah Mountains | 45,342 | 42,140 | 3,202 | 0 | 0 | 0 |
| Wahweap | 148,006 | 134,400 | 13,606 | 0 | 0 | 0 |
| Westwater Canyon | 32,280 | 31,160 | 1,120 | 0 | 0 | 0 |
| Winter Ridge | 45,023 | 42,462 | 2,561 | 0 | 0 | 0 |
| State total | 3,546,042 | 3,302,567 | 231,680 | 6,000 | 5,115 | 0 |

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| Federal ownership of minerals—state/private ownership of land | | Number of mining. | Number and and gas l | acres of oil leases ^b | Number and geotherma | | Number and coal lea | | Areas where mineral development is projected |
|---|---------|-------------------|-------------------------|-------------------------------------|----------------------|-------|------------------------|-------|---|
| State | Private | claims | Leases | Acres | Leases | Acres | Leases | Acres | to occurd |
| 0 | 0 | 0 | 2 | 330 | 0 | 0 | 0 | C | Yes |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | C | Yes |
| 0 | 0 | 0 | 25 | 4,243 | 0 | 0 | 0 | C | No |
| 0 | 0 | 36 | 0 | 0 | 0 | 0 | 0 | C | Yes |
| 0 | 0 | 1,006 | 14 | 20,619 | 0 | 0 | 0 | C | Yes |
| 0 | 0 | 0 | 2 | 3,200 | 0 | 0 | 0 | C | Yes |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | C | Yes |
| 0 | 0 | 803 | 9 | 6,282 | 0 | 0 | 0 | C | Yes |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | 0 | 3 | 660 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | 0 | 2 | 360 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | 82 | 5 | 6,720 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | 112 | 16 | 28,726 | 0 | 0 | 0 | C | Yes |
| 0 | 0 | 0 | 1 | 53 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | 0 | 6 | 800 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | 22 | 1 | 440 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | 0 | 1 | 160 | 0 | 0 | 0 | 0 | No |
| 0 | 0 | 0 | 7 | 9,840 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | 62 | 2 | 707 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | 21 | 20 | 11,009 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | Yes |
| 0 | 0 | 0 | 11 | 4,180 | 0 | 0 | 0 | 0 | Yes |
| 680 | 0 | 15,578 | 638 | 523,593 | 0 | 0 | 2 | 8,875 | |

^aTotal ownership means ownership of surface and subsurface rights.

^bAll leases issued after the passage of the Federal Land Policy and Management Act of 1976.

°Mining claim information developed and summarized at the time of our review.

^dDevelopment projections completed at the time of our review.

Table I.10: Wyoming

 $\frac{1}{100} = \frac{1}{100} = \frac{1}$

| | Total | Total ownership | Federal ownership of land-state/private ownership of minerals | | | |
|-------------------------------|---------|-----------------|---|---------|-------|---------|
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Adobe Town | 87,600 | 84,430 | 640 | 0 | 2,530 | 0 |
| Alkali Basin/East Sand Dunes | 12,800 | 12,800 | 0 | 0 | 0 | 0 |
| Alkali Creek | 10,780 | 10,100 | 0 | 680 | 0 | 0 |
| Alkali Draw | 17,630 | 16,990 | 640 | 0 | 0 | 0 |
| Bennett Mountains | 5,722 | 5,722 | 0 | 0 | 0 | 0 |
| Bobcat Draw Badlands | 18,430 | 17,150 | 1,280 | 0 | 0 | 0 |
| Buffalo Hump | 10,300 | 10,300 | 0 | 0 | 0 | 0 |
| Cedar Mountain | 21,570 | 21,570 | 0 | 0 | 0 | 0 |
| Copper Mountain | 6,858 | 6,858 | 0 | 0 | 0 | 0 |
| Devils Playground/Twin Buttes | 23,841 | 22,561 | 0 | 0 | 1,280 | 0 |
| Dubois Badlands | 4,520 | 4,520 | 0 | 0 | 0 | 0 |
| Encampment | 3,380 | 3,380 | 0 | 0 | 0 | 0 |
| Ferris Mountains | 22,655 | 22,495 | 0 | 160 | 0 | 0 |
| Fortification Creek | 13,059 | 12,419 | 640 | 0 | 0 | 0 |
| Gardner Mountain | 6,423 | 6,423 | 0 | 0 | 0 | 0 |
| Honeycomb Buttes | 42,044 | 40,764 | 640 | 0 | 640 | 0 |
| Honeycombs | 21,260 | 21,000 | 0 | 0 | 260 | 0 |
| Lake Mountain | 13,865 | 13,865 | 0 | 0 | 0 | 0 |
| McCullough Peaks | 25,850 | 24,570 | 640 | 0 | 640 | 0 |
| Medicine Lodge | 7,740 | 7,740 | 0 | 0 | 0 | 0 |
| North Fork Powder River | 10,089 | 10,089 | 0 | 0 | 0 | 0 |
| Oregon Buttes | 5,700 | 5,700 | 0 | 0 | 0 | 0 |
| Owl Creek | 710 | 710 | 0 | 0 | 0 | 0 |
| Prospect Mountain | 1,099 | 1,099 | 0 | 0 | 0 | 0 |
| Raymond Mountain | 34,456 | 32,936 | 1,320 | 200 | 0 | 0 |
| Red Butte | 10,630 | 10,190 | 0 | 0 | 440 | Ō |
| Red Creek Badlands | 8,660 | 8,020 | 640 | 0 | 0 | 0 |
| Red Lake | 9,515 | 9,515 | 0 | 0 | 0 | 0 |
| Sand Dunes | 27,309 | 26,509 | 640 | 160 | 0 | 0 |
| Scab Creek P.A. | 7,636 | 7,636 | 0 | 0 | 0 | 0 |
| Sheep Mountain | 23,250 | 22,210 | 0 | 0 | 1,040 | 0 |
| South Pinnacles | 10,800 | 10,800 | 0 | 0 | 0 | 0 |
| Sweetwater Canyon | 9,056 | 9,056 | 0 | 0 | 0 | 0 |
| Sweetwater Rocks | 6,316 | 5,956 | 0 | 0 | 360 | 0 |
| Sweetwater Rocks | 12,829 | 12,749 | 0 | 40 | 40 | 0 |

