

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Selected Published References on the Geology and Mineral  
Resources of some Forest Service Wilderness and Roadless Areas  
in the United States.

compiled by  
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This report has not been reviewed for conformity with U.S. Geological Survey editorial standards.

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## STUDIES RELATED TO WILDERNESS

The Wilderness Act (Public Law 88-577, September 3, 1964) and related acts require the U.S. Geological Survey and the U.S. Bureau of Mines to survey certain areas on Federal lands to determine their mineral resource potential. Results must be made available to the public and be submitted to the President and the Congress. This report presents a bibliography of selected reports that have been published or released through December, 1983, or cited in U.S.G.S. Professional Paper 1300.

### INTRODUCTION

In 1983, the U.S. Geological Survey and U.S. Bureau of Mines published Geological Survey Professional Paper 1300, Wilderness Mineral Potential, edited by S. P. Marsh, S. J. Kropschot, and R. G. Dickinson. Professional Paper 1300 is a two-volume, 1183-page summary of mineral resource evaluations conducted chiefly on U.S. Forest Service lands by the USGS and USBM between 1964 and 1984. An index to all the areas reported on can be found at the back of volume 2.

This Open-File report is a compilation of the references cited in Professional Paper 1300. The references are organized alphabetically by area within each state. In some instances, where boundaries of areas cross state lines the references to an area may be listed under as many as three states. The Open-File report is intended to be used by individuals interested in the primary geological publications on wilderness and roadless areas of some Forest Service lands in a given state. For them, this report will be easier to use and more compact than the parent 2-volume professional paper. It is also a useful bibliography of selected reports generated during the 20-year study of U.S. Forest Service wilderness lands and roadless areas.

The compilation was requested and encouraged by Gus H. Goudarzi, Wilderness Coordinator, Office of Mineral Resources, U.S. Geological Survey. The compilation was prepared using the machine-readable record produced during the preparation of Professional Paper 1300. Julia M. Boehm assisted the compiler in the generation of this report.

## ALABAMA

### **Adams Gap and Shinbone Creek Roadless Areas**

- Bearce, D. N., 1973, Geology of the Talladega metamorphic belt in Cleburne and Calhoun Counties, Alabama: American Journal of Science, v.273,p.742-754
- Erickson, M. S., Hanley, J. T., Kelley, D. L., and Sherlock, L. J., 1983, Analyses and descriptions of geochemical samples, Adams Gap and Shinbone Creek Roadless Areas, Clay County, Alabama: U.S. Geological Survey Open-File Report OF-83-335.
- Harrison, D. K., and Armstrong, M. K., 1982, Mineral resources of Shinbone Creek and Adams Gap RARE II Further Planning Area, Clay County, Alabama: U.S. Bureau of Mines Open-File Report MLA-43-82, 19 p.
- Neathery, T. L., 1973, The Talladega front--Synopsis of previous work, in Carrington, T. J., ed, Talladega metamorphic front: Alabama Geological Society Guidebook, 11th Annual Field Trip, p. 1-9.
- Robinson, G. R., Jr., Klein, T. L., and Lesure, F. G., 1983, Geologic map of Adams Gap and Shinbone Creek Roadless Areas, Clay County, Alabama: U.S. Geological Survey Miscellaneous Field Studies MF-1561-A.
- Robinson, G. R., Jr., Klein, T. L., Lesure, F. G., and Hanley, J. T., 1983, Geochemical survey of the Adams Gap and Shinbone Creek Roadless Areas: U.S. Geological Survey Miscellaneous Field Studies MF-1561-B.
- Robinson, G. R., Jr., Klein, T. L., Lesure, F. G., Harrison, D. K., and Armstrong, M. K., 1983, Mineral resource potential map of the Adams Gap and Shinbone Creek Roadless Areas, Clay County, Alabama: U.S. Geological Survey Miscellaneous Field Studies Map MF-1561-C, scale 1:48,000.
- Thomas, W. A., and others, 1980, Geological synthesis of the southernmost Appalachians, Alabama and Georgia, in Wones, D. R., ed., Proceedings--The Caledonides in the USA: Virginia Polytechnic Institute, Department of Geology Sciences Memoir 2, Blacksburg, VA, p. 91-97.

### **Big Sandy, West Elliotts Creek, and Reed Brake Roadless Areas**

- Armstrong, M. K., and Mory, P. C., 1982, Mineral resources of Big Sandy and West Elliotts Creek RARE II and Further Planning Areas and Reed Brake RARE II Wilderness Area, Tuscaloosa, Hale, and Bibb Counties, Alabama: U.S. Bureau of Mines Mineral Land Assessment Open-File Report 50-82, 23 p.
- Patterson, S. H., Armstrong, M. K., and Mory, P. C., 1983, Mineral resource potential map of the Big Sandy, West Elliotts Creek, and the Reed Brake Roadless Areas, Tuscaloosa, Hale, and Bibb Counties, Alabama: U.S. Geological Survey Miscellaneous Field Studies Map MF-1505-B, scale 1:250,000.
- Szabo, M. W., and Patterson, S. H., 1983, Geologic maps of the Big Sandy, West Elliotts Creek, and Reed Brake Roadless Areas, Tuscaloosa, Hale, and Bibb Counties, Alabama: U.S. Geological Survey Miscellaneous Field Studies Map MF-1505-A, scale 1:48,000.

### **Sipsey Wilderness and Additions**

- Grosz, A. E., 1981, Geochemical survey of the Sipsey Wilderness and additions, Lawrence and Winston Counties, Alabama: U.S. Geological Survey Miscellaneous Field Studies Map MF-1288-A, scale 1:50,000.

**Sipsey Wilderness and Additions--continued**

- Haley, B. R., 1981, Oil and natural gas potential (Sipsey Wilderness and additions): U.S. Geological Survey Administrative Report, 7 p.
- Mory, P. C., Ross, R. B., Jr., and Behum, P. T., 1981, Mineral resources of the Sipsey Wilderness and RARE II areas, Lawrence and Winston Counties, Alabama: U.S. Bureau of Mines Open-File Report MLA-19-81, 42 p.
- Schweinfurth, S. P., Trent, V. A., and Helton, E. D., 1981, Geologic map of the Sipsey Wilderness and additions, Lawrence and Winston Counties, Alabama: U.S. Geological Survey Miscellaneous Field Studies Map MF-1288-B, scale 1:50,000.
- Schweinfurth, S. P., Mory, P. C., Ross, R. B., Jr., and Behum, P. T., 1982, Mineral resource potential map of the Sipsey Wilderness and additions, Lawrence and Winston Counties, Alabama: U.S. Geological Survey, Miscellaneous Field Studies Map MF-1288-D, scale 1:50,000.

## ALASKA

### **Study areas within the Chugach National Forest**

- Jansons, Uldis, 1981, 1979 Bureau of Mines sampling sites and analytical results for samples collected in the Chugach National Forest, Alaska: U.S. Bureau of Mines Open-File Report 83-81, 229 p.
- Nelson, S. W., Barnes, D. F., Dumoulin, J. A., Goldfarb, R. J., Koski, R. A., Miller, M. L., Jansons, Uldis, and Pickthorn, W. J., in press, Mineral resource potential map of the Chugach National Forest, Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-1645-A.
- Tysdal, R. G., and Case, J. E., 1982, Metalliferous mineral resource potential of the Seward and Blying Sound quadrangles, southern Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-880-H, scale 1:250,000.

### **Glacier Bay National Monument Wilderness study area**

- Brew, D. A., Johnson, B. R., Grybeck, Donald, Griscom, Andrew, Barnes, D. F., Kimball, A. L., Still, J. C., and Rataj, J. L., 1978, Mineral resources of Glacier Bay National Monument Wilderness Study Area, Alaska: U.S. Geological Survey Open-File Report 78-494, 670 p.
- Johnson, B. R., 1978, Statistical analysis of geochemical data from Glacier Bay National Monument, Alaska: U.S. Geological Survey Open-File Report 78-495.

### **Granite Fiords Wilderness study area**

- Berg, H. C., Elliott, R. L., Smith, J. G., Pittman, T. L., and Kimball, A. L., 1977, Mineral resources of the Granite Fiords Wilderness study area, Alaska: U.S. Geological Survey Bulletin 1403, 151 p.
- Berg, H. C., Elliott, R. L., and Koch, R. D., 1978, Map and tables describing areas of metalliferous mineral-resource potential in the Ketchikan and Prince Rupert quadrangles, Alaska: U.S. Geological Survey Open-File Report 78-73M, 48 p.

### **Tracy Arm-Fords Terror Wilderness study area and vicinity**

- Brew, D. A., Grybeck, Donald, Johnson, B. R., Jachens, R. C., Nutt, C. J., Barnes, D. F., Kimball, A. L., Still, J. C., and Rataj, J. L., 1977, Mineral resources of the Tracy Arm-Fords Terror Wilderness Study Area and vicinity, Alaska: U.S. Geological Survey Open-File Report 77-649, 300 p.
- \_\_\_\_\_, 1982, Mineral resources of the Tracy Arm-Fords Terror wilderness study area and vicinity, Alaska: U.S. Geological Survey Bulletin 1525 (in press).

### **Western Chichagof and Yakobi Islands Wilderness study area**

- Johnson, B. R., and Karl, S. M., 1982, Reconnaissance geologic map of the Western Chichagof and Yakobi Islands Wilderness Study Area, southeastern Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-1476-A, scale 1:125,000 (in press).

**Western Chichagof and Yakobi Islands Wilderness study area--continued**

- Johnson, B. R., Kimball, A. L., and Still, J. C., 1982, Mineral resource potential of the Western Chichagof and Yakobi Islands Wilderness Study Area, southeastern Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-1476-B, scale 1:125,000 (in press).
- Kimball, A. L., 1982, Mineral land assessment of Yakobi Island and adjacent parts of Chichagof Island, southeastern Alaska: U.S. Bureau of Mines MLA 97-82, 199 p.
- Loney, R. A., Brew, D. A., Muffler, L.J.P., and Pomeroy, J. S., 1975, Reconnaissance geology of Chichagof, Baranof, and Kruzof Islands, southeastern Alaska: U.S. Geological Survey Professional Paper 792, 105 p.
- Still, J. C., and Weir, K. R., 1981, Mineral land assessment of the west portion of western Chichagof Island, southeastern Alaska: U.S. Bureau of Mines Open-File Report 89-81, 168 p.

## ARIZONA

### **Arnold Mesa Roadless Area**

- Anderson, C. A., and Creasey, S. C., 1958, Geology and ore deposits of the Jerome area, Yavapai County, Arizona: U.S. Geological Survey Professional Paper 308, 185 p.
- Donnelly, M. E., and Hahn, G. A., 1981, A review of the Precambrian volcanogenic massive sulfide deposits in central Arizona and the relationship to their depositional environment, in Dickinson, W. R., and Payne, W. D., editors, Relations of tectonics to ore deposits in the southern Cordillera: Arizona Geological Society Digest, v. 14, p. 11-21.
- Hill, J. M., 1949, Report on the Squaw Peak copper mine, Yavapai County, Arizona, in Squaw Peak Mine: Arizona Department of Resources Open-File Report, 10 p.
- McColly, R. A., and Korzeb, S. L., 1981, Mines and prospects map of the Arnold Mesa RARE II Further Planning Area, Yavapai County, Arizona: U.S. Bureau of Mines Open-File Report MLA 31-81, scale 1:24,000.
- McKee, E. H., and Anderson, C. A., 1971, Age and chemistry of Tertiary volcanic rocks in north-central Arizona and relation of the rocks of the Colorado Plateaus: Geological Society of America Bulletin, v. 82, p. 2767-2782.
- Nations, J. D., 1974, Paleontology, biostratigraphy, and paleoecology of the Verde Formation of late Cenozoic age, north-central Arizona, in Karlstrom, T.N.V., Swann, G. A., and Eastwood, R. L., eds., Geology of northern Arizona with notes on archeology and paleoclimate, Part 2--Area studies and field guides: p. 611-629.
- Roe, R. R., 1976, Geology of the Squaw Peak porphyry copper-molybdenum deposit, Yavapai County, Arizona: Tuscon, Arizona University, unpublished M.S. thesis, 102 p.
- Ross, P. P., and Farrar, C. D., 1980, Map showing potential geothermal-resource areas, as indicated by the chemical character of ground water, in Verde Valley, Yavapai County, Arizona: U.S. Geological Survey Water-Resources Investigations Open-File Report 80-13.
- Wolfe, E. W., Wallace, A. R., McColly, R. A., and Korzeb, S. L., 1983, Mineral resource potential map of the Arnold Mesa Roadless Area, Yavapai County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1577-A, scale 1:24,000.

### **Blue Range Wilderness, Arizona and New Mexico**

- Eaton, G. P., and Ratté, J. C., 1969, Significance of an aeromagnetic anomaly in the southwestern part of the Blue Range Primitive area, Arizona-New Mexico: U.S. Geological Survey Open-file report, 5 p.
- Ratté, J. C., Landis, E. R., Gaskill, D. L., and Raabe, R. G., 1969, Mineral resources of the Blue Range Primitive area, Greenlee County, Arizona and Catron County, New Mexico, with a section on Aeromagnetic interpretation by G. P. Eaton, U.S. Geological Survey: U.S. Geological Survey Bulletin 1261-E, 91 p.

### **Bunk Robinson Peak and Whitmire Canyon Roadless Areas, New Mexico and Arizona**

- Hayes, P. T., 1982, Geologic map of Bunk Robinson Peak and Whitmire Canyon Roadless Areas, Coronado National Forest, New Mexico and Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1425-A, scale 1:62,500.
- Hayes, P. T., Watts, K. C., Hassemer, J. R., and Brown, S. D., 1983, Mineral resource potential map of Bunk Robinson Peak and Whitmire Canyon Roadless Areas, Hidalgo County, New Mexico and Cochise County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1425-B, scale 1:62,500.
- Watts, K. C., Hassemer, J. R., and Day, G. W., 1983, Geochemical maps of Bunk Robinson Peak and Whitmire Canyon Roadless Areas, Hidalgo County, New Mexico and Cochise County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1425-C, scale 1:62,500.

### **Chiricahua Wilderness**

- Drewes, Harald, 1981a, Geologic map and sections of the Bowie Mountain South quadrangle, Cochise County, Arizona: U.S. Geological Survey Miscellaneous Investigations Map I-1363, scale 1:24,000.
- \_\_\_\_\_, 1981b, Tectonics of southeastern Arizona: U.S. Geological Survey Professional Paper 1144, 96 p.
- Drewes, Harald, and Williams, F. E., 1973, Mineral resources of the Chiricahua Wilderness area, Cochise County, Arizona: U.S. Geological Survey Bulletin 1385-A, 53 p.
- Marjaniemi, D. K., 1968, Tertiary volcanism in the northern Chiricahua Mountains, Cochise County, Arizona, in Southern Arizona Guidebook 3: Arizona Geological Society, p. 209-214.
- Pierce, H. W., Keith, S. B., and Wilt, J. C., 1970, Coal, oil, natural gas, helium, and uranium in Arizona: Arizona Bureau of Mines Bulletin 182, 289 p.
- Sabins, F. E., Jr., 1957, Geology of the Cochise Head and western part of the Vanar quadrangles, Arizona: Geological Society of America Bulletin, v. 68, no. 10, p. 1315-1342.

### **Dragoon Mountains Roadless Area**

- Drewes, Harald, Kreidler, T. J., Watts, K. C., Jr., and Klein, D. P., 1983, Mineral resource potential of the Dragoon Mountains Roadless Area, Cochise County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1521-B, scale 1:50,000.
- Drewes, Harald, and Meyer, G. A., 1983, Geologic map of the Dragoon Mountains Roadless Area, Cochise County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1521-A, scale 1:50,000.

### **Fossil Springs Roadless Area**

- Davis, W. E., and Weir, G. W., 1983, Map showing aeromagnetic survey of the Fossil Springs Roadless Area, Yavapai, Gila, and Coconino Counties, Arizona: U. S. Geological Survey Miscellaneous Field Studies Map MF-1568-B, scale 1:24,000 (in press).

### **Fossil Springs Roadless Area--continued**

- Pierce, H. W., Jones, N. and Rogers, R., 1977, A survey of uranium favorability of Paleozoic rocks in the Mogollon Rim and slope region - east central Arizona: Arizona Bureau of Geology and Mineral Technology Circular 19, 60 p.
- Pierce, H. W., Damon, P. E. and Shafiqullah, M., 1979, An Oligocene(?) Colorado Plateau edge in Arizona, Tectonophysics, Vol. 61, p.1-24.
- Rogers, R. D., 1977, Copper mineralization in Pennsylvanian-Permian rocks of the Tonto Rim segment of the Mogollon Rim in central Arizona: Tucson, Ariz., University of Arizona, unpublished M.S. thesis, 65 p.
- Twenter, F. R., 1962, The significance of the volcanic rocks in the Fossil Creek area, Arizona: New Mexico Geological Society, Guidebook 13th Field Conference, p. 107-108.
- Wier, G. W., Beard, L. S., and Ellis, C. E., 1983, Mineral resource potential and geochemical map of the Fossil Springs Roadless Area, Yavapai, and Coconino Counties, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1568-A, scale 1:24,000.

### **Galiuro Wilderness and contiguous roadless areas**

- Creasey, S.C., Jinks, J. E., Williams, F. E., and Meeves, H. C., 1981, Mineral resources of the Galiuro Wilderness and contiguous Further Planning Areas, Arizona: U.S. Geological Survey Bulletin 1490, 94 p.

### **Hells Gate Roadless Area**

- Conway, C. M., 1976, Petrology, structure, and evolution of a Precambrian volcanic and plutonic complex, Tonto Basin, Gila County, Arizona: Pasadena, California Institute of Technology, unpublished Ph.D. thesis, 460 p.
- Conway, C. M., McColly, R. A., Marsh, S. P., Kulik, D. M., Martin, R. A., and Kilburn, J. E., in press, Mineral resource potential map of the Hells Gate Roadless Area, Gila County, Arizona: U. S. Geological Survey Miscellaneous Field Studies Map MF- 1644-A.
- Gastil, R. G., 1958, Older Precambrian rocks of the Diamond Butte Quadrangle, Gila County, Arizona: Geological Society of America Bulletin v. 69, p. 1495-1514.
- Wrucke, C. T., Marsh, S. P., Conway, C. M., Ellis, C. E., Kulik, D. M., and Moss, C. K., 1983, Mineral resource potential map of the Mazatzal Wilderness and contiguous roadless areas, Gila, Maricopa, and Yavapai Counties, Arizona: U. S. Geological Survey Miscellaneous Field Studies Map MF-1573-A, scale 1:48,000.

### **Hells Hole Roadless Area, Arizona and New Mexico**

- Hassemer, J. R., Watts, K. C., Forn, C. L., and Mosier, E. L., 1981, Methodology, statistical analysis, and listing of the spectrographic analysis of geochemical samples of the Hells Hole Further Planning Area (RARE II), Greenlee County, Arizona, and Grant County, New Mexico: U.S. Geological Survey Open-File Report 81-661, 136 p.
- Lindgren, W. E., 1905, Description of the Clifton quadrangle, Arizona: U.S. Geological Survey Geologic Atlas, Folio 129, scale 1:62,500.

### **Hells Hole Roadless Area, Arizona and New Mexico--continued**

- Martin, R. A., 1981, Geophysical surveys of the Hells Hole Further Planning Area (RARE II), Greenlee County, Arizona, and Grant County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1344-B, scale 1:62,500.
- Ratté, J. C., Hassemer, J. R., and Martin, R. A., 1982, Mineral resource potential map of the Hells Hole Further Planning Area (RARE II), Greenlee County, Arizona and Grant County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1344E, scale 1:62,500.
- Ratté, J. C., and Hedlund, D. C., 1982, Geologic map of the Hells Hole Further Planning Area (RARE II), Greenlee County, Arizona, and Grant County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1344-A, Scale 1:62,500.
- Sillitoe, R. H., Halls, C., and Grant, J. N., 1975, Porphyry tin deposits in Bolivia: Economic Geology, v. 70, no. 5, p. 813-827.

### **Kanab Creek Roadless Area**

- Billingsley, G. H., Antweiler, J. C., and Ellis, C. E., in press, Mineral resource potential map of the Kanab Creek Roadless Area, Coconino and Mohave Counties, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1627-A.
- Sorauf, J. F., 1963, Structural geology and stratigraphy of the Whitmore area, Mohave County, Arizona: Dissertation Abstracts, v. 24, no. 2.
- Tainter, S. L., 1947, Apex copper property, Coconino County, Arizona: U.S. Bureau of Mines Report of Investigations, RI-4013, 23 p.