(continued)

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GAO/RCED-87-131 BLM Wilderness

| reas where mineral evelopmen s projected | cres of d | Number and ac coal leases | | Number and ac geothermal les | es of oil ses ^b | Number and ac and gas lea | Number of mining. | rship of e/private f land | Federal ownership of minerals—state/private ownership of land | |
|---|-----------|------------------------------|-------|------------------------------|-------------------------------|------------------------------|--------------------------|---------------------------------|---|--|
| to occur | Acres | Leases | Acres | Leases | Acres | Leases | claims | Private | State | |
| Yes | 0 | 0 | 0 | 0 | 25,470 | 47 | 0 | 0 | 0 | |
| Yes | 0 | 0 | 0 | 0 | 5,340 | 12 | | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 3,790 | 6 | | 0 | 0 | |
| Yes | 0 | 0 | 0 | 0 | 4,960 | 5 | | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 3,843 | 7 | | 0 | 0 | |
| No | 0 | 0 | 0 | 0 | 8,590 | 7 | 0 | 0 | 0 | |
| Yes | 0 | 0 | 0 | 0 | 4,070 | 5 | | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 15,584 | 24 | | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 160 | 1 | | 0 | 0 | |
| Yes | 0 | 0 | 0 | 0 | 18,050 | 21 | | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | |
| Yes | 0 | 0 | 0 | 0 | 15,927 | 5 | | 0 | 0 | |
| No | 0 | 0 | 0 | 0 | 1,840 | 3 | 0 | 0 | 0 | |
| No | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Yes | 0 | 0 | 0 | 0 | 5,840 | 14 | | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 6,018 | 20 | | 0 | 0 | |
| Yes | 0 | 0 | 0 | 0 | 3,370 | 14 | | 0 | 0 | |
| No | 0 | 0 | 0 | 0 | 5,157 | 12 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 9,045 | 3 | | 0 | 0 | |
| No | 0 | 0 | 0 | 0 | 150 | 2 | 0 | 0 | 0 | |
| Yes | 0 | 0 | 0 | 0 | 1,490 | 3 | | 0 | 0 | |
| No | 0 | 0 | 0 | 0 | 430 | 2 | | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | |
| Yes | 0 | 0 | 0 | 0 | 1,000 | 3 | | 0 | 0 | |
| No | 0 | 0 | 0 | 0 | 6,800 | 20 | 0 | 0 | 0 | |
| Yes | 0 | 0 | 0 | 0 | 4,070 | 7 | | 0 | 0 | |
| Yes | 0 | 0 | 0 | 0 | 3,840 | 12 | ************************ | 0 | 0 | |
| Yes | 0 | 0 | 0 | 0 | 15,658 | 31 | | 0 | 0 | |
| No | 0 | 0 | 0 | 0 | 320 | 1 | | 0 | 0 | |
| No | 0 | 0 | 0 | 0 | 8,720 | 25 | 0 | 0 | 0 | |
| Yes | 0 | 0 | 0 | 0 | 3,970 | 6 | | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | |
| ······· | 0 | 0 | 0 | 0 | 1.726 | 2 | | 0 | 0 | |