### **Lower San Francisco Wilderness study area and contiguous roadless areas, Arizona and New Mexico**

- Hatton, K. S., 1981, Geothermal energy, in New Mexico's energy resources '80, annual report of Bureau of Geology in the mining and minerals division of New Mexico Energy and Minerals Department: New Mexico State Bureau of Mines and Mineral Resources Circular 181, p. 50-59.
- Muffler, L. P., editor, 1979, Assessment of geothermal resources of the United States--1978: U.S. Geological Survey Circular 790, 163 p.
- Ratté, J. C., Hassemer, J. R., Martin, R. A., and Lane, Michael E., Mineral resource potential of the Lower San Francisco Wilderness study area and contiguous roadless area, Arizona and New Mexico: U.S. Geological Survey, Miscellaneous Field Studies Map MF-1463-C, scale 1:62,500.
- Witcher, J.C., 1979, A geothermal reconnaissance study of the San Francisco River between Clifton, Arizona and Pleasanton, New Mexico, in Hahman, W. R., Geothermal studies in Arizona with two area assessments: U.S. Department of Energy report DOE/ID/12009-TI; available only from U.S. Department of Commerce National Technical Information Service, Springfield, Virginia 22161.

### **Mazatzal Wilderness and contiguous roadless areas**

- Beckman, R. T., and Kerns, W. H., 1965, Mercury in Arizona, in Mercury potential of the United States: U.S. Bureau of Mines Information Circular 8252, p. 60-74.

### **Mazatzal Wilderness and contiguous roadless areas--continued**

Wrucke, C. T., Marsh, S. P., Conway, C. M., Ellis, C. E., Kulik, D. M., and Moss, C. K., 1983, Mineral resource potential map of the Mazatzal Wilderness and contiguous roadless areas, Gila, Maricopa, and Yavapai Counties, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1573-A, scale 1:48,000.

### **Mount Baldy Wilderness**

Finnell, T. L., Bowles, C. G., and Soulé, J. H., 1967, Mineral resources of the Mount Baldy Primitive area, Arizona: U.S. Geological Survey Bulletin 1230-H, p. H1-H14.

### **North End Roadless Area**

Drewes, Harald, 1980, Tectonic map of southeastern Arizona: U.S. Geological Survey Geologic Investigations Series I-1109, scale 1:125,000.

\_\_\_\_\_, 1981, Geologic map of the Bowie Mountains South quadrangle, Cochise County, Arizona: U.S. Geological Survey Miscellaneous Investigations Series I-1363, scale 1:24,000.

\_\_\_\_\_, 1982, Geologic map and sections of the Cochise Head quadrangle and adjacent areas, southeastern Arizona: U.S. Geological Survey Miscellaneous Geologic Investigations Series I-1312, scale 1:24,000.

\_\_\_\_\_, 1983, Geologic map of the North End Roadless Area, Cochise County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1412-A, scale 1:48,000.

Drewes, Harald, Forn, C. L., Moss, K. C., Watts, K. C., Jr., and Bigsby, P. R., 1983, Mineral resource potential of the North End Roadless Area, Cochise County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1412-D, scale 1:48,000.

Moss, C. K., 1983, Geophysical maps of the North End Roadless Area, Cochise County, Arizona: U.S. Geological Survey Mineral Investigations Field Studies Map MF-1412-C, scale 1:48,000.

Sabins, F. F., Jr., 1957, Geology of the Cochise Head and western part of the Vanar quadrangles: Geological Society of America Bulletin, v. 68, no. 10, p. 1315-1342.

Watt, K. C., Jr., Drewes, Harald, and Forn, C. L., 1983, Geochemical maps of the North End Roadless Area, Cochise County, Arizona: U.S. Geological Survey Mineral Investigations Field Studies Map MF-1412-B, scale 1:48,000.

### **Pine Mountain Wilderness**

Canney, F. C., Lehmbeck, W. L., and Williams, Frank E., 1967, Mineral resources of the Pine Mountain Primitive Area, Arizona: U.S. Geological Survey Bulletin 1230-J, 45 p.

### **Pusch Ridge Wilderness**

Banks, N. G., 1980, Geology of a zone of metamorphic core complexes in southeastern Arizona, in Crittenden, M. D., Jr., Coney, P. J., and Davis, G. H., Cordilleran metamorphic core complexes: Geological Society of America Memoir 153, p. 177-215.

### **Pusch Ridge Wilderness--continued**

- Hinkle, M. E., Kilburn, J. E., Eppinger, R. G., III, and Speckman, W. S., 1981a, Geochemical analysis of samples of stream sediments, panned heavy-mineral concentrates, rocks, and waters of the Pusch Ridge Wilderness Area, Arizona: U.S. Geological Survey Open-File Report 81-435, 44 p.
- Hinkle, M. E., Kilburn, J. E., Eppinger, R. G., III, and Speckman, W. S., 1981b, Statistical analyses of data on stream sediments, panned heavy-mineral concentrates, rocks and waters of the Pusch Ridge Wilderness Area, Arizona: U.S. Geological Survey Open-File Report 81-436, 183 p.
- Hinkle, M. E., Kilburn, J. E., Eppinger, R. G., III, and Tripp, R. B., 1981, Geochemical maps of the Pusch Ridge Wilderness Area, Pima County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1356-A, scale: 1:50,000.
- Hinkle, M. E., and Ryan G. S., 1982, Mineral resource potential map of the Pusch Ridge Wilderness, Pima County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1356-B, scale: 1:50,000.
- Keith, S. B., Reynolds, S. J., Damon, P. E., Shafiullah, Muhammad, Livingston, D. E., and Pushkar, P. D., 1980, Evidence for multiple intrusion and deformation within the Santa Catalina-Rincon-Tortolita crystalline complex, southeastern Arizona, in Crittenden, M. D., Jr., Coney, P. J., and Davis, G. H., Cordilleran metamorphic core complexes: Geological Society of America Memoir 153, p. 217-267.
- Ryan, G. W., 1982, Claim and sample location map of the Pusch Ridge Wilderness, Pima County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1356-C, scale: 1:50,000.

### **Rattlesnake Roadless Area**

- Damon, P. E., Shafiullah, M., and Leventhal, J. S., 1974, K/Ar chronology for the San Francisco volcanic field and rate of evasion of the Little Colorado River, in Karlstrom, T.N.V., Swann, G. A., and Eastwood, R. L., eds., Geology of Northern Arizona with notes on archaeology and paleoclimate: Geological Society of America Guidebook for Rocky Mountain Section Meeting, Flagstaff, Arizona, pt. 1, p. 221-235.
- Gerstel, W. J., Day, G. W., and McDaniel, S. K., 1983, Analytical results for 178 stream-sediment, 98 heavy-mineral-concentrate, 27 rock, and 11 water samples from the Rattlesnake and Wet Beaver Roadless Areas, Coconino and Yavapai Counties, Arizona: U.S. Geological Survey Open File Report 83-339, 156 p.
- Karlstrom, T.N.V., Billingsley, G. H., and McColly, Robert, 1983, Map showing geology and mineral resource potential of the Rattlesnake Roadless Area, Yavapai and Coconino Counties, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1567-A, scale 1:24,000.
- Martin, R. A., 1983, Aeromagnetic interpretation of the Rattlesnake Roadless Area, Yavapai and Coconino Counties, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1567-B.
- Nations, J. D., Hevly, H. H., Blinn, D. W., and Landye, J. J., 1981, Paleontology, paleoecology, and depositional history of the Miocene-Pliocene Verde Formation, Yavapai County, Arizona: Arizona Geological Society Digest 13, p. 133-149.

### **Rattlesnake Roadless Area--continued**

Peirce, H. W., Damon, P. E., and Shafiqallah, M., 1979, An Oligocene(?) Colorado Plateau edge in Arizona: *Tectonophysics*, v. 61, p. 1-24.

### **Rincon Wilderness Study Area**

Thorman, C. H., Drewes, Harald, and Lane, M. E., 1978, Mineral resources of the Rincon Wilderness Study Area, Pima County, Arizona: U.S. Geological Survey Bulletin 1500, 62 p.

### **Sierra Ancha Wilderness**

Bergquist, J. R., Shride, A. F., and Wrucke, C. T., 1981, Geologic map of the Sierra Ancha Wilderness and Salome Study Area, Gila County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1162-A, scale 1:48,000.

Otton, J. K., Light, T. D., Shride, A. F., Bergquist, J. R., Wrucke, C. T., Theobald, P. K., Duval, J. S., and Wilson, D. M., 1981, Map showing mineral resource potential of the Sierra Ancha Wilderness and Salome Study area, Gila County, Arizona: U.S. Geological Survey Miscellaneous Field Study Map MF-1162-H, scale 1:48,000.

Tripp, R. B., Barton, H. N., Negri, J. C., and Theobald, P. K., 1980, Mineralogical map showing the distribution of minerals in the heavy-mineral concentrate of stream sediments in the Sierra Ancha Wilderness and Salome Study Area, Gila County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1162-E, scale 1:62,500.

### **Strawberry Crater Roadless Areas**

Damon, P. E., Shafiqullah, M., and Leventhal, J. S., 1974, K-Ar chronology for the San Francisco volcanic field and rate of erosion of the Little Colorado River, in Karlstrom, T. N. V., Swann, G. A., and Eastwood, R. L., eds., *Regional Studies, Geology of Northern Arizona: Geological Society of America, Rocky Mountain Section, Guidebook 27*, pt. 1, p. 221-235.

Moore, R. B., and Wolfe, E. W., 1976, Geologic map of the eastern San Francisco volcanic field, Arizona: U.S. Geological Survey Miscellaneous Investigations Series I-953, scale 1:50,000.

Sauck, W. A. and Sumner, J. S., 1970, Residual aeromagnetic map of Arizona: University of Arizona, Department of Geosciences, scale 1:1,000,000.

Smiley, T. L., 1958, The geology and dating of Sunset Crater, Flagstaff, Arizona, in New Mexico Geological Society, 9th Field Conference, Guidebook of the Black Mesa Basin: p. 186-190.

Stauber, D. A., 1982, Two-dimensional compressional wave velocity structure under San Francisco volcanic field, Arizona, from teleseismic P residual measurements: *Journal of Geophysical Research*, v. 87, p. 5451-5459.

Ware, R. H., and O'Donnell, J. E., 1980, A magnetotelluric survey of the San Francisco volcanic field, Arizona: U.S. Geological Survey Open-File Report 80-1163, 44 p.

Wolfe, E. W., and Hahn, D. A., 1982, Geology and geochemical analyses of the Strawberry Crater Roadless Areas, Coconino County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1394-A, scale 1:24,000.

### **Strawberry Crater Roadless Areas--continued**

- Wolfe, E. W., and Hoover, D. B., 1982, Geophysical map of the Strawberry Crater Roadless Areas, Coconino County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1394-B, scale 1:24,000.
- Wolfe, E. W., and Light, T. D., 1982, Mineral resource potential map of the Strawberry Crater Roadless Areas, Coconino County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1394-C, scale 1:24,000.

### **Superstition Wilderness**

- Motooka, J. M., Sanzalone, R. F., and Curtis, C. A., 1978, Analyses of rock and stream sediments of the Superstition Wilderness, Arizona: U.S. Geological Survey Open-File Report 78-483.
- Peterson, D. W., and Jinks, J. E., 1983, Mineral resource potential maps of the Superstition Wilderness and contiguous roadless areas, Maricopa, Pinal, and Gila Counties, Arizona: U.S. Geological Survey Open-File Report 83-472, scale 1:24,000.
- Peterson, N. P., 1962, Geology and ore deposits of the Globe-Miami district, Arizona: U.S. Geological Survey Professional Paper 342, 151 p.
- Wynn, J. C., and Manydeeds, S. A., 1978, Principal facts for gravity stations in and adjacent to the Superstition Mountains, Gila, Pinal, and Maricopa Counties, Arizona: U.S. Geological Survey Open-File Report 78-566, 10 p.

### **Sycamore Canyon Primitive Area**

- Huff, L. C., Santos, Elmer, and Raabe, R. G., 1966, Mineral resources of the Sycamore Canyon Primitive Area, Arizona: U.S. Geological Survey Bulletin 1230-F, 19 p.

### **West Clear Creek Roadless Area**

- Jones, E. L. and Ransome, F. L., 1920, Deposits of manganese ore in Arizona: U. S. Geological Survey, Bulletin 710-D, p. 125-128.
- Pierce, H. W., Damon, P. E., and Shafiqullah, M., 1979, An Oligocene(?) Colorado Plateau edge in Arizona: Tectonophysics, v. 61, p. 1-24.
- Ulrich, G. E., and Bielski, A. M., 1983, Mineral resource potential map of West Clear Creek Roadless Area, Yavapai and Coconino Counties, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1555-A, scale 1:24,000 (in press).

### **Wet Beaver Roadless Area**

- Twenter, F. R., and Metzger, D. G., 1963, Geology and ground water in Verde Valley-Mogollon Rim Region, Arizona: U.S. Geological Survey Bulletin 1177, 132 p.
- Ulrich, G. E., Bielski, A. M., and Bywaters, J. S., 1983, Mineral resource potential map of the Wet Beaver Creek Roadless Area, Coconino and Yavapai Counties, Arizona: U.S. Geological Survey Miscellaneous Field Studies Report MF-1558-A, scale 1:24,000.

### **Whetstone Roadless Area**

- Creasey, S.C., 1967, Geologic map of the Benson quadrangle, Cochise and Pima Counties, Arizona: U.S. Geological Survey Miscellaneous Investigations Map I-470, scale 1:48,000.
- DeRuyter, V.D., 1979, Geology of the Granitic Peak stock area, Whetstone Mountains, Cochise County, Arizona: Tucson, University of Arizona, M.S. thesis, 121 p.
- Hayes, P. T., and Raup, R. B., 1968, Geologic map of the Huachuca and Mustang Mountains, southeastern Arizona: U.S. Geological Survey Miscellaneous Investigations Map I-509, scale 1:48,000.
- McColly, R. A., and Scott, D. C., 1982, Mineral investigations of the Whetstone Roadless Area, Cochise and Pima Counties, Arizona: U.S. Bureau of Mines Open-File Report MLA 129-82, 22 p.
- Wrucke, C. T., McColly, R. A., Scott, D. C., Werschky, R. S., Bankey, Viki, Kleinkopf, D. M., Staatz, M. H., and Armstrong, A. K., in press, Mineral resource potential map of the Whetstone Roadless Area, Cochise and Pima Counties, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1614-A.

### **Winchester Roadless Area**

- Cooper, J. R., and Silver, L. T., 1964, Geology and ore deposits of the Dragoon quadrangle, Cochise County, Arizona: U.S. Geological Survey Professional Paper 416, 196 p.
- Creasey, S. C., Jackson, E. D., and Gulbrandsen, R. A., 1961, Reconnaissance geologic map of parts of the San Pedro and Aravaipa Valleys, south-central Arizona: U.S. Geological Survey Mineral Investigations Field Studies Map MF-238, scale 1:125,000.
- Creasey, S. C., Jinks, J. E., Williams, F. E., and Meeves, H. C., 1981, Mineral resources of the Galiuro Wilderness and contiguous further planning areas, Arizona, with a section on Aeromagnetic survey and interpretation, by W. E. Davis: U.S. Geological Survey Bulletin 1490, 94 p.
- Creasey, S. C., and Krieger, M. H., 1978, Galiuro Volcanics, Pinal, Graham, and Cochise Counties, Arizona: U.S. Geological Survey Journal of Research, v. 6, no. 1, p. 115-131.
- Keith, S. B., 1973, Index of mining properties in Cochise County, Arizona: Arizona Bureau of Mines Bulletin 187, 98 p.
- Keith, W. J., Martin, R. A., and Kreidler, T. J., 1982, Mineral resource potential of the Winchester Roadless Area, Cochise County, Arizona: U.S. Geological Survey Open-File Report 82-1028, 7 p.

## ARKANSAS

### **Bell Star East and West Roadless Areas**

- Haley, B. R., 1966, Geology of the Barber quadrangle, Sebastian County and vicinity, Arkansas: Arkansas Geological Commission I. C. 20-C, 76 p.
- Haley, B. R., and Hendricks, T. A., 1968, Geology of the Greenwood quadrangle, Arkansas-Oklahoma: U.S. Geological Survey Professional Paper 536-A, 15 p.
- Haley, B. R., Earhart, R. L., and Stroud, R. B., 1980, Mineral resources of the Belle Starr Caves Wilderness Study Area, Sebastian and Scott Counties, Arkansas: U.S. Geological Survey Open-File Report 80-356, 19 p.
- Harris, L. E., 1981, Mineral resources of Belle Starr East RARE II Further Planning Area and Belle Starr West RARE II Further Planning Area, Scott and Sebastian Counties, Arkansas: U.S. Bureau of Mines MLA 27-81, 25 p.
- Miller, M. H., Smith, M. C., and Harris, L. E., 1983, Mineral resource potential and geologic map of the Bell Star East and West Roadless Areas, Sebastian and Scott Counties, Arkansas: U.S. Geological Survey Miscellaneous Field Studies Map MF-1579.
- Reinemund, J. A., and Danilchik, Walter, 1957, Preliminary geologic map of the Waldron quadrangle and adjacent areas, Scott County, Arkansas: U.S. Geological Survey Oil and Gas Investigations Map OM-192, scale: 1:48,000.

### **Belle Starr Cave Wilderness Study Area**

- Haley, B. R., Earhart, R. L., and Stroud, R. B., 1980, Mineral Resources of the Belle Starr Caves Wilderness Study Area, Sebastian and Scott Counties, Arkansas: U.S. Geological Survey Open-file Report 80-356, 18 p.

### **Black Fork Mountain Roadless Area, Arkansas and Oklahoma**

- Ham, W. E., 1956, Asphaltite in the Ouachita Mountains: Oklahoma Geological Survey Mineral Report 30, 12 p.
- Miller, M. H., and Smith, M. C., 1983, Mineral resource potential map of Black Fork Mountain, Polk County, Arkansas, and LeFlore County, Oklahoma: U.S. Geological Survey Map MF-1599-A, scale 1:50,000.
- Seely, D. R., 1963, Structure and stratigraphy of the Rich Mountain area, Oklahoma and Arkansas: Oklahoma Geological Survey Bulletin 101, 173 p.

### **Caney Creek Wilderness**

- Ericksen, G. E., Patterson, S. H., Dunn, M. L., and Harrison, D. K., in press, Mineral resources of the Caney Creek Wilderness, Polk County, Arkansas: U.S. Geological Survey Bulletin 1551.

### **Dry Creek Wilderness Study Area**

- Haley, B. R., Earhart, R. L., and Stroud, R. B., 1980, Mineral resources of the Dry Creek Wilderness Study Area, Logan, Yell, and Scott Counties, Arkansas: U.S. Geological Survey Open-File Report 80-355, 13 p.

### **Little Blakely Roadless Area**

- Caplan, W. M., 1963, Oil and gas possibilities in the Ouachita Mountain Region of Arkansas: Fort Smith Geological Society Second Regional Field Conference Guide Book, p. 31-37.

#### **Little Blakely Roadless Area--continued**

- Engel, A.E.J., 1951, Quartz crystal deposits of western Arkansas: U.S. Geological Survey Bulletin 973-E, p. 173-260.
- Foster, M.D., and Schaller, W. T., 1966, Cause of colors in wavellite from Dug Hill, Arkansas: The American Mineralogist, v. 51, p. 422-428.
- Goldstein, A., Jr., 1975, Geologic interpretation of Viersen and Cochran's 25-1 Weyerhaeuser Well, McCurtain County, Oklahoma: Oklahoma Geological Survey Geology Notes, v. 35, no. 57, p. 169-181.
- Haley, B. R., Stone, C. G., and McFarland, J. D., III, 1979, A guidebook to the Second Geological Excursion on Lake Ouachita: Arkansas Geological Commission Guidebook, 23 p., 1 map.
- Hendricks, J. D., Keller, G. R., and Hildenbrand, T. G., 1981, Bouguer gravity map of Arkansas: U.S. Geological Survey Geophysical Investigations Map GP-944, scale 1:500,000.
- Miller, M. H., Keefer, E. K., and Wood, R. H., II, 1983, Map showing geology and mineral resource potential of the Little Blakely Roadless Area, Garland County, Arkansas: U.S. Geological Survey Miscellaneous Field Studies Map MF-1562, scale 1:24,000.

#### **Richland Creek Roadless Area**

- Glick, E. E., and Frezon, S. E., 1965, Geologic map of the Snowball quadrangle, Newton and Searcy Counties, Arkansas: U.S. Geological Survey Geologic Quadrangle Map GQ-425, scale 1:62,500.
- Haley, B. R., Stroud, R. B., and Earhart, R. L., 1980, Mineral resources of the Richland Creek Wilderness study area, Newton and Searcy Counties, Arkansas: U.S. Geological Survey Open-File Report 80-354, 29 p.
- McKnight, E. T., 1935, Zinc and lead deposits of northern Arkansas: U.S. Geological Survey Bulletin 853, 311 p.
- Miller, M. H., and Wood, R. H., II, 1983, Geology and mineral resource potential map of the Richland Creek Roadless Area, Newton and Searcy Counties, Arkansas: U.S. Geological Survey Miscellaneous Field Studies Map MF-1525, scale 1:24,000.

#### **Richland Creek Wilderness Study Area**

- Haley, B. R., Earhart, R. L., and Stroud, R. L., 1980, Mineral resources of the Richland Creek Wilderness Study Area, Newton and Searcy Counties, Arkansas, 1980: U.S. Geological Survey Open-file Report 80-354, 29 p.

#### **Upper Buffalo Wilderness and Buffalo Addition Roadless Area**

- Kirk, J. N., and Walters, R. L., 1968, Preliminary report on radar lineaments in the Boston Mountains of Arkansas: Compass, v. 45, no. 2, p. 122-127.
- Konig, R. H., 1974, Relationship of geomorphic anomalies on ERTS imagery to the distribution of mineralization in northern Arkansas [abs.]: Geological Society of America, Abstracts with Programs, p. 110.
- McKnight, E. T., 1935, Zinc and lead deposits of northern Arkansas: U.S. Geological Survey Bulletin 853, 311 p.
- Miller, M. H., Smith, M. C., Armstrong, M. K., and Dunn, M. L., Jr., 1983, Geological and mineral resource potential map of Upper Buffalo and Buffalo Addition Roadless Area, Newton County, Arkansas: U.S. Geological Survey Map MF-1578, scale 1:24,000.

**Upper Buffalo Wilderness and Buffalo Addition Roadless Area--continued**

- Morrison, J. D., 1971, Bedrock geology of the Ponca quadrangle, Newton County, Arkansas: University of Arkansas, unpublished M.A. thesis, 198 p.
- Smith, D. A., 1971, Lead-zinc mineralization in the Ponca-Boxley area: University of Arkansas, unpublished M.A. thesis, 169 p.
- Stroud, R. B., Arndt, R. H., Fulkerson, F. B., and Diamond, W. G., 1969, Mineral resources and industries of Arkansas: U.S. Bureau of Mines Bulletin 645, 418 p.
- Zachry, D. L., and Haley, B. R., 1975, Stratigraphic relationships between the Bloyd and Atoka Formations (Pennsylvanian) of northern Arkansas, in Headrick, K. N., and Wise, O. A., eds., Contributions to geology of the Arkansas Ozarks: Arkansas Geological Commission, p. 96-106.

## CALIFORNIA

### **Agua Tibia Primitive Area**

- Irwin, W. P., Greene, R. C., and Thurber, H. K., 1970, Mineral resources of the Agua Tibia Primitive Area, California: U.S. Geological Survey Bulletin 1319-A, 19 p.
- Jahns, R. H., and Wright, L. A., 1951, Gem- and lithium-bearing pegmatites of the Pala district, San Diego County, California: California Division of Mines and Geology Special Report 7-A, 72 p.
- Weber, F. H., Jr., 1963, Geology and mineral resources of San Diego County, California: California Division of Mines and Geology County Report 3, 309 p.

### **Andrews Mountain, Mazourka, and Paiute Roadless Areas**

- Bateman, P. C., Clark, L. C., Huber, N. K., Moore, J. C., and Rinehart, C. D., 1963, The Sierra Nevada batholith--a synthesis of recent work across the central part: U.S. Geological Survey Professional Paper 414-D, p. D1-D46.
- Langenheim, V. A. M., Donahoe, J. L., and McKee, E. H., 1983, Geologic map of the Andrews Mountain, Mazourka, and Paiute Roadless Areas, Inyo County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1492-A, scale 1:62,500.
- McKee, E. H., Donahoe, J. L., Blakely, R. J., Schmauch, S. W., Lipton, D. A., and Gabby, P. N., 1983, Mineral resource potential map of the Andrews Mountain, Mazourka, and Paiute Roadless Area, Inyo County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1492-B, scale 1:62,500.
- McKee, E. H., and Nash, D. B., 1967, Potassium-argon ages of granitic rocks in the Inyo batholith, east-central California: Geological Society of America Bulletin, v. 78, no. 5, p. 669-680.
- Nelson, C. A., 1966, Geologic map of the Waucoba Mountain quadrangle, Inyo County, California: U.S. Geological Survey Geologic Quadrangle Map GQ-528, scale 1:62,500.
- \_\_\_\_\_, 1971, Geologic map of the Waucoba Spring quadrangle, Inyo County, California: U.S. Geological Survey Geological Quadrangle Map GQ-921, scale 1:62,500.
- Ross, D. C., 1965, Geology of the Independence quadrangle, Inyo County, California: U.S. Geological Survey Bulletin 1181-0, 64 p.
- \_\_\_\_\_, 1967, Geologic map of the Waucoba Wash quadrangle, Inyo County, California: U.S. Geological Survey Geologic Quadrangle Map GQ-612, scale 1:62,500.
- \_\_\_\_\_, 1969, Descriptive petrography of three large granitic bodies in the Inyo Mountains, California: U.S. Geological Survey Professional Paper 601, 47 p.

### **Arroyo Seco Roadless Area**

- Gabby, P. N., 1982, Mineral resources of the Arroyo Seco RARE II Area (No. 5012), Los Angeles County, California: U.S. Bureau of Mines Open-File Report MLA 104-82, 19 p.

### **Arroyo Seco Roadless Area--continued**

- Gay, T. E., Jr., and Hoffman, S. R., 1954, Mines and Mineral Deposits of Los Angeles County, California: California Journal of Mines and Geology, v. 50, p. 467-709.
- Miller, W. J., 1926, Crystalline rocks of the middle-southern San Gabriel Mountains, California [abs.]: Geological Society of America Bulletin, v. 37, p. 149.
- \_\_\_\_\_, 1930, Rocks of the southwestern San Gabriel Mountains, California [abs.]: Geological Society of America Bulletin, v. 41, p. 149-150.
- \_\_\_\_\_, 1934, Geology of the western San Gabriel Mountains of California: Publications of the University of California at Los Angeles in Mathematical and Physical Sciences, v. 1, n. 1, p. 1-114.
- Powell, R. E., Cox, B. F., Matti, J. C., and Gabby, P. N., 1983, Mineral resource potential map of the Arroyo Seco Roadless Area, Los Angeles County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1607-A.

### **Bald Rock and Middle Fork Feather River Roadless Areas**

- Haley, C. S., 1923, Gold placers of California: California State Mining Bureau, Bulletin 92, 167 p.
- Hietanen, Anna, 1973, Geology of the Pulga and Bucks Lake quadrangles, Butte and Plumas Counties, California: U.S. Geological Survey Professional Paper 731, 66 p.
- \_\_\_\_\_, 1976, Metamorphism and plutonism around the Middle and South Forks of the Feather River, California: U.S. Geological Survey Professional Paper 920, 30 p.
- \_\_\_\_\_, 1981a, Geology west of the Melones fault between the Feather and North Yuba Rivers, California: U.S. Geological Survey Professional Paper 1226-A, 35 p.
- \_\_\_\_\_, 1981b, The Feather River area as a part of the Sierra Nevada suture system in California: U.S. Geological Survey Professional Paper 1226-B, 13 p.
- Oliver, H. W., Robbins, S. L., Rambo, W. L., and Sikora, R. F., 1982, Bouguer gravity map of California, Chico sheet: California Division of Mines and Geology, scale 1:250,000.
- Rynearson, G. A., 1953, Geological investigations of chromite in California: California Division of Mines, Bulletin 134, 321 p.
- Sorensen, M. L., Griscom, Andrew, and Buehler, A. R., in press, Mineral resource potential map of the Bald Rock and Middle Fork Feather River Roadless Areas, Butte and Plumas Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1427-B.
- Sorensen, M. L., and Pietropaoli, Henry, 1982, Geologic map of the Bald Rock and Middle Fork Feather River Roadless Areas, Butte and Plumas Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1427-A, scale 1:62,500.
- Sorensen, M. L., Pietropaoli, Henry, and Peterson, J. A., 1982, Geochemical analyses of rock and stream-sediment samples from Bald Rock, Bucks Lake, Chips Creek, and Middle Fork Feather River Roadless Areas, Butte and Plumas Counties, California: U.S. Geological Survey Open-File Report 82-776, 52 p.

### **Benton Range Roadless Area**

- Donahoe, J. L., Chaffee, M. A., Fey, D. L., Hill, R. H., and Sutley, S. J., 1982, Geochemical anomaly map of the Benton Range Further Planning (RARE II) area, Mono County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1317-B, scale 1:62,500.
- Donahoe, J. L., McKee E. H., Rains, R. L., Barnes, D. J., Campbell, H. W., Denton, D. K., Jr., Iverson, S. R., Jeske, R. E., and Stebbins, S. A., 1982, Mineral resource potential map of the Benton Range Roadless Area, Mono County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1317-C, scale 1:62,500.
- McKee, E. H., and Donahoe, J. L., 1981, Geologic map of the Benton Range Further Planning (RARE II) Area, Mono County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1317-A, scale 1:62,500.

### **Black Butte and Elk Creek Roadless Areas**

- Eric, J. H., 1948, Tabulation of copper deposits in California, in Jenkins, O. P., ed., Copper in California: California Division of Mines Bulletin 144, p. 199-387.
- Etter, S. D., 1979, Geology of the Lake Pillsbury area, northern Coast Ranges, California: University of Texas at Austin, Ph.D thesis, 314 p.
- Jordan, M. A., 1974, Geology of the Round Valley, Sanhedrin Mountain area, northern California Coast Ranges: University of Texas at Austin, Ph.D thesis, 174 p.
- Lachenbruch, A. H., and Sass, J. H., 1980, Heat flow and energetics of the San Andreas Fault Zone: Journal of Geophysical Research, v. 85, no. B11, p. 6185-6222.
- Ohlin, H. N., McLaughlin, R. J., Oscarson, R. L., Peterson, D. M., Weed, R.B., and Spear, J. M., 1983, Mineral resource potential map of the Black Butte and Elk Creek Roadless Areas, Mendocino, Lake, and Glen Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1544-A.
- Trask, P. D., Wilson, I. F., and Simons, F. S., 1943, Manganese Deposits of California--A summary report (including tabulated data on manganese properties of California), in Jenkins, O. P., ed., Manganese in California: California Division of Mines and Geology Bulletin 125, p. 125.

### **Blanco Mountain and Black Canyon Roadless Areas**

- Diggles, M. F., 1983, Maps and interpretation of geochemical anomalies in the White Mountains, Blanco Mountain, Birch Creek, and Black Canyon Roadless Areas, California and Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1361-B, scale 1:62,500.
- Diggles, M. F., Dellinger, D. A., Sutley, S. J., Fey, D. L., and Hill, R. H., 1982, Chemical data for samples of rock, stream-sediment, and dense-mineral concentrate in the White Mountains, Blanco Mountain, Birch Creek, and Black Canyon Roadless Areas, White Mountains, California and Nevada: U.S. Geological Survey Open-File Report 82-984, 188 p., scale 1:62,500.

### **Blanco Mountain and Black Canyon Roadless Areas--continued**

- Diggles, M. F., Blakely, R. J., Rains, R. L., Schmauch, S. W., Horn, M. C., Lipton, D. A., Gabby, P. N., Barnes, D. J., and Neumann, T. R., 1983, Mineral resource potential of the Blanco Mountain (5039) and Black Canyon (5061) Roadless Areas, Inyo National Forest, White Mountains, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1361-C, scale 1:62,500.
- McKee, E. H., Diggles, M. F., Donahoe, J. L., and Elliott, G. S., 1982, Geologic map of the White Mountains Wilderness and Roadless Areas, California and Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1361-A, scale 1:62,500.
- Schmauch, S. W., Lipton, D. A., Gabby, P. N., Barnes, D. L., and Horn, M. C., Mineral investigations of the Blanco Mountain RARE II Area (No. 5059), Inyo and Mono Counties, California: U.S. Bureau of Mines Open-File Report MLA 146-82, 12 p.

### **Bucks Lake and Chips Creek Roadless Areas**

- Averill, C. V., 1928, District reports of mining engineers, Redding field division, Plumas County, in Report 24 of the State Mineralogists: California Division of Mines and Geology, p. 261-316.
- Haley, C. S., 1923, Gold placers of California: California State Mining Bureau Bulletin 92, 167 p.
- Hietanen, Anna, 1973, Geology of the Pulga and Bucks Lake quadrangles, Butte and Plumas Counties, California: U.S. Geological Survey Professional Paper 731, 66 p.
- \_\_\_\_\_, 1981a, Geology west of the Melones fault between the Feather and North Yuba Rivers, California: U.S. Geological Survey Professional Paper 1226-A, 35 p.
- \_\_\_\_\_, 1981b, The Feather River area as a part of the Sierra Nevada suture system in California: U.S. Geological Survey Professional Paper 1226-B, 13 p.
- Lindgren, Waldemar, 1911, The Tertiary gravels of the Sierra Nevada of California: U.S. Geological Survey Professional Paper 73, 226 p.
- Sorensen, M. L., Griscom, Andrew, Linne, J. M., Stebbins, S. A., and Graham, D. E., 1983, Mineral resource potential map of the Chips Creek and Bucks Lake Creek Roadless Areas, Butte and Plumas Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1419-B, scale 1:62,500.
- Sorensen, M. L., and Pietropaoli, Henry, 1982, Geologic map of the Chips Creek and Bucks Lake Roadless Areas, Butte and Plumas Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1419-A, scale 1:62,500.
- Sorensen, M. L., Pietropaoli, Henry, and Peterson, J. A., 1982, Geochemical analyses of rock and stream sediment samples of Bald Rock, Bucks Lake, Chips Creek, and Middle Fork Feather River Roadless Areas, Butte and Plumas Counties, California: U.S. Geological Survey Open-File Report 82-776, 52 p., 2 maps, scale 1:62,500.

### **Buttermilk Roadless Area**

McKee, E. H., and Iverson, S. R., 1982, Mineral resources of the Buttermilk Roadless Area, Inyo County, California: U.S. Geological Survey Open-File Report 82-380, 10 p.

### **Cactus Springs Roadless Area**

Matti, J. C., Cox, B. F., Powell, R. E., and Kuizon, Lucia, in press, Mineral resource potential map of the Cactus Spring Roadless Area, Riverside County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1650-A, scale 1:24,000.

Sharp, Robert V., 1979, Some characteristics of the eastern Peninsular Ranges mylonite zone, in Speed, Robert, and Sharp, Robert, Analysis of actual fault zones in bedrock: U.S. Geological Survey Open-file Report 79-1239, p. 258-267.

U.S. Geological Survey, 1982, Aeromagnetic map of the Cactus Spring Further Planning Area, California: U.S. Geological Survey Open-file Report 82-945.

### **Caribou Wilderness and Trail Lake Roadless Area**

Kane, Phillip, 1982, Pleistocene glaciation in Lassen Volcanic National Park: California Geology, v. 35, no. 5, p. 95-105.

Lydon, P. A., 1957, Sulfur and sulfuric acid, in Wright, L. A., editor, Mineral commodities of California: California Division Mines Bulletin 176, p. 613-622.

Macdonald, G. A., 1964, Geology of the Prospect Peak quadrangle, California: U.S. Geological Survey Geologic Quadrangle Map GQ-345, scale 1:62,500.

\_\_\_\_\_, 1966, Geologic map of the Harvey Mountain quadrangle, Lassen County, California: U.S. Geological Survey Geologic Quadrangle Map GQ-443, scale 1:62,500.

Till, A. B., McHugh, E. L., and Rumsey, C. M., 1983, Mineral resource potential of the Caribou Wilderness and Trail Lake Roadless Area, Lassen and Plumas Counties, California: U.S. Geological Survey Open-File Report 83-481.

U.S. Geological Survey, 1978, Lands valuable for geothermal resources, northern California: Office of Area Geologist, Conservation Division, scale 1:500,000.

Waring, G. A., 1968, Thermal springs of the United States and other countries of the world--A summary: U.S. Geological Survey Professional Paper 492, 383 p.

Williams, Howel, 1932, Geology of the Lassen Volcanic National Park, California: University of California, Department of Geological Sciences Bulletin, v. 21, no. 8, p. 195-385.

### **Carson-Iceberg Roadless Areas**

Keith, W. J., Dohrenwend, J. C., Giusso, J. R., and John, D. A., 1982, Geologic map of the Carson-Iceberg and Leavitt Lake Roadless Areas, central Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1416-A, scale 1:62,500.

### **Carson-Iceberg Roadless Areas--continued**

Keith, W. J., Chaffee, M. A., Plouff, D., and Miller, M. S., 1982, Mineral resource potential of the Carson-Iceberg Roadless Areas, central Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1416-B, scale 1:62,500.

### **Chanchelulla Roadless Area**

Huber, D. F. Nelson, S. C., Fraticelli, L. A., and Stebbins, S. A., 1983, Mineral resource potential map of the Chanchelulla Roadless Area, Trinity County, California: U.S. Geological Survey Open-File Report 83-506.

### **Condrey Mountain Roadless Area**

Coleman, R. G., Helper, M. D., and Donato, M. M., 1983, Geologic map of the Condrey Mountain Roadless Area, Siskiyou County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1540-A.

Coleman, R. G., Mayerle, Ron, Jachens, R. C., and Smith, D. B., 1983, Mineral resource potential of the Condrey Mountain Roadless Area, Siskiyou County, California: U.S. Geological Survey Open-File Report 83-497.

Hundhausen, R. J., 1947, Blue Ledge copper-zinc mine, Siskiyou County, California: U. S. Bureau of Mines Report of Investigations 4124, 16 p.

Shenon, P. J., 1933, Copper deposits in the Squaw Creek and Silver Peak districts and at the Almeda Mine, southwestern Oregon with notes on the Pennell and Farmer and Banfield prospects: U.S. Geological Survey Circular 2, 34 p.

### **Coyote Southeast and Table Mountain Roadless Areas**

Bateman, P. C., 1965, Geology and tungsten mineralization of the Bishop district, California: U.S. Geological Survey Professional Paper 470, 208 p.

Elliott, G. S., Chaffee, M. A., and Capstick, D. O., 1983, Mineral resource potential map of the Coyote Southeast and Table Mountain Roadless Areas, Inyo County, California: U.S. Geological Survey, Miscellaneous Field Studies Map MF-1426-B, scale 1:62,500.

Elliott, G. S., and McKee, E. H., 1982, Geologic map of the Coyote Southeast and Table Mountain Roadless Areas, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1426-A, scale 1:62,500.

Elliott, G. S., Diggles, M. F., Chaffee, M. A., Fey, D. L., Sutley, S. J., Hill, R. H., and Van Gaalen, Glen, 1982, Chemical analyses of samples of rock and stream sediment, and nonmagnetic heavy-mineral concentrate, Coyote SE and Table Mountain Roadless Areas, Inyo County, California: U.S. Geological Survey Open-File Report 82-996, 116 p.

### **Cucamonga Roadless Areas**

Evans, J. G., 1982, Geology of the Sheep Mountain Wilderness Study Area and the San Bernardino Counties, California, in Mineral Resources of the Sheep Mountain Wilderness Study Area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, California: U.S. Geological Survey Bulletin 1506 A, p. 5-28.

### **Cucamonga Roadless Areas--continued**

- Morton, D. M., Rodriquez, E. A., Obi, C. M., Simpson, R. W., and Peters, T. J., in press, Mineral resource potential map of the Cucamonga Roadless Area, San Bernardino County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1646-A.
- Peters, T. J., 1983, Mineral investigation of the Cucamonga RARE II Area (nos. B5174 and C5174), San Bernardino County, California: U.S. Bureau of Mines Open-File Report MLA 44-83, 16 p.
- Zilka, N. T., and Schmauch, S. W., 1982, Economic appraisal of mineral resources of the Cucamonga Wilderness and additions, San Bernardino County, California, in Mineral resources of the Sheep Mountain Wilderness Study Area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, California: U.S. Geological Survey Bulletin 1506-E, p. 85-92.