(continued)

GAO/RCED-87-131 BLM Wilderness

| Wyoming (continued) | | | | | | |
|-----------------------|------------|---------------|----------------|--|---------|---------|
| | Total | Total ownersh | ip of land and | Federal ownership of landstate/private ownership of minerals | | |
| Wilderness study area | acreage | Federal | State | Private | State | Private |
| Sweetwater Rocks | 7,041 | 7,041 | 0 | 0 | 0 | 0 |
| Sweetwater Rocks | 6,429 | 6,429 | 0 | 0 | 0 | 0 |
| Trapper Creek | 7,200 | 7,200 | 0 | 0 | 0 | 0 |
| Whiskey Mountain | 487 | 487 | 0 | 0 | 0 | 0 |
| White Horse Creek | 4,002 | 4,002 | 0 | 0 | 0 | 0 |
| State total | 579,541 | 563,991 | 7,080 | 1,240 | 7,230 | 0 |
| Grand total | 26,280,479 | 24,535,389 | 584,056 | 470,066 | 178,074 | 485,707 |

(continued)

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an an the **State** State State

19 19 (10)

| Federal owne mineralsstat ownership o | e/private | Number of mining | Number and a and gas l | acres of oil eases ^b | Number and a geothermal I | | Number and a coal lease | | Areas where mineral development is projected |
|---|-----------|---------------------|---------------------------|------------------------------------|---------------------------|--------|----------------------------|-------|---|
| State | Private | claimsc | Leases | Acres | Leases | Acres | Leases | Acres | |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | C |) |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | C |) |
| 0 | 0 | | 6 | 4,899 | 0 | 0 | 0 | C |) |
| 0 | 0 | | 0 | 0 | 0 | 0 | 0 | C |) |
| 0 | 0 | | 1 | 100 | 0 | 0 | 0 | C |) Yes |
| 0 | 0 | 0 | 327 | 190,228 | 0 | 0 | 0 | C |) |
| 5,100 | 22,087 | 42,923 | 2,312 | 2,669,526 | 30 | 51,709 | 2 | 8,875 | , , |

^aTotal ownership means ownership of surface and subsurface rights.

^bAll leases issued after the passage of the Federal Land Policy and Management Act of 1976.

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^cMining claim information developed and summarized at the time of our review.

^dDevelopment projections completed at the time of our review.

Comments From the Department of the Interior

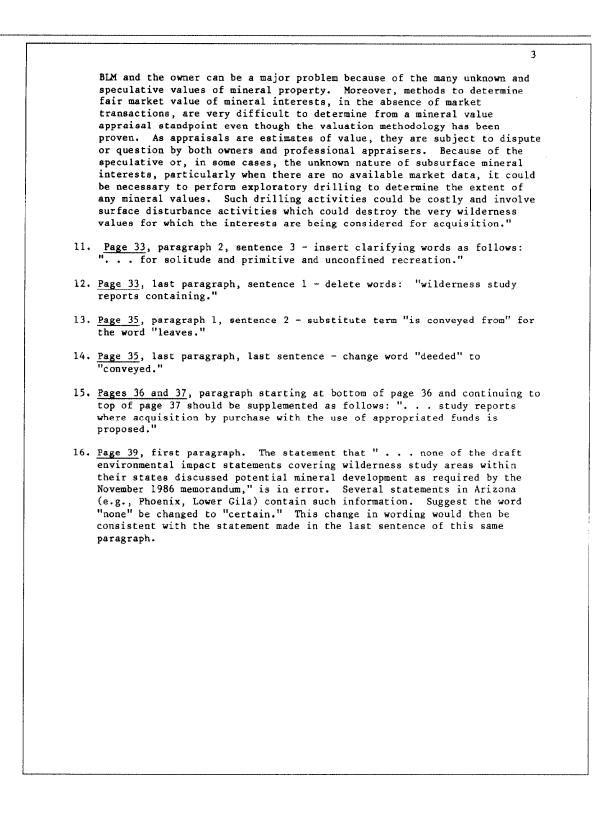
| | United States Department of the Interior | | | | | | | |
|--|--|---|--|--|--|--|--|--|
| | OFFICE OF THE SECRETARY WASHINGTON, D.C. 20240 | 1245 (342 | | | | | | |
| | NUL | 9 1987 | | | | | | |
| Resources Economic General Acc | er Peach omptroller General for , Community, and Development Programs ounting Office D.C. 20548 | | | | | | | |
| Dear Mr. Pe | | | | | | | | |
| entitled <u>Fe</u> <u>Wilderness</u> <u>Coordinator</u> completed o period. Our overall the situati with non-Fe | reference to the General Accounting Office (GAO) deral Land Management: Nonfederal Land and Miner Areas Could Pose Problems transmitted to the Deps by your letter of May 4, 1987. As you requested ur review comments on the draft report within the comment on the report is that it accurately and on that confronts the Bureau of Land Management (deral lands and interests located in BLM wilderne | al Rights in BLM' rtmental Audit , we have specified 30-day factually present: BLM) in dealing ss areas. As you | | | | | | |
| frequently the finding | cates, the magnitudes of the acreages involved co pose management problems for the BLM. The Depart s and recommendations contained in your report ar c recommendations you have made. | ment agrees with | | | | | | |
| both at the this study. the BLM sta | express our appreciation for the manner in which Washington Office and the Los Angeles Regional (Their professional manner and cooperative effor ff are to be commended. With the approach taken recommendations are very viable in terms of imple nd the BLM. | ffice, conducted ts in working with by GAO in this | | | | | | |
| Our comment | s on the report are set forth below. | | | | | | | |
| General | | | | | | | | |
| used, it wo "rights." | the report, wherever the term(s) "land and minera uld be preferable to use the term "interests," ra Interests is a more inclusive descriptor of the n ure and ownership arrangements that may be involv | ther than ature of the | | | | | | |
| various ten | | | | | | | | |