### **Cypress Roadless Area**

- Capstick, D. O., 1983, Mineral investigation of the Cypress RARE II area (No. A5213), Kern County, California: U.S. Bureau of Mines Open-File Report MLA 64-83.
- Chaffee, M. A., Fey, D. L., Hill, R. H., and Sutley, S. J., 1983, Geochemical maps showing distributions of anomalous element concentrations and of anomalous drainage basins, Cypress Roadless Area, Kern County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1532-B, scale 1:24,000 (in press).
- Kennedy, G. L., Chaffee, M. A., Seitz, J. F., Harner, J. L., and Capstick, D. O., 1983, Mineral resource potential map of Cypress Roadless Area, southern Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1532-A, scale 1:24,000 (in press).
- MacKevett, L. M., Jr., 1960, Geology and ore deposits of the Kern River uranium area, California, in Contributions to the geology of uranium: U.S. Geological Survey Bulletin 1087-F, p. 169-222.
- Miller, W. J., 1931, Geologic sections across the southern Sierra Nevada of California: California University, Department of Geological Sciences Bulletin, v. 20, no. 9, p. 331-360.
- Miller, W. J., and Webb, R. W., 1940, Descriptive geology of the Kernville quadrangle, California: California Journal of Mines and Geology, v. 36, p. 343-378.
- Troxel, B. W., and Morton, P. K., 1962, Mines and mineral resources of Kern County, California: California Division of Mines and Geology County Report 1, 370 p.

### **Desolation Valley Wilderness**

- Dodge, F. C. W., and Fillo, P. V., 1967, Mineral resources of the Desolation Valley primitive area of the Sierra Nevada, California: U.S. Geological Survey Bulletin 1261-A, 27 p.

### **Devil Canyon-Bear Canyon Primitive Area**

- Crowder, D. F., 1967, Mineral resources of the Devil Canyon-Bear Canyon primitive area, California: U.S. Geological Survey Bulletin 1230-G, 21 p.
- Gay, T. E., Jr., and Hoffman, S. R., 1954, Mines and mineral deposits of Los Angeles County, California: California Division of Mines and Geology, v. 50, nos. 3-4, p. 476-709.

### **Dinkey Lakes Roadless Area**

- Dodge, F. C. W. 1982, Geologic map of the Dinkey Lakes Study Area, Fresno County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1389-A, scale 1:62,500.
- Dodge, F. C. W., Federspiel, F. E., Smith, D. B., Campbell, H. W., Scott, D. F., and Spear, J. M., 1983, Mineral resource potential map of the Dinkey Lakes Roadless Area, Fresno County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1389-B, scale 1:62,500.

### **Domeland Wilderness, Domeland Addition, and Woodpecker Roadless Areas**

- Bergquist, J. R., Jachens, R. C., Miller, W. R., Leszczykowski, A. M., and Spear, J. M., 1983, Mineral resource potential map of the Domeland Wilderness and contiguous roadless areas, Kern and Tulare Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1395-F, scale 1:48,000.
- Bergquist, J. R., and Nitkiewicz, A. M., 1982, Geologic map of the Domeland Wilderness and contiguous roadless areas, Kern and Tulare Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1395-A, scale 1:48,000.
- Jachens, R. C. 1983, Geophysical interpretation of the Domeland Wilderness and contiguous roadless areas, Kern and Tulare Counties, California: U.S. Geological Survey Bulletin 1087-F, p. 169-222.
- Miller, W. R., McHugh, J. B., and Motooka, J. M., 1982a, Distribution of anomalous trace elements in the nonmagnetic fraction of heavy-mineral concentrates and uranium in the less than 0.180 mm fraction of selected stream sediments, Domeland Wilderness and contiguous roadless areas, Kern and Tulare Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map-1395-B, scale 1:48,000.
- \_\_\_\_\_, 1982b, Distribution of anomalous trace elements in the magnetic fraction of heavy-mineral concentrates, Domeland Wilderness and contiguous roadless areas, Kern and Tulare Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1395 C, scale 1:48,000.
- Miller, W. R., and McHugh, J. B., 1982, Distribution of anomalous elements in water, Domeland Wilderness and contiguous roadless areas, kern and Tulare Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1395-D, scale 1:48,000.

### **East part of the Raymond Peak Roadless Area**

- Armin, R. A., John, D. A., and Moore, W. J., 1982, Geologic map of the east part of the Raymond Peak Roadless Area, Alpine County, California, with Quaternary geology by J. C. Dohrenwend: U.S. Geological Survey Miscellaneous Field Studies Map MF-1365-A, scale 1:62,500.

### **East part of the Raymond Peak Roadless Area**

- Clark, W. B., 1977, Mines and mineral resources of Alpine County, California: California Division of Mines and Geology, County Report 8, 48 p.
- John, D. A., Armin, R. A., Plouff, Donald, Chaffee, M. A., Federspiel, F. E., Scott, D. F., and Cather, E. E., 1983, Mineral resource potential of the east part of the Raymond Peak Roadless Area, Alpine County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1365-C, scale 1:62,500.
- Parker, R. B., 1961, Petrology and structural geometry of pre-granitic rocks in the Sierra Nevada, Alpine County, California: Geological Society of America Bulletin, v. 72, p. 1789-1805.
- Plouff, Donald, 1983, Aeromagnetic and gravity maps of the east part of the Raymond Peak Roadless Area, Alpine County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1365-B, scale 1:62,500.

### **East Yuba and West Yuba Roadless Areas**

- Bergquist, J. R., White, W. W., and Scott, D. F., in press, Mineral resource potential map of the East Yuba and West Yuba Roadless Areas, Plumas and Sierra Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1613-A, scale 1:48,000.
- Clark, W. B., 1970, Gold districts of California: California Division of Mines and Geology Bulletin 193, 186 p.
- Page, S. S., and Bergquist, J. R., 1982, Geochemical analyses of panned heavy-mineral concentrates, stream sediments, and rock samples from the East Yuba and West Yuba Roadless Areas, Plumas and Sierra Counties, California: U.S. Geological Survey Open-File Report 82-825, 116 p.
- White, W. W., 1983, Mineral investigation of the East and West Yuba RARE II areas (nos. 5664 and 5172) Sierra and Plumas Counties, California: U.S. Bureau of Mines Open-File Report MLA 71-83.

### **Emigrant Basin and Hoover Wildernesses and adjoining roadless areas**

- Bateman, P. C., and Wahrhaftig, Clyde, 1966, Geology of the Sierra Nevada, in Bailey, E. H., ed., Geology of northern California: California Division of Mines and Geology Bulletin 190, p. 107-172.
- Slemmons, D. B., 1966, Cenozoic volcanism of the central Sierra Nevada, California, in Bailey, E. H., ed., Geology of northern California: California Division of Mines and Geology Bulletin 170, p. 199-208.
- Tooker, E. W., Morris, H. T., and Fillo, P. V., 1970, Mineral resources of the Emigrant Basin primitive area, California: U.S. Geological Survey Bulletin 1261-G, 70 p.
- Tooker, E. W., Brem, G. F., Chaffee, M. A., and Plouff, Donald, 1981, A potential resource target identified in the Hoover Wilderness and adjoining RARE II study areas, California: U.S. Geological Survey Open-File Report 81-788, 7 p.
- Tooker, E. W., and Zilka, N. T., 1983, Mineral resource potential map of the Hoover Wilderness and adjacent roadless areas, central Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1101-D, scale 1:62,500.

**Emigrant Basin and Hoover Wildernesses and adjoining roadless areas--continued**  
Wallace, A. B., 1979, Possible signatures of buried porphyry-copper deposits in Middle to Late Tertiary volcanic rocks of western Nevada: Nevada Bureau of Mines and Geology Report 33, p. 69-76.

**Fisher Gulch Roadless Area**

Huber, D. F., Nelson, S. C., Cather, E. E., and Ritchey, J. L., 1983, Mineral resource potential of the Fisher Gulch Roadless Area, Trinity County, California: U.S. Geological Survey Open-File Report 83-483.

**Freel and Dardanelles Roadless Areas**

John, D. A., Armin, R. A., and Moore, W. J., 1981, Geologic map of the Freel and Dardanelles Further Planning Areas, Alpine and El Dorado Counties, California, with Quaternary geology by J. C. Dohrenwend: U.S. Geological Survey Miscellaneous Field Studies Map MF-1322-A, scale 1:62,500.

John, D. A., Armin, R. A., Plouff, Donald, Chaffee, M. A., Peters, T. J., Scott, D. F., Federspiel, F. E., Cather, E. E., and Campbell, H. W., 1983, Mineral resource potential map of the Freel and Dardanelles Roadless Areas, Alpine and El Dorado Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1322-C, scale 1:62,500.

Plouff, Donald, 1983, Aeromagnetic and gravity maps of the Freel and Dardanelles Roadless Areas, Alpine and El Dorado Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1322-B, scale 1:62,500.

**Golden Trout Wilderness**

Dellinger, D. A., du Bray, E. A., Leach, D. L., Goldfarb, R. J., Jachens, R. C., and Zilka, N. T., 1983, Mineral-resource potential map of the Golden Trout Wilderness, southern Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1231-E, scale 1:62,500.

du Bray, E. A., and Dellinger, D. A., 1981, Geologic map of the Golden Trout Wilderness, southern Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1231-A, scale 1:48,000.

Jachens, R. C., 1983, Map showing aeromagnetic interpretation of the Golden Trout Wilderness, southern Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1231-D.

Leach, D. L., Goldfarb, R. J., and Domenico, J. A., 1982a, Geochemical map of anomalous concentrations of selected elements in stream sediments from the Golden Trout Wilderness, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1231-C.

Leach, D. L., Goldfarb, R. J., and Domenico, J. A., 1982b, Geochemical map of anomalous concentrations of selected elements in heavy-mineral concentrates of the Golden Trout Wilderness, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1231-B.

### **Granite Chief Wilderness study area**

Harwood, D. S., 1981, Geologic map of the Granite Chief Wilderness study area and adjacent parts of the Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1273-A, scale 62,500.

\_\_\_\_\_, 1982, Geochemical maps of the Granite Chief Wilderness study area, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1273-B, scale 95,000.

Harwood, D. S., Federspiel, F. E., Cather, E. E., and Scott, D. F., 1982, Mineral resource potential map of the Granite Chief Wilderness study area, Placer County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1273-C, scale 62,500.

### **Granite Peak Roadless Area**

Hotz, P. E., Thurber, H. K., Marks, L. Y., and Evans, R. K., 1972, Mineral resources of the Salmon-Trinity Alps Primitive Area, California: U.S. Geological Survey Bulletin 1371-B, 267 p.

Huber, D. F., and Nelson, S. C., 1983, Mineral resource potential of the Granite Peak Roadless Area, Trinity County, California: U.S. Geological Survey Open-File Report 83-489.

### **High Sierra Primitive Area**

Moore, J. G., and Marks, L. Y., 1972, Mineral resources of the High Sierra Primitive Area, California: U.S. Geological Survey Bulletin 1371-A, 40 p.

### **Ishi, Mill Creek, Polk Springs, and Butt Mountain Roadless Areas**

Peterson, J. A., Bradley, Robin, and Johnson, K. A., 1982, Maps showing geochemical analyses of the Ishi, Mill Creek, Polk Springs, and Butt Mountain Further Planning Areas, Tehama and Plumas Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1340-B, scale 1:62,500.

Peterson, J. A., Bradley, Robin, Johnson, K. A., and Lydon, P. A., 1982, Geologic maps of the Ishi, Mill Creek, Polk Springs, and Butt Mountain Further Planning Areas, Tehama and Plumas Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1340-A, scale 1:62,500.

Peterson, J. A., Fiebelkorn, R. B., Johnson, K. A., Denton, D. K., Jr., Cather, E. E., Campbell, H. W., and Gabby P. N., 1983, Mineral resource potential map of the Ishi, Mill Creek, Polk Springs, and Butt Mountain Roadless Areas, Tehama and Plumas Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1340-C, scale 1:62,500.

### **John Muir Wilderness**

Dellinger, D. A., Diggles, M. F., and du Bray, E. A., 1982, Maps and interpretation of geochemical anomalies in the John Muir Wilderness, Fresno, Inyo, Madera, and Mono Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1185-B, scale 1:125,000.

du Bray, E. A. 1981, Generalized bedrock geologic map of the John Muir Wilderness, Fresno, Inyo, and Mono Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1185 A, scale 1:125,000.

#### **John Muir Wilderness--continued**

- du Bray, E. A., Dellinger, D. A., Oliver, H. W., Diggles, M. F. , Johnson, F. L., Thurber, H. K. , Morris, R. W. , Peters, T. J. , and Lindsey, D. S., 1982, Mineral resource potential map of the John Muir Wilderness, Fresno, Inyo, Madera, and Mono Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1185-C, scale 1:125,000.
- Lockwood, J. P., Bateman, P. C., and Sullivan, J. S., 1972, Mineral resource evaluation of the U.S. Forest Service Sierra Demonstration Project area, Sierra National Forest, California: U.S. Geological Survey Professional Paper 714, 59 p.

#### **Kaiser Wilderness**

- du Bray, E. A., and Dellinger, D. A., 1980, Geologic, aeromagnetic, and geochemical anomaly maps of the Kaiser Ridge Wilderness, central Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1181, scale 1:62,500.
- du Bray, E. A., Dellinger, D. A., Leszykowski, Andrew, Morlock, Clayton, and Willett, Spencer, 1983, Mineral resource potential map of the Kaiser Wilderness, Fresno County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1515, scale 1:62,500.
- Lockwood, J. P., Bateman, P. C., and Sullivan, J. S., 1972, Mineral resource evaluation of the U.S. Forest Service Sierra Demonstration Project area, Sierra National Forest, California: U.S. Geological Survey Professional Paper 714, 59 p.

#### **Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas**

- Moore, J. G., and Marks, L. Y., 1972, Mineral resources of the High Sierra Primitive Area, California: U.S. Geological Survey Bulletin 1371-A, 40 p.
- Nokleberg, W. J., Moore, J. G., Chaffee, M. A., Griscom, Andrew, Longwell, W. D., and Spear, J. M., 1983, Mineral resource potential map of the Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, Fresno County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1564-A, scale 1:62,500.

#### **Lake Eleanor Roadless Area**

- Hotz, P. E., Thurber, H. K., Marks, L. Y., and Evans, R. K., 1972, Mineral resources of the Salmon-Trinity Alps Primitive Area, California: U.S. Geological Survey Bulletin 1371-13, 267 p.
- Huber, D. F., and Nelson, S. C., Cather, E. C., and Ritchey, J. L., 1983, Mineral Resource Potential of the Lake Eleanor Roadless Area, Trinity County, California: U.S. Geological Survey Open-File Report 83-482, 19 p.

#### **Laurel-McGee and Wheeler Ridge Roadless Areas**

- Bateman, P. C., 1965, Geology and tungsten mineralization of the Bishop district, California: U.S. Geological Survey Professional Paper 470, 208 p.
- Cosca, M. A. and Chaffee, M. A., 1983, Geochemical analyses of rock, stream-sediment, and panned-concentrate samples from the Laurel-McGee and Wheeler Ridge Roadless Areas, Inyo and Mono Counties, California: U.S. Geological Survey Open-File Report 83-3.

### **Laurel-McGee and Wheeler Ridge Roadless Areas--continued**

- Cosca, M. A., Chaffee, M. A., and Chapstick, D. O., 1983, Mineral resource potential map of the Wheeler Ridge Roadless Area, Inyo and Mono Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1411-B, scale 1:62,500.
- Cosca, M. A., Chaffee, M. A., and Johnson, Rick, 1983, Mineral resource potential map of the Laurel-McGee Roadless Area, Mono County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1411-C, scale 1:62,500.
- Newberry, R. J., 1982, Tungsten-bearing skarns of the Sierra Nevada; The Pine Creek mine, California: *Economic Geology*, v. 77, p. 824.

### **Lost Creek Roadless Area**

- Anderson, C. A., 1940, Hat Creek Lava Flow: *American Journal of Science*, v. 238, no. 7, p. 477-492.
- Campbell, H. W. and Muffler, L. G. P., in press, Mineral resource potential of the Lost Creek Roadless Area, Shasta County, California: U.S. Geological Survey Open-File Report 83-508.
- Finch, R. H., 1933, Slump scarps: *Journal of Geology*, v. 41, no. 6, p. 647-649.
- Macdonald, G. A. 1964, Geology of the Prospect Peak Quadrangle, California: U.S. Geological Survey Geological Map, GQ-345.
- Mase, C. W., Sass, J. H., Lachenbruch, A. H., and Munroe, R. J., 1982, Preliminary heat-flow investigations of the California Cascades: U.S. Geological Survey Open-File Report 82-150, 240 p.

### **Marble Mountain Wilderness**

- Donato, M. M., Barnes, C. G., Coleman, R. G., Ernst, W. G., and Kays, M. A., 1982, Geologic map of the Marble Mountain Wilderness, Siskiyou County, California: U. S. Geological Survey Miscellaneous Field Studies Map MF-1452-A.
- Donato, M. M., Hale, W. H., Jachens, R. C., and Smith, D. B., 1983, Mineral resource potential map of the Marble Mountain Wilderness, Siskiyou County, California: U. S. Geological Survey Miscellaneous Field Studies Map MF-1452-B.

### **Minarets Wilderness and adjacent areas**

- U. S. Geological Survey and U. S. Bureau of Mines, 1982, Mineral resources of the Minarets Wilderness and adjacent areas, Madera and Mono Counties, California: U. S. Geological Survey Bulletin 1516-A-D, 159 p.

### **Miranda Pine, Horseshoe Springs, Tepusquet Peak, La Brea, Spoor Canyon, Fox Mountain, and Little Pine Roadless Areas**

- Avery, D. W., 1981, Mineral resources of the Tepusquet Peak RARE II Area (No. 5116), Santa Barbara County, California: U.S. Bureau of Mines Open File Report MLA 7-81, 6 p.
- Benham, J. R., 1983, Mineral investigation of the Spoor Canyon RARE II Area (No. 5118), Santa Barbara County, California: U.S. Bureau of Mines Open File Report, MLA 17-83, 7 p.

**Miranda Pine, Horseshoe Springs, Tepusquet Peak, La Brea, Spoor Canyon, Fox Mountain, and Little Pine Roadless Areas--continued**

- Benham, J. R., and McCulloch, R. B., 1981, Mineral resources of the La Brea RARE II Area (No. 5117), Santa Barbara County, California: U.S. Bureau of Mines Open File Report MLA 9-82, 9 p.
- Capstick, D. O., and Hyndman, P. C., 1982, Mineral resources of the Little Pine RARE II Area (No. 5278), Santa Barbara County, California: U.S. Bureau of Mines Open File Report MLA 53-82, 7 p.
- Fedewa, W. T., and Hovland, R. D., 1981, Phosphate resources of the upper Miocene phosphate deposits near New Cuyama, Santa Barbara County, California, in Roberts, A. E., and Vercoetere, T. L., Geology and petrology of the upper Miocene phosphate deposits near New Cuyama, Santa Barbara County, California: U.S. Geological Survey Open-File Report 81-1037, p. 68 245.
- Frizzell, V. A., Jr., and Claypool, G. E., in press, Petroleum potential map of Mesozoic and Cenozoic rocks in roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-D.
- Frizzell, V. A. Jr., Smith, D. B., Kuizon, Lucia, and Hale, W. N., in press, Mineral resource potential map of roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-B.
- Frizzell, V. A., Jr. and Vedder, J. G., in press, Geologic map of roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-A.
- Griscom, Andrew, in press, Aeromagnetic map of part of the Los Padres National Forest in the southern Coast Range and western Transverse Range, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1658-A.
- Griscom, Andrew, in press, Bouguer gravity map of part of the Los Padres National Forest in the southern Coast Range and western Transverse Range, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1658-B.
- Horn, M. C., 1983, Mineral investigation of the mineral resources of the Horseshoe Spring RARE II Area (No. 5115), Santa Barbara County, California: U.S. Bureau of Mines Open File Report MLA 18-83, 9 p.
- Howell, D. G., and Claypool, G. E., 1977, Reconnaissance petroleum potential of Mesozoic and Cenozoic Rocks, Coast Ranges, California, in Howell, D. G., Vedder, J. G., and McDougall, K., eds., Cretaceous Geology of the California Coast Ranges, West of San Andreas Fault: Pacific Section, Society of Economic Paleontologists and Mineralogist, Pacific Coast Paleogeography Field Guide 2, p. 85-90.
- Kuizon, Lucia, 1983, Mineral resources of the Miranda Pine Rock RARE II Area (No. 5114), Santa Barbara County, California: U.S. Bureau of Mines Open File Report MLA 19-83, 8 p.
- McCulloch, R. B., and Neumann, T. R., 1982, Mineral investigation of the Fox Mountain RARE II Area (No. 5120), Santa Barbara County, California: U.S. Bureau of Mines Open File Report MLA 128-82, 9 p.

**Miranda Pine, Horseshoe Springs, Tepusquet Peak, La Brea, Spoor Canyon, Fox Mountain, and Little Pine Roadless Areas--continued**

- Smith, D. B., Frizzell, V. A., Jr., Adrian, B. M., Vaughn, R. B., and McDougal, C. M., in press, Geochemical map of roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-E.
- U.S. Bureau of Mines, in press, Mines and prospects map of roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-C.

**Mokelumne Wilderness and adjacent roadless areas**

- Chaffee, M. A., McKee, E. H., Hill, R. H., Speckman, W. S., and Sutley, S. J., 1981, Chemical analyses of samples of rock, minus-0.25-mm stream sediment and nonmagnetic heavy-mineral concentrate, Mokelumne Wilderness and adjacent RARE II Further Planning Areas, California: U.S. Geological Survey Open-File Report 81-670, 36 p.
- Chaffee, M. A., Hill, R. H., and Sutley, S. J., 1982, Geochemical map showing anomalous drainage basins, Mokelumne Wilderness Area and contiguous roadless areas central Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1201-C, scale 1:62,500.
- McKee, E. H., and Howe, A. A., 1981, Geologic map of the Mokelumne Wilderness and RARE II Further Planning Areas, central Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1201-A, scale 1:62,500.
- McKee, E. H., Chaffee, M. A., Federspiel, F. E., McHugh, E. L., Cather, E. E., Scott, D. F., and Rumsey, C. M., 1982, Mineral resource potential of the Mokelumne Wilderness and Caples Creek, Tragedy-Elephants Back, and Raymond Peak Roadless Areas, central Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1201-D, scale 1:62,500.
- Plouff, Donald, and McKee, E. H., 1981, Aeromagnetic map of the Mokelumne Wilderness and contiguous RARE II Further Planning Areas, central Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1201-B, scale 1:62,500.

**Moses and Dennison Peak Roadless Areas**

- Goldfarb, R. J., Leach, D. L., Sawlan, M. G., and Lipton, D. A., 1983, Mineral resource potential map of the Moses and Dennison Peak Roadless Areas, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1651-A.
- Leach, D. L., Goldfarb, R. J., and Domenico, J. A., 1982, Geochemical map for anomalous nonmagnetic, heavy-mineral concentrates from the Golden Trout Wilderness, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1231-B, scale 1:48,000.
- Lipton, D. A., 1983, Mineral resources of the Moses (No. 5203) and Dennison Peak (No. 5202) RARE II areas, Tulare County, California: U.S. Bureau of Mines Open-File Report.
- Saleeby, J. B., Goodwin, S. E., Sharp, W. D., and Busby, C. J., 1978, Early Mesozoic paleotectonic reconstruction of the southern Sierra Nevada region; in Mesozoic Paleogeography of the Western United States: Society of Economic Paleontology and Mineralogy, Pacific Section, p. 311-336.

### **Mount Eddy and Castle Crags Roadless Areas**

- Peterson, J. A., Caress, M. E., and Quick, J. E., 1983, Geochemical analyses of rock and stream-sediment samples from Castle Crags and Mount Eddy Roadless Areas, Shasta, Siskiyou, and Trinity Counties, California: U.S. Geological Survey Open-File Report 83-13, 14 p.
- Peterson, J. A., Caress, M. E., Spear, J. M., and Denton, D. K., Jr., 1983, Mineral resource potential map of the Mount Eddy and Castle Crags Roadless Areas, Shasta, Siskiyou, and Trinity Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1529-B, scale 1:62,500.
- Quick, J. E., 1981, Part 1--Petrology and petrogenesis of the Trinity Peridotite, northern California: Pasadena, California Institute of Technology, Ph. D. thesis, 288 p.
- Throckmorton, M. L., 1978, Petrology of the Castle Lake peridotite-gabbro mass, eastern Klamath Mountains, California: Santa Barbara, University of California, M. A. thesis, 109 p.
- Vennum, W. R., 1971, Petrology of the Castle Crags pluton, Shasta and Siskiyou Counties, California: Stanford, California, Stanford University, Ph. D. thesis, 140 p.

### **Mount Raymond Roadless Area**

- Griscom, Andrew, and Huber, N. K., 1983, Aeromagnetic map of the Mount Raymond Roadless Area, central Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1417-D, scale 1:62,500.
- Huber, N. K., 1982, Geologic map of the Mount Raymond Roadless Area, central Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1417-A, scale 1:62,500.
- Huber, N. K., and Chaffee, M. A., 1983, Geochemical maps of the Mount Raymond Roadless Area, central Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1417-C.
- Huber, N. K., Chaffee, M. A., Griscom, Andrew, Capstick, D. O., and Iverson, S. R., 1983, Mineral resource potential map of the Mount Raymond Roadless Area, central Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1417-B, scale 1:62,500.

### **Mount Shasta Wilderness study area**

- Blakely, R. J., and Christiansen, R. L., 1978, The magnetization of Mount Shasta and implications for virtual geomagnetic dipoles determined from seamounts: *Journal of Geophysical Research*, v. 83, p. 5971-5978.
- Christiansen, R. L., Kleinhampl, F. W., Blakely, R. J., Tuckey, E. T., Johnson, F. L., and Conyac, M. D., 1977, Resource appraisal of the Mount Shasta Wilderness study area, Siskiyou County, California: U.S. Geological Survey Open-File Report 77-250, 53 p.
- Miller, C. D., 1980, Potential hazards from future eruptions in the vicinity of Mount Shasta volcano, northern California: U.S. Geological Survey Bulletin 1503, 43 p.

### **North Fork of the American River Wilderness study area**

- Harwood, D. S., Griscom, Andrew, Federspiel, F. E., Leszykowski, A. M., and Spicker, F. A., 1982, Mineral resource potential map of the North Fork of the American River Wilderness study area (RARE II no. 5-262), Placer County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1177-C, scale 1:62,500.

### **North Fork Smith River Roadless Area, California and Oregon**

- Cater, F. W., and Wells, F. G., 1953, Geology and mineral resources of the Gasquet quadrangle, California-Oregon: U.S. Geological Survey Bulletin 995-C.
- Geological Society of America Penrose Conference, 1972, Ophiolites: Geotimes, v. 17, no. 12, p. 24-25.
- Gray, Floyd, Page, N. J., Cornwall, H. R., and Huber, Donald, 1983a, Geology of the North Fork Smith River Roadless Area, Del Norte County, northern California, and Josephine County, Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1423-A, scale 1:62,500.
- Gray, Floyd, Page, N. J., and Hamilton, Michael, 1983b, Mineral resource potential map of the North Fork Smith River Roadless Area, Del Norte County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1423-B, scale 1:62,500.
- Gray, Floyd, Peterson, J. A., Carlson, R. R., Briggs, Peter, Haffty, Joseph, Cooley, E. F., and Page, N. J., 1982, Geochemical analyses of rock and stream-sediment samples from the North Fork Smith River Roadless Area, Del Norte County, California: U.S. Geological Survey Open-File Report 82-976, 22 p.
- Griscom, Andrew, 1983, Aeromagnetic interpretation of the Josephine ultramafic body, California, in Geological and geophysical studies of chromite deposits in the Josephine peridotite, California and Oregon: U.S. Geological Survey Bulletin 1546.
- Maxson, J. H., 1933, Economic geology of portions of Del Norte and Siskiyou Counties, northwesternmost California: California Journal of Mines and Geology, v. 29, p., 123-160.
- Page, N. J., Carlson, C. A., Gray, Floyd, Carlson, R. A., Briggs, P., Haffty, Joseph, and Cooley, E. F., 1983, Geochemical characteristics of the North Fork Smith River Roadless Area, Del Norte County California, and Josephine County, Oregon: U.S. Geological Survey Miscellaneous Field Studies, MF 1423-B.

### **Orleans Mountain Roadless Area (B5079)**

- Donato, M. M., Barnes, C. G., and Gray, G. G., 1983, Geologic map of the Orleans Mountain Roadless Area, Humboldt and Siskiyou Counties, California: U. S. Geological Survey Miscellaneous Field Studies Map MF-1526-A.
- Donato, M. M., Linné, J. M., Jachens, R. C., and Smith, D. B., 1983, Mineral resource potential map of the Orleans Mountain Roadless area (B5079), Humboldt and Siskiyou Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1526-B.

### **Orleans Mountain Roadless Area (C5079, B5079)**

- Hotz, P. E., Thurber, H. K., Marks, L. Y., Evans, R. K., and Griscom, A., 1972, Mineral Resources of the Salmon-Trinity Alps Primitive Area, California, U. S. Geological Survey Bulletin 1371-B, 267 p.
- Jayko, A. S. and Blake, M. C., Jr., 1983 Geologic map of part of the Orleans Mountain Roadless Area, Trinity and Siskiyou Counties, California: U. S. Geological Survey Miscellaneous Field Studies Map MF-1600-A.

### **Orleans Mountain Roadless Area (C5079, B5079)--continued**

- Jayko, A. S., and Blake, M. C., Jr., in press, Geochemical map of part of the Orleans Mountain Roadless Area, Siskiyou and Trinity Counties, northern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1600-C.
- Jayko, A. S. Blake, M. C., Jr., Marks, L. Y., and Evans, R. K., in press, Mineral resource potential map of part of the Orleans Mountain Roadless Area, Siskiyou and Trinity Counties, northern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1600-B.

### **Pleasant View Roadless Area**

- Cox, B. F., Powell, R. E., Hinkle, M. E., and Lipton, D. A., in press, Mineral resource potential map of the Pleasant View Roadless Area, Los Angeles County, California: U.S. Geological Survey Miscellaneous Field Studies Map, MF-1649-A, scale 1:62,500.
- Ridenour, James, Schmauch, S. W., and Zilka, N. T., 1982, Economic appraisal of mineral resources of the Sheep Mountain Wilderness study area, Los Angeles and San Bernardino Counties, California, in Mineral resources of the Sheep Mountain Wilderness study area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, California: U.S. Geological Survey Bulletin 1506-D, p. 53-84.
- Zilka, N. T., and Schmauch, S. W., 1982, Economic appraisal of mineral resources of the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, California, in Mineral resources of the Sheep Mountain Wilderness study area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, California: U.S. Geological Survey Bulletin 1506-E, p. 85-92.

### **Pyramid Roadless Area**

- Armstrong, A. K., Chaffee, M. A., and Scott, D. F., in press, Mineral resource potential map of the Pyramid Roadless Area, central Sierra Nevada, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1616-A.
- Burnett, J. L., 1971, Geology of the Lake Tahoe Basin, California: California Division of Mines and Geology, v. 27, no. 7, p. 119-130.
- Dalrymple, G. B., 1964, Cenozoic chronology of the Sierra Nevada: University of California Publications in Geologic Science, v. 47, 41 p.
- Dodge, F.C.W., and Fillo, P. V., 1967, Mineral resources of the Desolation Valley Primitive area of the Sierra Nevada, California: U.S. Geological Survey Bulletin 1261-A, 27 p.
- Lindgren, Waldemar, 1896, Description of the Pyramid Peak quadrangle, California: U.S. Geological Survey Geologic Atlas, Pyramid Peak Folio 31.
- \_\_\_\_\_, 1897, Description of the Truckee quadrangle, California: U.S. Geological Survey Geologic Atlas, Truckee Folio 39.
- Loomis, A. A., 1960, Petrology of the Fallen Leaf Lake area, California: Stanford University, Ph.D. dissertation.
- \_\_\_\_\_, 1963, Noritic anorthosite bodies in the Sierra Nevada batholith: Mineralogical Society of America Special Paper 1, p. 62-68.
- \_\_\_\_\_, 1964, Geology of the Fallen Leaf quadrangle: California Division of Mines Open-File Report, 174 p.

### **Pyramid Roadless Area--continued**

- \_\_\_\_\_, 1966, Contact metamorphic reactions and processes in the Mount Tallac roof remnant, Sierra Nevada, California: *Journal of Petrology*, v. 7, p. 221-245.
- Scott, D. F., 1982, Mineral investigation of the Pyramid RARE II Area (No. 5023), El Dorado County, California: U.S. Bureau of Mines Open-File Report MLA 69-82, 12 p.

### **Raywood Flat Roadless Areas**

- Hewett, D. F., and Stone, Jerome, 1957, Uranothorite near Forest Home, San Bernardino County, California: *American Mineralogist*, v. 42, p. 104-107.
- Matti, J. C., Cox, B. F., and Iverson, S. R., 1983, Mineral resource potential map of the Raywood Flat Roadless Areas, San Bernardino and Riverside Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1563-A, scale 1:62,500.
- Pitkin, J. A., and Duval, J. S., 1981, Interpretation of an aerial radiometric survey of the San Gorgonio Wilderness Area and vicinity, San Bernardino County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1161-B, scale 1:62,500.
- U.S. Geological Survey, 1979, Aeromagnetic map of the southern San Bernardino Mountains area; U.S. Geological Survey Open-file Report 79-1448.

### **Rubicon Roadless Area**

- Harwood, D. S., 1983, Geologic and geochemical maps of the Rubicon Roadless Area, Placer and Eldorado Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1501-A, scale 1:24,000.
- Harwood, D. S., Cather, E. E., and Scott, D. F., 1983, Mineral resource potential map of the Rubicon Roadless Area, Placer and Eldorado Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1501-B, scale 1:24,000.

### **Salmon-Trinity Alps Wilderness**

- Hotz, P. E., Thurber, H. K., Marks, L. Y., and Evans, R. K., 1972, Mineral resources of the Salmon-Trinity Alps Primitive Area, California, with a section on An aeromagnetic survey and interpretation by Andrew Griscom: U.S. Geological Survey Bulletin 1371-B, 267 p.
- Hotz, P. E., Greene, R. C., Close, T. J., and Evans, R. K., 1982, Mineral resources of proposed additions to the Salmon-Trinity Alps Primitive Area, California: U.S. Geological Survey Bulletin 1514, 54 p.

### **San Gorgonio Wilderness**

- Cox, B. F., Matti, J. C., Oliver, H. W., and Zilka, N. T., 1983, Mineral resource potential map of the San Gorgonio Wilderness, San Bernardino County, California: U. S. Geological Survey Miscellaneous Field Studies Map MF-1161-C, scale 1:62,500 (in press).
- Herd, D. G., 1980, Summary of investigations and results of studies in the San Gorgonio Mountain area, southern California, in Evernden, J. F., *Summaries of technical reports, Volume 9--National Earthquake Hazards Reduction Program*: U.S. Geological Survey Open-File Report 80-6, p. 15-16.

### **San Gorgonio Wilderness--continued**

- Hewett, D. F., and Stone, Jerome, 1957, Uranothorite near Forest Home, San Bernardino County, California: American Mineralogist, v. 42, p. 104-107.
- Morton, D. M., Cox, B. F., and Matti, J. C., 1980, Geologic map of the San Gorgonio Wilderness, San Bernardino County, California: U. S. Geological Survey Miscellaneous Field Studies Map MF-1161-A, scale 1:62,500.
- Pitkin, J. A., and Duval, J. S., 1981, Interpretation of an aerial radiometric survey of the San Gorgonio Wilderness Area and vicinity, San Bernardino County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1161-B, scale 1:62,500.
- Sharp, R. P., Allen, C. R., and Meier, M. F., 1959, Pleistocene glaciers on southern California mountains: American Journal of Science, v. 257, p. 81-94.

### **San Jacinto Wilderness**

- Cox, B. F., Matti, J. C., Oliver, H. W., and Conyac, M. D., 1983, Mineral resource potential map of the San Jacinto Wilderness, Riverside County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1159-B, scale 1:62,500 (in press).
- Morton, D. M., Matti, J. C., and Cox, B. F., 1980, Geologic map of the San Jacinto Wilderness, Riverside County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1159-A, scale 1:62,500.
- U.S. Geological Survey, 1979, Aeromagnetic map of the San Jacinto area, California: U.S. Geological Survey Open-File Report 79-1447.

### **San Joaquin Roadless Area**

- Huber, N. K., and Rinehart, C. D., 1965, Geologic map of the Devils Postpile quadrangle, Sierra Nevada, California: U.S. Geological Survey Quadrangle Map GQ-437, scale 1:62,500.
- McKee, E. H., and Capstick, D. O., 1982, Mineral resource potential of part of the San Joaquin Roadless Area, Madera County, California: U.S. Geological Survey Open-File Report 82-993, 13 p.

### **San Rafael Primitive Area**

- Gower, H. D., Vedder, J. G., Clifron, H. E., and Post, E. V., 1966, Mineral resources of the San Rafael Primitive Area, California: U.S. Geological Survey Bulletin 1230-A, 28 p.

### **Santa Lucia Wilderness, and Garcia Mountain, Black Mountain, La Panza, Machesna Mountain, Los Machos Hills, Big Rocks, and Stanley Mountain Roadless Areas**

- Barnes, D. J., 1981, Mineral resources of the La Panza RARE II Area (No. 5109), San Luis Obispo County, California: U.S. Bureau of Mines Open-File Report MLA 34-81, 10 p.
- Denton, D. K. Jr., 1982, Mineral resources of the Los Machos Hills RARE II Area (No. 5211), San Luis Obispo County, California: U.S. Bureau of Mines Open-File Report MLA 3-82, 8 p.

**Santa Lucia Wilderness, and Garcia Mountain, Black Mountain, La Panza, Machesna Mountain, Los Machos Hills, Big Rocks, and Stanley Mountain Roadless Areas--continued**

- Frizzell, V. A., Jr., and Claypool, G. E., in press, Petroleum potential map of Mesozoic and Cenozoic rocks in roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-D.
- Frizzell, V. A. Jr., Smith, D. B., Kuizon, Lucia, and Hale, W. N., in press, Mineral resource potential map of roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-B.
- Frizzell, V. A., Jr. and Vedder, J. G., in press, Geologic map of roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-A.
- Gabby, P. N., 1981, Mineral resources of the Black Mountain RARE II Area (No. 5108), San Luis Obispo County, California: U.S. Bureau of Mines Open File Report MLA 21-82, 12 p.
- Griscom, Andrew, in press, Aeromagnetic map of part of the Los Padres National Forest in the southern Coast Range and western Transverse Range, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1658-A.
- Griscom, Andrew, in press, Bouguer gravity map of part of the Los Padres National Forest in the southern Coast Range and western Transverse Range, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1658-B.
- Howell, D. G., and Claypool, G. E., 1977, Reconnaissance petroleum potential of Mesozoic and Cenozoic Rocks, Coast Ranges, California, in Howell, D. G., Vedder, J. G., and McDougall, K., eds., Cretaceous Geology of the California Coast Ranges, West of San Andreas Fault: Pacific Section, Society of Economic Paleontologists and Mineralogist, Pacific Coast Paleogeography Field Guide 2, p. 85-90.
- Kuizon, Lucia, 1983a, Mineral investigation of the Big Rocks RARE II Area (No. 5112), San Luis Obispo County, California: U.S. Bureau of Mines Open File Report MLA 12-83, 8 p.
- \_\_\_\_\_, 1983b, Mineral investigation of the Machesna Mountain RARE II Area (No. 5510), San Luis Obispo County, California: U.S. Bureau of Mines Open File Report MLA 13-83, 11 p.
- \_\_\_\_\_, 1983c, Mineral investigation of the Stanley Mountain RARE II Area (No. 5113), San Luis Obispo County, California: U.S. Bureau of Mines Open File Report MLA 57-83, 13 p.
- Lipton, D. A. 1981, Mineral resources of the Garcia Mountain RARE II Area (No. 5107), San Luis Obispo County, California: U.S. Bureau of Mines Open File Report MLA 8-82, 9 p.
- Sabine, Charles, and Esparza, L. E., 1981, Mineral resources of the Santa Lucia Wilderness, San Luis Obispo County, California: U.S. Bureau of Mines Open File Report MLA 16-82, 6 p.

**Santa Lucia Wilderness, and Garcia Mountain, Black Mountain, La Panza, Machesna Mountain, Los Machos Hills, Big Rocks, and Stanley Mountain Roadless Areas--continued**

- Smith, D. B., Frizzell, V. A., Jr., Adrian, B. M., Vaughan, R. B., and McDougal, C. M., in press, Geochemical map of the roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-E.
- U.S. Bureau of Mines, in press, Mines and prospects map of roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-C.