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| Spe | cific (References are to page numbers of the draft report) |
| 1. | <u>Page 3</u> , Background, paragraph 1, first sentence - change sentence to read: "FLPMA requires that the Secretary's wilderness recommendations " |
| 2. | <u>Page 4</u> , Principal Findings, paragraph 2, last sentence - change sentence to read: "BLM instructed its State Offices to exclude, where possible, non-Federal land when drawing the boundaries of the areas to be recommended for wilderness." |
| 3. | <u>Page 5</u> , Recommendation to the Secretary of the Interior, second sentence - change sentence to read: "Therefore, GAO recommends that the Secretary direct BLM to provide the Congress, on a request basis originated from them, with available analyses regarding such non-Federal land and mineral interests for any wilderness legislative proposals being considered by the Congress." |
| 4. | Page 18, paragraph 1 - change sentence to read the same as noted in item 2 above. |
| 5. | <u>Page 21</u> , paragraph 2, sentence 4 - insert clarifying term "(i.e., privately owned)" after the word "patented." |
| 6. | <u>Page 23</u> , paragraph 2, last sentence - change sentence to read: "Generally, ownership of subsurface minerals is accompanied by the right to use as much of the surface as is reasonably necessary to gain access to and develop these minerals." |
| 7. | Page 23, paragraph 3, both sentences - change in part to read: " original land patent or conveyance document." Change in part to read: " variations in conveyance documents" |
| 8. | Page 28, top of page, add an additional explanatory sentence, as follows: "The reason for this is that close working relationships and cooperative efforts have been established by BLM and the various State land departments." |
| 9. | Page 30, top of page, last sentence - change word "similar" to term "approximately equal." |
| 10. | Page 31, last paragraph - suggest changing to read as follows: |
| | "BLM officials told us that they anticipate encountering many of the same problems in acquiring non-Federal land and mineral interests within wilderness study areas when they are designated as wilderness that they are now facing in the 23 designated areas. Furthermore, they believe that attempts to acquire private minerals to prevent development could be costly and difficult since there are few market transactions involving the sale of mineral interests which may only have prospective values for development. Thus, establishing a mutually agreeable value between the |
| | |

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GAO/RCED-87-131 BLM Wilderness

Appendix II Comments From the Department of the Interior

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4 Thank you for the opportunity to review the draft report, and, with the changes we suggest above, we feel the report is a commendable effort at dealing with a most difficult problem for the BLM. If we may be of additional assistance on this report or other matters, please feel free to contact us. Sincerely, istant Secretary, Land and Deputy Minerals Management

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Appendix III Major Contributors to This Report

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| Los Angeles Regional Office | Larry Aldrich, Evaluator-in-Charge Tim Fairbanks, Site Senior Anthony Moran, Evaluator |

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