**Scodies Roadless Area**

- Capstick, D. O., 1983, Mineral investigations of the Scodies RARE II area (no. 5212), Kern County, California: U.S. Bureau of Mines Open-File Report MLA 47-83, 10 p.
- Harner, J. L., Chaffee, M. A., Seitz J. F., and Capstick, D. O., 1983, Mineral resource potential map of the Scodies Roadless Area, Kern County, California: U.S. Geological Survey Open-File Report 83-510.

**Sespe-Frazier, Diablo, Matilija, Dry Lakes, Sawmill-Badlands, Cuyama, Antimony, and Quatal Roadless Areas**

- Capstick, D. O., and Hyndman, P. C., 1982, Mineral resources of the Diablo RARE II Area (No. 5127), Santa Barbara County California: U.S. Bureau of Mines Open-File Report MLA 55-82, 7 p.
- Frizzell, V. A., Jr., and Claypool, G. E., in press, Petroleum potential map of Mesozoic and Cenozoic rocks in roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-D.
- Frizzell, V. A. Jr., Smith, D. B., Kuizon, Lucia, and Hale, W. N., in press, Mineral resource potential map of roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-B.
- Frizzell, V. A., Jr. and Vedder, J. G., in press, Geologic map of roadless area and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-A.
- Griscom, Andrew, in press, Aeromagnetic map of part of the Los Padres National Forest in the southern Coast Range and western Transverse Range, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1658-A.
- Griscom, Andrew in press, Bouguer gravity map of part of the Los Padres National Forest in the southern Coast Range and western Transverse Range, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1658-B.
- Hale, W. N., Winters, R. A., Graham, D. E., and Neumann, T. R., 1983, Mineral investigation of the Sespe-Frazier RARE II Area (No. 5002), Ventura County, California: U.S. Bureau of Mines Open-File Report MLA 78-83.

**Sespe-Frazier, Diablo, Matilija, Dry Lakes, Sawmill-Badlands, Cuyama, Antimony, and Quatal Roadless Areas--continued**

- Howell, D. G., and Claypool, G. E., 1977, Reconnaissance petroleum potential of Mesozoic and Cenozoic Rocks, Coast Ranges, California, in Howell, D. G., Vedder, J. G., and McDougall, K., eds., Cretaceous Geology of the California Coast Ranges, West of San Andreas Fault: Pacific Section, Society of Economic Paleontologists and Mineralogist, Pacific Coast Paleogeography Field Guide 2, p. 85-90.
- Kuizon, Lucia, 1981, Mineral resources of the Cuyama RARE II Area (No. 5135), Santa Barbara and Ventura Counties, California: U.S. Bureau of Mines Open-File Report MLA 9-81, 11 p.
- \_\_\_\_\_, 1982, Mineral investigation of the Antimony RARE II Area (No. 5136), Kern and Ventura Counties, California: U.S. Bureau of Mines Open-File Report MLA 71-82, 14 p.
- Lambeth, R. H. 1982, Mineral resources of the Matilija RARE II Area (No. 5129), Ventura and Santa Barbara Counties, California: U.S. Bureau of Mines Open-File Report MLA 64-82, 13 p.
- Longwill, W. D., 1982, Mineral resources of the Sawmill-Badlands RARE II Area (No. 5134), Ventura and Kern Counties, California: U.S. Bureau of Mines Open-File Report MLA 51-82, 18 p.
- Smith, D. B., Frizzell, V. A., Jr., Adrian, B. M., Vaughn, R. B., and McDougal, C. M., in press, Geochemical map of roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-E.
- U.S. Bureau of Mines, in press, Mines and prospects map of roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1655-C.
- White, W. W., III, 1982a, Mineral resources of the Dry Lakes RARE II Area (No. 5131), Ventura County, California: U.S. Bureau of Mines Open-File Report MLA 84-82, 17 p.
- \_\_\_\_\_, 1982b, Mineral investigation of the Quatal RARE II Area (No. 5268), Ventura County, California: U.S. Bureau of Mines Open-File Report MLA 68-82, 15 p.

**Sheep Mountain Wilderness Study Area and Cucamonga Wilderness and Additions**

- Evans, J. G., Pankratz, Leroy, Ridenour, James, Schmauch, S. W., and Zilka, N. T., 1977, Mineral resources of the Sheep Mountain Wilderness study area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, California: U.S. Geological Survey Open-File Report 77-251, 99 p.
- Evans, J. G., Pankratz, Leroy, Ridenour, James, Schmauch, S. W., and Zilka, N. T., 1982, Mineral resources of the Sheep Mountain Wilderness study area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, California: U.S. Geological Survey Bulletin 1506, 92 p.

### **Sill Hill, Hauser, and Caliente Roadless Areas**

- Todd, V. R., in press, Geologic map of the Sill Hill, Hauser, and Caliente Roadless Areas, San Diego County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1547-B, scale 1:62,500.
- Todd, V. R., Learned, R. E., Peters, T. J., and Mayerle, R. T., 1983, Mineral resource potential map of the Sill Hill, Hauser, and Caliente Roadless Areas, San Diego County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1547-A, scale 1:62,500.

### **Snow Mountain Wilderness Study Area**

- Brown, R. D., Jr., Grimes, D. J., Leinz, Reinhardt, Federspiel, F. E., and Leszykowski, A. M. 1981, Mineral resources of the Snow Mountain Wilderness study area, California: U.S. Geological Survey Bulletin 1495, 48 p.

### **South Warner Wilderness**

- Duffield, W. A. and Weldin, R. D., 1976, Mineral resources of the South Warner Wilderness, Modoc County, California, with a section on Aeromagnetic data by W. E. Davis: U.S. Geological Survey Bulletin 1385-D, 31 p.

### **Sugarloaf Roadless Area**

- Cameron, C. S., 1982, Stratigraphy and significance of the Upper Precambrian Big Bear Group, in Cooper, J. D., compiler, Geology of selected areas in the San Bernardino Mountains, western Mojave Desert, and southern Great Basin, California: Geological Society of America, Guidebook for Field Trip Number 9, 78th Annual Meeting of the Cordilleran Section, p. 5-20.
- Dibblee, T. W., Jr., 1964, Geologic map of the San Gorgonio Mountain quadrangle, San Bernardino and Riverside Counties, California: U. S. Geological Survey Miscellaneous Geological Investigations Series I-431, scale 1:62,500.
- Powell, R. E. Matti, J. C., Cox, B. F., Oliver, H. W., Wagini, Alexander, and Campbell, H. W., 1983, Mineral resource potential map of the Sugarloaf Roadless Area, San Bernardino County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1606-A.
- Rohtert, W. R., 1981, Paragenesis of the Thumbum uranium deposit, San Bernardino Mountains, California: University of Colorado, unpublished Ph.D. thesis, 149 p.
- Sadler, P. M., 1982, Geologic map of the Moonridge Quadrangle, California Division of Mines and Geology Open-File Map (San Francisco), scale 1:24,000.
- Troxel, B. W., Stinson, M. C., and Chesterman, C. W., 1957, Uranium, in Jenkins, O. P., director, Mineral Commodities of California: California Division of Mines Bulletin 176, p. 669-687.
- Vaughan, F. E., 1922, Geology of San Bernardino Mountains, north of San Gorgonio Pass: University of California, Department of Geological Sciences Bulletin, v. 13, p. 319-411.
- Warne, J. D., and Reeves, R. G., 1957, Report of examination of field team, claims San Bernardino County, California: Defense Minerals Administration Report 4563, 7 p.

### **Sweetwater Roadless Area, California and Nevada**

- Brem, G. F., 1983, Geologic map of the Sweetwater Roadless Area, Mono County, California, and Lyon and Douglas Counties, Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1535-B, scale 1:62,500 (in press).
- Brem, G. F., Chaffee, M. A., Plouff, D., and Lambeth, R. H., 1983, Mineral resource potential map of the Sweetwater Roadless Area, Mono County, California, and Lyon and Douglas Counties, Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1535-A, scale 1:62,500 (in press).
- Lambeth, R. H., Campbell, H. W., Scott, D. F., and Spear, J. O., 1983, Mineral investigation of the Sweetwater RARE II area (No. 4657), Mono County, California, and Lyon and Douglas Counties, Nevada: U.S. Bureau of Mines Mineral Land Assessment Report MLA 69-83, 34 p.

### **Thousand Lakes Wilderness**

- Lydon, P. A. and O'Brien, J. C., 1974, Mines and mineral resources of Shasta County, California: California Division of Mines and Geology, County Report 6, 154 p.
- Macdonald, G. A., 1963, Geology of the Manzanita Lake quadrangle, California: U.S. Geological Survey GQ-248.
- \_\_\_\_\_, 1966, Geology of the Cascade Range and Modoc Plateau, in Bailey, E. H., ed., Geology of northern California: California Division of Mines and Geology, Bulletin 190, p. 65-96.
- Till, A. B., McHugh, E. L., and Rumsey, C. M., 1983, Mineral resource potential of the Thousand Lakes Wilderness: U.S. Geological Survey Open-File Report 83-408.
- U.S. Geological Survey, 1978, Lands valuable for geothermal resources, northern California: Office of Area Geologist, Conservation Division, scale 1:500,000.

### **Timbered Crater Roadless Area**

- Griscom, Andrew, 1981, Map showing aeromagnetic interpretation of the Baker-Cypress BLM Instant Study Area and Timbered Crater Forest Service Further Planning Areas, Modoc, Shasta, and Siskiyou Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1214-C, scale 1:62,500.
- Peterson, J. A., 1980, Geochemical analyses and geochemical rock sample location map for the Baker-Cypress Area, California: U.S. Geological Survey Open-File Report 80-197, 4 p., scale 1:62,500.
- Peterson, J. A., and Martin, L. M., 1980, Geologic map of the Baker-Cypress BLM Roadless Area and Timbered Crater Rare II Areas, Modoc, Shasta, and Siskiyou Counties, northeastern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1214-A, scale 1:62,500.
- Peterson, J. A., Martin, L. M., Esparza, L. E., and Cwick, G. J., 1981, Mineral resource potential of the Baker-Cypress Instant Study Area and Timbered Crater Forest Service Further Planning (RARE II) Areas, Modoc, Shasta, and Siskiyou Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1214-B, scale 1:62,500.

### **Tioga Lake, Hall Natural Area, Log Cabin-Saddlebag, and Horse Meadows Roadless Areas**

- Seitz, J. F., 1983, Geologic map of the Tioga Lake, Hall Natural Area, Log Cabin-Saddlebag, and Horse Meadows Roadless Areas, Mono County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1453-A, scale 1:62,500
- Seitz, J. F., Chaffee, M. A., Oliver, H. W., Federspiel, F. E., Cather, E. E., Zilka, N. T., and Leszykowski, A. M., in press, Mineral resource potential map of Tioga Lake, Hall Natural Area, Log Cabin-Saddle Bag, and Horse Meadows Roadless Areas, Mono County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1453-B.

### **Tuolumne River Roadless Area**

- Bateman, P. C., and Wahrhaftig, C., 1966, Geology of the Sierra Nevada in Geology of Northern California: California Division of Mines and Geology Bulletin 190, p. 107-169.
- Harner, J. L., Seitz, J. F., Hyndman, P. C., in press, Mineral resource potential map for the Tuolumne River Roadless Area, Tuolumne County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1617-A, scale 1:62,500.
- Hyndman, P. C., 1983, Mineral investigation of the Tuolumne River RARE II Area (No. 5258), Tuolumne County, California: U.S. Bureau of Mines Open-File Report MLA 73-83, 17 p.
- Julihan, C. E., and Horton, F. W., 1949, Mines of the southern Mother Lode region, Part II, Tuolumne and Mariposa Counties: U. S. Bureau of Mines Bulletin 424, p. 1-93
- Schweickert, R. A., Saleeby, J. B., Tobisch, O. T., and Wright, W. H. III, 1977, Paleotectonic and paleographic significance of the Calaveras Complex, Western Sierra Nevada, California, in Paleozoic paleogeography of the Western United States: Los Angeles, Pacific Coast Paleogeography Symposium 1, p. 381-394.

### **Ventana Wilderness**

- Pearson, R. C., Hayes, P. J., and Fillo, R. V., 1967, Mineral resources of the Ventana Primitive Area, Monterey County, California: U.S. Geological Survey Bulletin 1261-B, 42 p.

### **Ventana Wilderness Additions and Black Butte, Bear Mountain, and Bear Canyon Roadless Areas**

- Pearson, R. C., Hayes, P. J., and Fillo, R. V., 1967, Mineral resources of the Ventana Primitive Area, Monterey County, California: U.S. Geological Survey Bulletin 1261-B, 42 p.
- Seiders, V. M., Esparza, L. E., Sabine, Charles, Spear, J. M., Stebbins, Scott, and Benham, J. R., 1983, Mineral resource potential map of the Ventana Wilderness additions and the Black Butte, Bear Mountain, and Bear Canyon Roadless Areas, Los Padres National Forest, Monterey County, California: U.S. Geological Survey Miscellaneous Field Studies Map, MF-1559-A, scale 1:50,000 (in press).

### **Weaver Bally Roadless Area**

- Blake, M. C., Jr., in press, Geologic map and geochemical data for the Weaver Bally Roadless Area, Trinity County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1657-B, scale 1:48,000.
- Blake, M. C., Jr., and Peters, T. J., in press, Mineral resource potential map of the Weaver Bally Roadless Area, Trinity County California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1657-A.
- Cox, D. P., 1967, Reconnaissance geology of the Helena quadrangle, Trinity County, California, in Short contributions to California geology: California Division of Mines and Geology Special Report 92, p. 43-55.
- Davis, G. A., Holdaway, M. J., Lipman, P. W., and Romey, W. D., 1965, Structure, metamorphism, and plutonism in the south-central Klamath Mountains, California: Geological Society of America Bulletin, v. 76, no. 8, p. 933-966.
- Hotz P. E., Thurber, H. K., Marks, L. Y., and Evans, R. K., 1972, Mineral resources of the Salmon-Trinity Alps Primitive Area, California: U.S. Geological Survey Bulletin 1371-B, 267 p.

### **White Mountains and Birch Creek Roadless Areas, California and Nevada**

- Diggles, M. F., 1983, Maps and interpretation of geochemical anomalies in the White Mountains, Blanco Mountain, Birch Creek, and Black Canyon Roadless Areas, California and Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1361-B, scale 1:62,500.
- Diggles, M. F., Dellinger, D. A., Sutley, S. J., Fey, D. L., and Hill, R. H., 1982, Chemical data for samples of rock, stream-sediment, and dense-mineral concentrate in the White Mountains, Blanco Mountain, Birch Creek, and Black Canyon Roadless Areas, White Mountains, California and Nevada: U.S. Geological Survey Open-File Report 82-984, 188 p.
- Diggles, M. F., Schmauch, S. W., Lipton, D. A., Gabby, P. N., Rains, R. L., Horn, M. C., Barnes, D. J., Kuizon, Lucia, Cather, E. E., Avery, D. W., White, W. W., Campbell, H. W., and Capstick, D. O., 1983, Mineral resource potential map of the White Mountains (A5058) and Birch Creek (5060) Roadless Areas, Inyo National Forest, White Mountains, California and Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1361-D, scale 1:62,500
- McKee, E. H. Diggles, M. F., Donahoe, J. L., and Elliott, G. S., 1982, Geologic map of the White Mountains Wilderness and Roadless Areas, California and Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1361-A, scale 1:62,500.

### **Wild Cattle Mountain and Heart Lake Roadless Areas**

- Brook, C. A., Mariner, R. H., Mabey, D. R., Swanson, J. R., Guffanti, Marianne, and Muffler, L. J. P., 1979, Hydrothermal convection systems with reservoir temperatures  $>90^{\circ}\text{C}$ , in Muffler, L.J.P., ed., Assessment of geothermal resources of the United States--1978: U.S. Geological Survey Circular 790, p. 18-85.
- Christopherson, K. R., 1980, Geophysical studies of the Lassen KGRA, California: Geothermal Resources Council Transactions, v. 4, p. 25-28.

**Wild Cattle Mountain and Heart Lake Roadless Areas--continued**

- Christopherson, K. R., Hoover, D. B., Lewis, V., Radtke, B., and Senterfit, R. M., 1980, Lassen Known Geothermal Resource Area, California--Audio-magnetotelluric, telluric profiling, and self-potential studies: U.S. Geological Survey Open-File Report 80-313, 28 p.
- Christopherson, K. R., and Pringle, Laurel, 1981, Additional audio-magnetotelluric soundings in the Lassen Known Geothermal Resource Area, Plumas and Tehama Counties, California: U. S. Geological Survey Open-File Report 81-959, 18 p.
- Denton, D. K., Jr., and Graham, D. E., 1983, Mineral investigation of the Heart Lake (5096) and Wild Cattle Mountain (5043) RARE II Areas, Plumas, Shasta, and Tehama Counties, California: U.S. Bureau of Mines Open File Report MLA 30-83, 9 p.
- Fraser, D. C., 1983, Airborne electromagnetic surveys of the Cascade Range, western USA: U.S. Geological Survey Open-File Report 83-92, 35 p.
- Godwin, L. H., Haigler, L. B., Rioux, R. R., White, D. E., Muffler, L.J.P., and Wayland, R. G., 1971, Classification of public lands valuable for geothermal steam and associated geothermal resources: U. S. Geological Survey Circular 647, 18 p.
- Lydon, P. A., Gay T. E., Jr., and Jennings, C. W., 1960, Geologic map of California, Westwood sheet: California Division of Mines and Geology, scale 1:250,000.
- Mase, C. W., Sass, J. H., and Lachenbruch, A. H., 1980, Near-surface hydrothermal regime of the Lassen "Known Geothermal Resources Area," California: U.S. Geological Survey Open-File Report 80-1230, 31 p.
- Muffler, L. J. P., Clynne, M. A., and Cook, A. L., 1982, Mineral and geothermal resource potential of Wild Cattle Mountain and Heart Lake Roadless Areas, Plumas, Shasta, and Tehama Counties, California: U. S. Geological Survey Open-File Report 82-846, 25p.
- Muffler, L. J. P., Nehring, N. L., Truesdell, A. H., Janik, C. J., Clynne, M. A. and Thompson, J. M., 1982, The Lassen Geothermal System: Proceedings of Pacific Geothermal Conference, Auckland, New Zealand, November, 1982, p. 349-356 (also published as U.S. Geological Survey Open-File Report 82-926).
- Renner, J. L., White, D. E., and Williams, D. L., 1975, Hydrothermal convection systems, in White, D. E., and Williams, D. L., eds., Assessment of geothermal resources of the United States--1975: U. S. Geological Survey Circular 726, p. 5-57.
- Thompson, J. M., 1982, Preliminary chemical studies from Lassen Volcanic National Park and vicinity: Geothermal Resources Council Transactions, v. 6, p. 115-118.
- Varekamp, J. C., and Buseck, P. R., 1983, Hg anomalies in soil--a geochemical exploration method for geothermal areas: Geothermics, v. 12, no. 1, p. 29-47.

**Yolla Bolly-Middle Eel Wilderness and Big Butte-Shinbone, East Fork, Murphy Glade, and Wilderness Contiguous Roadless Areas**

- Blake, M. C., Jr., and Jayko, A. S., 1983, Preliminary geologic map and cross-section of the Yolla Bolly-Middle Eel Wilderness area and contiguous Roadless Areas, northern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1595-A, scale 1:62,500.
- Blake, M. C., Jr., and Jayko, A. S., Lescykowski, A. M., Longwell, W. D., and Golba, Michael, 1983, Mineral resource potential map of the Yolla Bolly-Middle Eel Wilderness and adjacent roadless areas, northern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1595-B.
- U.S. Geological Survey, 1979, Aeromagnetic map of the Yolla Bolly-Middle Eel Wilderness Area: U.S. Geological Survey Open-File Report 79-1176, scale 1:62,500.

## **COLORADO**

### **Buffalo Peaks Wilderness Study Area**

- Behre, C. H., Jr., 1932, The Weston Pass mining district, Lake and Park Counties, Colorado: Colorado Scientific Society Proceedings, v. 13, no. 3, p. 53-75.
- Hedlund, D. C., Nowlan, G. A., and Woods, R. E., in press, Mineral resource potential map of the Buffalo Peaks Wilderness Study Area, Lake, Park, and Chaffee Counties, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1628-A.

### **Cannibal Plateau Roadless Area and Powderhorn Wilderness study area**

- Martin, R. A., and Sharp, W. N., 1983, Aeromagnetic map of the Powderhorn Wilderness study area and Cannibal Plateau Roadless Area, Gunnison and Hinsdale Counties, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1483-B, scale 1:50,000.
- Sharp, W. N., and Lane, M. E., 1983, Geochemical map of the Powderhorn Wilderness study area and Cannibal Plateau Roadless Area, Gunnison and Hinsdale Counties, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1483-C, scale 1:50,000.
- Sharp, W. N., Martin, R. A., and Lane, M. E., 1983, Mineral resource potential and geologic map of the Powderhorn Wilderness study area and Cannibal Plateau Roadless Area, Gunnison and Hinsdale Counties, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1483-A, scale 1:50,000.

### **Chama-Southern San Juan Mountains Wilderness study area**

- Lipman, P. W., 1975, Evolution of the Platoro Caldera complex and related volcanic rocks, southeastern San Juan Mountains, Colorado: U.S. Geological Survey Professional Paper 852, 125 p.
- U. S. Geological Survey and U.S. Bureau of Mines, 1977, Mineral resources of the Chama-southern San Juan Mountains wilderness study area, Mineral, Rio Grande, Archuleta, and Conejos Counties, Colorado: U.S. Geological Survey Open-File Report 77-309, 210 p.

### **Comanche-Big South, Neota-Flat Top, and Never Summer wilderness study areas**

- Pearson, R. C., Braddock, W. A., Flanigan, V. J., and Patten, L. L., 1981, Mineral resources of the Comanche-Big South, Neota-Flat Top, and Never Summer Wilderness study areas, north-central Colorado: U.S. Geological Survey Open-File Report 81-578, 73 p.

### **Eagles Nest Wilderness**

- Tweto, Ogden, Bryant, Bruce, and Williams, F. E., 1970, Mineral resources of the Gore Range-Eagles Nest Primitive Area and vicinity, Summit and Eagle Counties, Colorado: U.S. Geological Survey Bulletin 1319-C, 123 p.

### **Flat Tops Primitive Area**

- Bass, N. W., and Northrop, S. A., 1963, Geology of Glenwood Springs quadrangle and vicinity, northwestern Colorado: U.S. Geological Survey Bulletin 1142-J, 74 p.

#### **Flat Tops Primitive Area--continued**

- Kucera, R. E., 1962, Geology of the Yampa district, northwest Colorado: Boulder, Colorado University, Ph.D. thesis, 844 p.
- Mallory, W. W., Post, E. V., Ruane, P. J., Lehmbeck, W. L., and Stotelmeyer, R. B., 1966, Mineral resources of the Flat Tops Primitive Area, Colorado: U.S. Geological Survey Bulletin 1230-C, 30 p.
- Sharps, S. L., 1962, Geology of the Pagoda quadrangle, northwestern Colorado: Boulder, Colorado University, Ph.D. thesis, 364 p.

#### **Fossil Ridge Wilderness Study Area**

- DeWitt, Ed, and Kluender, S. E., in press, Mineral resource potential map of the Fossil Ridge Wilderness Study Area, Gunnison County, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1629-A, scale 1:30,000.
- Kluender, S. E., and McColly, R. A., 1983, Mineral investigation of the Fossil Ridge Wilderness Study Area, Gunnison County, Colorado: U.S. Bureau of Mines Open-File Report MLA 66-83.

#### **Greenhorn Mountain Wilderness Study Area**

- Creely, R. S., and Saterdal, A. O., 1956, Badito-Alamo Area, Huerfano County, Colorado, in Guidebook to the geology of the Raton Basin, Colorado: Rocky Mountain Association of Geologists, p. 71-74.
- Toth, M. I., Birch, D. R., and Baskin, G. D., 1983, Mineral resource potential of the Greenhorn Mountain Wilderness Study Area, Huerfano and Pueblo Counties, Colorado: U.S. Geological Survey Open-File Report 83-467.

#### **Hunter-Fryingpan Wilderness and Porphyry Mountain Wilderness study area**

- Ludington, Steve, and Ellis, C. E., 1981, Mineral resource potential of the Hunter-Fryingpan Wilderness and the Porphyry Mountain Wilderness study area, Pitkin County, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1236-D, scale 1:50,000.

#### **Indian Peaks Wilderness**

- Pearson, R. C., and U.S. Bureau of Mines, 1980, Mineral resources of the Indian Peaks study area, Boulder and Grand Counties, Colorado, with a section on Interpretation of aeromagnetic data, by Gordon Johnson: U.S. Geological Survey Bulletin 1463, 109 p.

#### **La Garita Wilderness**

- Steven, T. A., and Bieniewski, C. L., 1977, Mineral resources of the La Garita Wilderness, San Juan Mountains, southwestern Colorado: U.S. Geological Survey Bulletin 1420, 65 p.

#### **Maroon Bells-Snowmass Wilderness and additions**

- Boreck, D. L., and Murray, D. K., 1979, Colorado coal reserves depletion data and coal mine summaries: Colorado Geological Survey Open-File Report 79-1.
- Bryant, Bruce, 1971, Disseminated sulfide deposits in the Eastern Elk Mountains, Colorado: U.S. Geological Survey Professional Paper 750-D, p. D13-D25.

#### **Maroon Bells-Snowmass Wilderness and additions--continued**

- \_\_\_\_\_. 1979, Geology of the Aspen 15-minute Quadrangle, Pitkin and Gunnison Counties, Colorado: U.S. Geological Survey Professional Paper 1073.
- Freeman, V. L., Campbell, D. L., King, H. D., Weisner, R. C., and Bieniewski, C. L., in press, Mineral resource potential map of the Maroon Bells-Snowmass Wilderness and additions, Gunnison and Pitkin Counties, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1647-A.
- Gaskill, D. L., and Godwin, L. H., 1966, Geologic map of the Marble Quadrangle, Gunnison and Pitkin Counties, Colorado: U.S. Geological Survey Geologic Quadrangle Map GQ-512.
- Hanks, T. L., 1962, Geology and coal deposits, Ragged-chair Mountain area, Pitkin and Gunnison Counties, Colorado: Brigham Young University Geology Studies, v. 9, pt. 9, p. 137-160.

#### **Mount Zirkel Wilderness and vicinity**

- Snyder, G. L., Hopkins, R. T., Jr., Domenico, J. A., Frisken, J. G., and Mitchell, J., 1981, Analysis of samples of rock and stream sediment samples from the Mount Zirkel Wilderness and Northern Park Range vicinity, Jackson and Routt Counties, Colorado: U.S. Geological Survey Open-File Report 81-186.
- Snyder, G. L., Patten, L. L., and Daniels, J. J., in press, Mineral resources of the Mount Zirkel Wilderness and northern Park Range vicinity, Jackson and Routt Counties, Colorado: U.S. Geological Survey Bulletin 1554.

#### **Oh-Be-Joyful Wilderness Study Area**

- Ludington, Steve, and Ellis, C. E., 1983, Maps showing geology and mineral resource potential of the Oh-Be-Joyful Wilderness Study Area, Gunnison County, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1582-A, scale 1:24,000.

#### **Piedra Wilderness Study Area**

- Bush, A. L., Condon, S. M., Franczyk, K. J., and Brown, S. D., in press, Mineral resource potential map of the Piedra Wilderness Study Area, Archuleta and Hinsdale Counties, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1630-A.

#### **Rawah Wilderness**

- Pearson, R. C., McCallum, M. E., Griswold, M. L., and Patten, L. L., 1982, Mineral resources of the Rawah Wilderness, Larimer County, Colorado: U.S. Geological Survey Open-File Report 82-376, 27 p.

#### **Sangre de Cristo Wilderness Study Area**

- Ellis, C. E., Hannigan, B. J., and Thompson, J. R., 1983, Mineral investigation of the Sangre de Cristo Wilderness Study Area, Alamosa, Custer, Fremont, Huerfano, and Saguache Counties, Colorado: U.S. Bureau of Mines Open-File Report MLA 65-83.
- Johnson, B. R., Lindsey, D. A., Ellis, C. E., Hannigan, B. J., and Thompson, J. R., in press, Mineral resource potential map of the Sangre de Cristo Wilderness Study Area, south-central Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1635-A, scale 1:62,500.

### **Service Creek Roadless Area**

- Kluender, S. A., 1982, Mineral resource investigation of the Service Creek Roadless Area, Routt County, Colorado: U.S. Bureau of Mines Open-File Report MLA 123-82, scale 1:62,500.
- Schmidt, P. W., Lovering, T. G., and Kluender, in press, Geologic and mineral resource potential map of the Service Creek Roadless Area, Routt County, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1639, scale 1:48,000.
- Snyder, G. L., 1980, Geologic map of the northernmost Gore Range and southernmost Northern Park Range, Grand, Jackson, and Routt Counties, Colorado: U.S. Geological Survey Miscellaneous Investigations Series Map I-1114, scale 1:48,000.

### **Spanish Peaks Wilderness Study Area**

- Budding, K. E., and Lawrence, V. A., 1983, Geochemical maps of the Spanish Peaks Wilderness Study Area, Huerfano and Las Animas Counties, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1542-B, scale 1:50,000.
- Budding, K. E., Lawrence, V. A., and Kluender, S. E., 1983, Mineral resource potential map of the Spanish Peaks Wilderness Study Area, Huerfano and Las Animas Counties, Colorado: U.S. Geological Survey Miscellaneous Field Studies Report MF-1542-C, scale 1:50,000.
- Colorado Mineral Resources Board, 1947, Mineral resources of Colorado, Part I, Metals, nonmetals, and fuels, prepared under the supervision of J. W. Vanderwilt: Colorado Mineral Resources Board, Denver, 290 p.
- Hills, R. C., 1901, Spanish Peaks folio: U.S. Geological Survey Geologic Atlas Folio Series No. 71, 7 p.
- Smith, R. P., 1979, Early rift magmatism at Spanish Peaks, Colorado, in Riecker, R. E., ed., Rio Grande Rift--Tectonics and magmatism: American Geophysical Union, p. 313-321.

### **Uncompahgre Primitive Area**

- Burbank, W. S., Ludeke, R. G., and Ward, F. N., 1972, Arsenic as an indicator element for mineralized volcanic pipes in the Red Mountains area, western San Juan Mountains, Colorado: U.S. Geological Survey Bulletin 1364, 31 p.
- Fischer, R. P., Luedke, R. G., Sheridan, M. J., and Raabe, R. G., 1968, Mineral resources of the Uncompahgre primitive area, Colorado: U.S. Geological Survey Bulletin 1261-C, 91 p.
- Fisher, F. S. and Leedy, W. P., 1973, Geochemical characteristics of mineralized breccia pipes in the Red Mountain district, San Juan Mountains, Colorado: U.S. Geological Survey Bulletin 1381, 43 p.
- Popenoe, Peter, and Luedke, R. G., 1970, Interpretation of the aeromagnetic pattern of the Uncompahgre primitive area, San Juan Mountains, Colorado: U.S. Geological Survey Open-File Report, 26 p.

### **Study areas contiguous to the Uncompahgre Primitive Area**

- Steven, T. A., Lipman, P. W., Fisher, F. S., Bieniewski, C. L., and Meeves, H. C., 1977, Mineral resources of study areas contiguous to the Uncompahgre Primitive Area, San Juan Mountains, southwestern Colorado: U.S. Geological Survey Bulletin 1391-C, 126 p.

### **Vasquez Peak Wilderness study area, and St. Louis Peak and Williams Fork Roadless Areas**

- Bielski, A. M., Kreidler, T. J., and Hamm, L. W., 1983, Mineral investigation of the Vasquez Peak Wilderness Study Area, and St. Louis Peak and Williams Fork Roadless Areas, Clear Creek, Grand, and Summit Counties, Colorado: U.S. Bureau of Mine Open-File Report MLA 67-83.
- Theobald, P. K., Bielski, A. M., Eppinger, R. G., Moss, C. K., Kreidler, T. J., and Barton, H. N., 1983, Mineral resource potential map of the Vasquez Peak Wilderness study area, and the Williams Fork and St. Louis Peak Roadless Areas, Clear Creek, Grand, and Summit Counties, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1588-A.

### **Weminuche Wilderness**

- Schmitt, L. J., and Raymond, W. H., 1977, Geology and mineral deposits of the Needle Mountains district, southwestern Colorado: U.S. Geological Survey Bulletin 1434, 40 p.
- Steven, T. A., Schmitt, L. J., Jr., Sheridan, M. J., and Williams, F. E., 1969, Mineral resources of the San Juan Primitive Area, Colorado: U.S. Geological Survey Bulletin 1261-F, 187 p.

### **West Elk Wilderness**

- Gaskill, D. L., Rosenbaum, J. G., King, H. D., Meeves, H. C., and Bieniewski, K. L., 1977, Mineral Resources of the West Elk Wilderness and vicinity, Delta and Gunnison Counties, Colorado: U.S. Geological Survey Open-File Report 77-751, 111 p.
- Gaskill, D. L., Mutschler, F. E., and Bartleson, B. L., 1981, West Elk volcanic field, Gunnison and Delta Counties, Colorado, in Epis, R. C., Western Slope Colorado: New Mexico Geological Society Field Conference Guidebook, p. 305-316.

### **West Needle Wilderness Study Area**

- Barker, Fred, 1968, Gold investigations in Precambrian clastic and pelitic rocks, southwestern Colorado and northern New Mexico: U.S. Geological Survey Bulletin 1272-F, 22 p.
- Burns, L. K., Ethridge, F. G., Tyles, N., Gross, A. S., and Campo, 1980, Geology and uranium evaluation of the Precambrian quartz-pebble conglomerates of the Needle Mountains, southwest Colorado: U.S. Department of Energy Report GJBX-118(80).
- Scott, D. C., 1983, Mineral investigation of the West Needle Wilderness Study Area and the BLM West Needle Contiguous Wilderness Study Area, La Plata and San Juan Counties, Colorado: U.S. Bureau of Mines Open-File Report MLA 35-83, 47 p.
- Van Loenen, R. E., and Scott, D. C., in press, Mineral resource potential map of the West Needle Wilderness Study Area, San Juan and La Plata Counties, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1632-A, scale 1:50,000.

### **Wheeler Wilderness Study Area**

- Raymond, W. H., Crock, J. G., and Bieniewski, C. L., 1983, Maps showing geology and mineral resource potential of the Wheeler Wilderness Study Area, Mineral County, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1571, scale 1:50,000.
- Steven, T. A., and Ratté, J. C., 1973, Geologic map of the Creede quadrangle, Mineral and Saguache Counties, Colorado: U.S. Geological Survey Geologic Quadrangle Map GQ-1053, scale 1:62,500.
- Steven, T. A., and Bieniewski, C. L., 1977, Mineral resources of the La Garita Wilderness, San Juan Mountains, southwestern Colorado, with a section on Geophysical investigation by G. P. Eaton. U.S. Geological Survey Bulletin 1420, 65 p.

### **Wilson Mountains Wilderness**

- Bromfield, C. S. and Williams, F. E., 1972, Mineral resources of the Wilson Mountains Primitive Area, Colorado: U.S. Geological Survey Bulletin 1353-A, 79 p.

## **FLORIDA**

### **Bradwell Bay Wilderness and the Sopchoppy River Wilderness study area**

Cameron, C. C., Mory, P. C., Cathcart, J. B., and Gerachi, P. J., 1977, Mineral resources of the Bradwell Bay Wilderness and the Sopchoppy River Study Area, Wakulla County, Florida: U.S. Geological Survey Bulletin 1431, 37 p.

### **Clear Lake Roadless Area**

- Applegate, A. V., Pontigo, F. A., Jr., and Rooke, J. H., 1978, Jurassic Smackover oil and gas prospects in the Apalachicola embayment: The Oil and Gas Journal, January 23, p. 80-84.
- Babcock, Clarence, 1972, Oil and gas activities in Florida, 1970: Florida Bureau of Geology Information Circular 80, 82 p.
- Crandall, T. M., 1982, Mineral investigations of the Clear Lake RARE II Further Planning Area, Leon County, Florida: U.S. Bureau of Mines Open File Report MLA 71-82, 20 p.
- Hendry, C. W., Jr., and Sproul, C. R., 1966, Geology and ground-water resources of Leon County, Florida: Florida Geological Survey Bulletin 47, 178 p.
- Hendry, C. W., Jr., Patterson, S. H., Crandall, T. M., and Sweeney, J. W., 1982, Mineral resource potential map of the Clear Lake Roadless Area, Leon County, Florida: U.S. Geological Survey Miscellaneous Field Studies Map MF-1479.

### **Farles Prairie and Buck Lake Roadless Areas**

- Cathcart, J. B., and Patterson, S. H., 1983, Geologic map of the Farles Prairie and Buck Lake Roadless Areas, Marion County Florida: U.S. Geological Survey Miscellaneous Field Studies Map MF-1591-A, scale 1:24,000.
- Cathcart, J. B., Patterson, S. H., and Crandall, T. M., 1983, Mineral resource potential map of the Farles Prairie and Buck Lake Roadless Areas, Marion County, Florida: U.S. Geological Survey Miscellaneous Field Studies Map MF-1591-B, scale 1:24,000.
- Crandall, T.M., 1982, Mineral resources of Farles Prairie and Buck Lake RARE II further planning areas, Marion County, Florida: U.S. Bureau of Mines Open-File Report MLA 46-82, 19 p.

### **Natural Area Roadless Area**

- Crandall, T. M., 1981, Mineral resources of the Natural Area RARE II further planning area; Baker County, Florida: U.S. Bureau of Mines Open-File Report MLA 30-81, 22 p.
- Cathcart, J. B., Patterson, S. H., and Crandall, T. M., 1983, Mineral resource potential map of the Natural Area Roadless Area: U.S. Geological Survey Miscellaneous Field Studies Map MF-1572-B, scale 1:24,000.
- Patterson, S. H., Cathcart, J. B., Cameron, C. C., and Schruben, P. G., 1983, Geology of the Natural Area and the Big Gum Swamp Roadless Areas, Osceola National Forest, Columbia and Baker Counties, Florida: U.S. Geological Survey Miscellaneous Field Studies Map MF-1572-A, scale 1:24,000.

**Savannah Roadless Area**

- Crandall, T. M., 1982, Mineral investigations of the Savannah RARE II Further Planning Area, Leon County, Florida: U.S. Bureau of Mines Open File Report MLA 71-82, 20 p.
- Patterson, S. H., Schmidt, Walter, and Crandall, T. M., 1982, Mineral resource potential map of the Savannah Roadless Area, Liberty County, Florida: U.S. Geological Survey Miscellaneous Field Studies Map MF-1470, scale 1:24,000.

## GEORGIA

### **Big Frog Wilderness Study Area and Additions, Tennessee and Georgia**

- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, S., Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians--COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, no. 12, p. 563-567.
- Slack, J. F., Gazdik, G. C., and Dunn, M. L., Jr., 1982, Mineral resources of the Big Frog Wilderness Study Area and additions, Polk County, Tennessee, and Fannin County, Georgia: *U.S. Geological Survey Bulletin* 1531, 25 p.

### **Blood Mountain Roadless Area**

- Armstrong, M. K., and Sabin, A. E., 1983, Mineral investigation of Blood Mountain RARE II Further Planning Area and Raven Cliff RARE II Wilderness Area, Lumpkin, Union, and White Counties, Georgia: *U.S. Bureau of Mines Open-File Report* MLA 2-83, 22 p.
- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, Sidney, Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the Crystalline southern Appalachians; COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, no. 12, p. 563-567.
- Koeppen, R. P., Nelson, A. E., Armstrong, M. K., and Sabin, A. E., 1983, Mineral resource potential map of the Blood Mountain Roadless Area, Union and Lumpkin Counties, Georgia: *U.S. Geological Survey Miscellaneous Field Studies Map* MF-1503-C, 1:30,000.
- Koeppen, R. P., and Nelson, A. E., 1983, Geochemical survey of the Blood Mountain Roadless Area, Union and Lumpkin Counties, Georgia: *U.S. Geological Survey Miscellaneous Field Studies Map* MF-1503-B, 1:30,000.
- Lesure, F. G., and Shirley, L. E., 1968, Mica, in Mineral resources of the Appalachian region: *U.S. Geological Survey Professional Paper* 580, p. 311-325.
- Nelson, A. E., 1982, Geologic map of the Tray Mountain Roadless Area: *U.S. Geological Survey Miscellaneous Field Studies Map* MF-1347-A, scale 1:30,000.
- Nelson, A. E., 1983, Geologic map of the Blood Mountain Roadless Area, Union and Lumpkin Counties, Georgia: *U.S. Geological Survey Miscellaneous Field Studies Map* MF-1503-A, scale 1:30,000.

### **Chattahoochee Roadless Area**

- Koeppen, R. P., and Nelson, A. E., 1983, Geochemical survey of the Chattahoochee Roadless Area, Towns, Union, and White Counties, Georgia: *U.S. Geological Survey Miscellaneous Field Studies Map* MF-1502-B, scale 1:30,000.
- Nelson, A. E., 1983, Geologic map of the Chattahoochee Roadless Area, Towns, Union, and White Counties, Georgia: *U.S. Geological Survey Miscellaneous Field Studies Map* MF-1502-A, scale 1:30,000.
- Nelson, A. E., Koeppen, R. P., Welsh, R. A., Jr., and Mikolajczyk, R. W., 1983, Mineral resource potential map of the Chattahoochee Roadless Area, Towns, Union, and White Counties, Georgia: *U.S. Geological Survey Miscellaneous Field Studies Map* MF-1502-C, scale 1:30,000.

#### **Chattahoochee Roadless Area--continued**

Welsh, R. A. Jr., and Mikolajczyk, R. W., 1982, Mineral investigation of Chattahoochee River RARE II Further Planning Area, Towns, Union, and White Counties, Georgia: U.S. Bureau of Mines Open-File Report MLA 140-82, 25 p.

#### **Cohutta Wilderness, Georgia and Tennessee, and Hemp Top Roadless Area**

Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, Sidney, Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians--COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, p. 563-567.

Gair, J. E., Gazdik, G. C., and Dunn, M. L., Jr., 1982, Mineral resource potential map of the Cohutta Wilderness and the Hemp Top Roadless Area, northern Georgia and southeastern Tennessee: U.S. Geological Survey Miscellaneous Field Studies Map MF-1415-C, scale 1:48,000.

Gair, J. E., and Slack, J. F., 1982, *Geology of the Cohutta Wilderness and the Hemp Top Roadless Area, northern Georgia and southeastern Tennessee*: U.S. Geological Survey Miscellaneous Field Studies Map MF-1415-A, scale 1:48,000.

Gair, J. E., 1982, *Geochemical survey of the Cohutta Wilderness and Hemp Top Roadless Area, northern Georgia and southeastern Tennessee*: U.S. Geological Survey Miscellaneous Field Studies Map MF-1415-B, scale 1:48,000.

#### **Ellicott Rock Wilderness and Additions, South Carolina, North Carolina, and Georgia**

Bell, Henry, III, and Luce, R. W., 1982, *Geologic map of the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia*: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-B, scale 1:48,000.

Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, Sidney, Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians; COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, no. 12, p. 563-567.

Gazdik, G. C., 1982, Map showing mines, prospects, and mineral sites in the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-E.

Luce, R. W., Bell, Henry, III, and Gazdik, G. C., 1982a, *Geochemical maps of the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia*: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-A, scale 1:48,000.

\_\_\_\_\_, 1982b, Mineral resource potential map of the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-D, scale 1:48,000.

Luce, R. W., and Daniels, D. L., 1982, *Aeromagnetic map and selected aeroradiometric data for the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia*: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-C, scale 1:48,000.

**Ellicott Rock Wilderness and Additions, South Carolina, North Carolina, and Georgia--continued**

Siems, D. F., Meier, A. L., Luce, R. W., and Bell, Henry III, 1981, Analyses and descriptions of geochemical samples, Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Open-File Report 81-594, 37 p.

**Overflow Roadless Area, Georgia and North Carolina**

- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, S. Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians--COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, no. 12, p. 563-567.
- Davis, M. P., 1982, Mineral resources of the Overflow further planning area, Rabun County, Georgia, and Macon County, North Carolina: U.S. Bureau of Mines, Open-File Report MLA 31-82.
- Galpin, S. L., 1915, A preliminary report on the feldspar and mica deposits of Georgia: *Georgia Geological Survey Bulletin* 30.
- Koeppen, R. P., Nelson, A. E., and Davis, M. P., in press, Mineral resource potential map of the Overflow Roadless Area, Rabun County, Georgia and Macon County, North Carolina: U.S. Geological Survey Miscellaneous Field Studies Map MF-1618-A, scale 1:48,000.
- Lesure, F. G. and Shirley, L. W., 1968, Mica, in Mineral resources of the Appalachian region: U.S. Geological Survey Professional Paper 580, p. 311-325.
- Mertie, J. B., Jr. 1979, Monazite in the granitic rocks of the southeastern Atlantic states--an example of the use of heavy minerals in geologic exploration: U.S. Geological Survey Professional Paper 1094, 79 p.
- Nelson, A. E., and Koeppen, R. P., 1983, Geologic map of the Overflow Roadless Area, Rabun County, Georgia and Macon County North Carolina: U.S. Geological Survey Miscellaneous Field Studies Map MF-1608-A, scale 1:48,000.
- Yeates, W. S., McCallie, S. W., and King, F. P., 1896, A preliminary report on a part of the gold deposits of Georgia: *Geological Survey of Georgia Bulletin* 4-A, p. 80-100.

**Rich Mountain Roadless Area**

- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, S., Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians; COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, no. 12, p. 563-567.
- Foose, M. P., 1983, Geology of the Rich Mountain Roadless Area, Gilmer and Fannin Counties, Georgia: U.S. Geological Survey Miscellaneous Field Studies MF-1586-A, scale 1:48,000.
- Foose, M. P., and Sears, C. M., 1983, Geochemical Survey of the Rich Mountain Roadless Area, Gilmer and Fannin Counties, Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1586-B.
- Foose, M. P. and Thompson, R. M., 1983, Mineral resource potential map of the Rich Mountain Roadless Area, Gilmer and Fannin Counties, Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1586-C, scale 1:48,000.

**Rich Mountain Roadless Area--continued**

Thompson, R. M., and Girol, V. P., 1982, Mineral Investigation of Rich Mountain RARE II Further Planning Area, Gilmer and Fannin Counties, Georgia: U.S. Bureau of Mines, Open-File Report MLA 141-82.

**Tray Mountain Roadless Area**

Chatman, M. L., 1982, Mineral investigation of Tray Mountain RARE II Further Planning Area, Rabun, Habersham, Towns, and White Counties, Georgia: U.S. Bureau of Mines Open-File Report MLA 145-82, 39 p.

\_\_\_\_\_, 1983, Map showing mines and prospects in the Tray Mountain Roadless Area, Rabun, Habersham, Towns, and White Counties, Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1347-C, scale 1:30,000.

Koeppen, R. P., and Nelson, A. E., 1983, Geochemical survey of the Tray Mountain Roadless Area, Rabun, Habersham, Towns, and White Counties, Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1347-B, scale 1:30,000.

Nelson, A. E., 1982, Geologic map of the Tray Mountain Roadless Area, northern Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1347-A.

Nelson, A. E., Koeppen, R. P., and Chatman, M. L., 1983, Mineral resource potential map of the Tray Mountain Roadless Area, Rabun, Habersham, Towns, and White Counties, Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1347-D, scale 1:30,000.

## IDAHO

### **Blue Joint Wilderness Study Area, Montana, and Blue Joint Roadless Area, Idaho**

Lund, Karen, Rehm, W. M., and Benham, J. R., 1983, Mineral resource potential map of the Blue Joint Wilderness Study Area, Ravalli County, Montana, and the Blue Joint Roadless Area, Lemhi County, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1557-A, scale 1:50,000.

### **Boulder-Pioneer Wilderness study area**

U.S. Geological Survey and U.S. Bureau of Mines, 1981, Mineral resources of the Boulder-Pioneer Wilderness study area, Blaine and Custer Counties, Idaho: U.S. Geological Survey Bulletin 1497, 303 p.

### **Centennial Mountains Wilderness study area, Montana and Idaho**

Lyden, C. J., 1948, The gold placers of Montana: Montana Bureau of Mines and Geology Memoir 26.

Martin, R. A. 1982, Geophysical survey of the Centennial Mountains Wilderness Study Area and contiguous areas, Beaverhead County, Montana, and Clark and Fremont Counties, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1342C, scale 1:100,000.

Witkind, I. J., 1972, Geologic map of the Henrys Lake quadrangle, Idaho and Montana: U.S. Geological Survey Miscellaneous Investigation Series I-781-A, scale 1:62,500.

\_\_\_\_\_, 1976, Geologic map of the southern part of the Upper Red Rock Lake quadrangle, southwestern Montana and adjacent Idaho: U.S. Geological Survey Miscellaneous Investigations Series I-943, scale 1:62,500.

\_\_\_\_\_, 1982, Geologic map of the Centennial Mountains Wilderness Study Area and contiguous areas, Beaverhead County, Montana, and Clark and Fremont Counties, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1342-A, scale 1:50,000.

Witkind, I. J., and Prostka, H. J., 1980, Geologic map of the southern part of the Lower Red Rock Lake quadrangle, Idaho and Montana: U.S. Geological Survey Miscellaneous Investigations Series I-1216, scale 1:62,500.

Witkind, I. J., Huff, L. C., Ridenour, James, Conyac, M. D., and McCulloch, R. B., 1981, Mineral resource potential map of the Centennial Mountains Wilderness Study Area and contiguous areas, Idaho and Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1342-B, scale 1:50,000.

### **Hells Canyon Study Area, Oregon and Idaho**

Gaultieri, J. L., and Simmons, G. C., 1978, Preliminary geologic map of the Hells Canyon area, Adams, Nez Perce, and Idaho Counties, Idaho, and Wallowa County, Oregon: U.S. Geological Survey Open-File Report 78-805.

Simmons, G. C., Gaultieri, J. L., Close, T. J., Federspiel, F. E., and Leszykowski, A. M., 1983, Mineral resource potential of the Hells Canyon Wilderness and contiguous roadless areas, Wallowa County, Oregon, and Idaho and Adams Counties, Idaho: U.S. Geological Survey Open-File Report 83-397.

### **Idaho Wilderness**

- Cater, F. W., Pinckney, D. M., Hamilton, W. B., and Parker, R. L., Weldin, R. D., Close, T. J., and Zilka, N. T., 1973, Mineral resources of the Idaho Primitive Area and Vicinity, Idaho, with a section on the Thunder Mountain district by B. F. Leonard, and a section on Aeromagnetic interpretation by W. E. Davis: U.S. Geological Survey Bulletin 1304, 431 p.
- Cater, F. W., and Pinckney, D. M., Stotelmeyer, R. B., 1975, Mineral resources of the Clear Creek-Upper Big Deer Creek study area, contiguous to the Idaho Primitive Area, Lemhi County, Idaho: U.S. Geological Survey Bulletin 1391-C, 41 p.

### **Italian Peak and Italian Peak Middle Roadless Areas, Idaho and Montana**

- Lambeth, R. H., and Mayerle, R. T., 1983, Mineral investigations of the Italian Peak RARE II Area (No. I-1945), Beaverhead County, Montana, and Italian Peak Middle Roadless II AREA (No. M-4945), Clark and Lemhi Counties, Idaho: U.S. Bureau of Mines Open-File Report MLA 53-83, 26 p.
- Skipp, Betty, Antweiler, J. C., Kulik, D. M., Lambeth, R. H., and Mayerle, R. T., 1983, Mineral resource potential map of the Italian Peak and Italian Peak Middle Roadless Areas, Beaverhead County, Montana, and Clark and Lemhi Counties, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1601-A, scale 1:62,500.
- U.S. Geological Survey, 1981 [1982], Aeromagnetic map of the Italian Peak area, Idaho and Montana: U.S. Geological Survey Open-File Report 81-1162, scale 1:62,500.

### **Mount Naomi Roadless Area, Utah and Idaho**

- Dover, J. H., and Bigsby, P. R., 1983, Mineral resource potential map of Mount Naomi Roadless Area, Cache County, Utah, and Franklin County, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1566-A, scale 1:100,000.
- McHugh, J. B., 1981, Analytical results for 60 water samples from Mount Naomi Wilderness study area, Utah-Idaho: U.S. Geological Survey Open-File Report 81-196.

### **Salmo-Priest Wilderness study area, Washington and Idaho**

- Miller, F. K., 1982, Geologic map of Salmo-Priest wilderness study area (RARE E6-981 A1-981), Pend Oreille County, Washington and Boundary County Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF 1192-A, scale 1:48,000.
- Miller, F. K., Schmauch, S. W., and Rodriguez, E. A., 1982, Mineral resource potential map of the Salmo-Priest Wilderness study area, Pend Oreille County, Washington and Boundary County, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF 1192-C, scale 1:48,000.
- Miller, F. K., and Theodore, T. G., 1982, Molybdenum and tungsten mineralization associated with two stocks in the Harvey Creek area, northeastern Washington: U.S. Geological Survey Open-File Report 82-295, 24 p.
- Pitkin, J. A., and Duval, J. S., 1980, Interpretation of an aerial radiometric and magnetic survey of the Salmo-Priest study area (RARE-E6-981 A1-981), Pend Oreille County, Washington and Boundary County Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF 1192-B, scale 1:48,000.

### **Salmon River Breaks Primitive Area and vicinity**

Weis, P. L., Schmitt, L. J., Jr., and Tuckek, E. T., 1972, Mineral resources of the Salmon River Breaks Primitive Area, Idaho: U.S. Geological Survey Bulletin 1353-C, 91 p.

### **Eastern part of the Sawtooth National Recreation Area**

Tschanz, C. M., Kiilsgaard, T. H., Seeland, D. A., Mabey D. R., Frischknecht, F. C., Van Noy, R. M., Ridenour, James, Zilka, N. T., Federspiel, F. E., Evans, R. K., Tuckek, E. T., and McMahan, A. B., 1974, Mineral resources of the eastern part of the Sawtooth National Recreation Area, Custer and Blaine Counties, Idaho: U.S. Geological Survey Open-file report, 667 p.

### **Sawtooth Wilderness**

Kiilsgaard, T. H., Freeman, V. L., and Coffman, J. S., 1970, Mineral resources of the Sawtooth Primitive Area: U.S. Geological Survey Bulletin 1319-D, 174 p.

Reid, R. R. 1963, Reconnaissance geology of the Sawtooth Range: Idaho Bureau of Mines and Geology Pamphlet 21, 17 p.

### **Scotchman Peak Wilderness study area, Montana and Idaho**

Earhart, R. L., Kleinkopf, M. D., Wilson, D. M., Grimes, D. J., and Zilka, N. T., 1981, Mineral resources of the Scotchman Peak Wilderness study area, Lincoln and Sanders Counties, Montana and Bonner County, Idaho: U.S. Geological Survey Bulletin 1467, 73 p.

### **Selkirk Roadless Area**

Miller, F. K., 1983a, Geologic map of the Selkirk study area (A1-125, B1-125, C1-125, D1-125) Boundary County, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map, MF-1447-A, scale 1:48,000.

\_\_\_\_\_, 1983b, Geochemical map of the Selkirk study area (A1-125, B1-125, C1-125, and D1-125), Boundary County, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map, MF-1447-B, scale 1:48,000.

Miller, F. K., and Benham, J. R., 1983, Mineral resource potential of the Selkirk Roadless Area, Bonner County, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map, MF-1447-C, scale 1:48,000 (in press).

### **Selway-Bitterroot Wilderness, Idaho and Montana**

Coxe, B. W., and Toth, M. I., 1983, Geochemical maps of the Selway-Bitterroot Wilderness, Idaho County, Idaho, and Missoula and Ravalli Counties, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1495-C, scale 1:125,000.

Coxe, B. W., Mosier, E. L., and McDougal, C. M., 1982, Analyses of rocks and stream sediments from the Selway-Bitterroot Wilderness Area, Idaho County, Idaho, and Missoula and Ravalli Counties, Montana: U.S. Geological Survey report; available from the U.S. Department of Commerce, National Technical Information Service, Springfield, VA 22161, as Report PB 82-253386.

Koesterer, M. E., Bartel, A. J., Elsheimer, H. N., Baker, J. W., King, B. S., and Espos, L. F., 1982, Major-element XRF spectroscopy analyses from the Selway-Bitterroot Wilderness, Idaho County, Idaho, and Missoula and Ravalli Counties, Montana: U.S. Geological Survey Open-File Report 82-1023, 36 p.

### **Selway-Bitterroot Wilderness, Idaho and Montana--continued**

- Toth, M. I., 1983, Reconnaissance Geologic Map of the Selway-Bitterroot Wilderness, Idaho County, Idaho and Missoula and Ravalli Counties, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1495-B, scale 1:125,000.
- Toth, M. I., Coxe, B. W., Zilka, N. T., and Hamilton, M. M., 1983, Mineral resource potential of the Selway-Bitterroot Wilderness, Idaho County, Idaho and Missoula and Ravalli Counties, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1495-A, scale 1:125,000.
- Zilka, N. T., and Hamilton, M. M., 1982, Mineral investigation of the Selway-Bitterroot Wilderness, Idaho County, Idaho and Missoula and Ravalli Counties, Montana: U.S. Bureau of Mines Mineral Land Assessment Report MLA 102-82, 14 p.

### **Special Mining Management Zone--Clear Creek**

- Bennett, E. H., 1977, Reconnaissance geology and geochemistry of the Blackbird Mountain-Panther Creek region, Lemhi County Idaho: Idaho Bureau of Mines and Geology Pamphlet No. 167, 108 p.
- \_\_\_\_\_, 1980, Granitic rocks of Tertiary age in the Idaho batholith and their relation to mineralization: Economic Geology, v. 75, p. 278-288.
- Evans, K. V., and Zartman, R. E., 1981, U-Th-Pb zircon geochronology of Proterozoic Y granitic intrusions in the Salmon area, east-central Idaho: Geological Society of America Abstracts With Programs, v. 13, no. 4, p. 195.
- Hughes, G. B., 1982, The basinal setting of the Blackbird District cobalt deposits, Lemhi County, Idaho: Denver Regional Exploration Geologists Society Symposium, p. 21-28.
- Lund, Karen, Evans, K. V., and Esparza, L. E., 1983, Mineral resource potential map of the Special Mining Management Zone--Clear Creek, Lemhi County, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1576-A, scale 1:50,000.

### **Ten Mile West Roadless Area**

- Benham, J. R., and Avery D. W., 1983, Mineral investigation of the Ten Mile West RARE II Area (No. 4061), Boise and Elmore Counties, Idaho: U.S. Bureau of Mines Open-File Report MLA 63-83.
- Kiilsgaard, T. H., 1983a, Geologic map of the Ten Mile West Roadless Area, Boise and Elmore Counties, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1500-A.
- \_\_\_\_\_, 1983b, Geochemical map of the Ten Mile West Roadless Area, Boise and Elmore Counties, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1500-B.
- \_\_\_\_\_, 1983c, Analytical determinations from samples taken in the Ten Mile West Roadless Area, Boise and Elmore Counties, Idaho: U.S. Geological Survey Open-File Report 82-1099.
- Kiilsgaard, T. H., Benham, J. R., and Avery, D. W., 1983, Mineral resource potential map of the Ten Mile West Roadless Area, Boise and Elmore Counties, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1500-C, scale 1:62,500.

#### **Ten Mile West Roadless Area--continued**

Kiilsgaard, T. H., Freeman, V. L., and Coffman, J. S., 1970, Mineral resources of the Sawtooth Primitive Area: U.S. Geological Survey Bulletin 1319-D, 174 p.

#### **Upper Priest Roadless Area**

Miller, F. K., 1983, Geology and Geochemistry of the Upper Priest Roadless Area (A1-123), Bonner County, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1448-A, scale 1:48,000.

Miller, F. K., Denton, D. K., Jr., 1983, Mineral resource potential map of the Upper Priest Roadless Area (A1-123), Bonner County Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1448-B, scale 1:48,000.

#### **White Cloud-Boulder Roadless Area**

Dover, J. H., Berry, W.B.N., and Ross, R. J., Jr., 1980, Ordovician and Silurian Phi Kappa and Trail Creek formations, Pioneer Mountains, central Idaho--stratigraphic and structural revisions and new data and graptolite faunas: U.S. Geological Survey Professional Paper 1090, 54 p.

Fisher, F. S., May, G. D., McIntyre, D. H., Johnson, F. L., 1983, Mineral resource potential, geologic and geochemical maps of part of the White Cloud-Boulder Roadless Area, Custer County, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1580.

U.S. Geological Survey and U.S. Bureau of Mines, 1981, Mineral resources of the Boulder-Pioneer Wilderness study area, Custer and Blaine Counties, Idaho: U.S. Geological Survey Bulletin 1497, 303 p.

## ILLINOIS

### **Burden Falls Roadless Area**

- Klasner, J. S. 1983, Geologic map of the Burden Falls Roadless Area, Pope County, Illinois: U.S. Geological Survey Miscellaneous Field Studies Map MF-1565-A.
- Klasner, J. S. and Day, G. W., 1983, Geochemical survey of the Burden Falls Roadless Area, Pope County, Illinois: U.S. Geological Survey Miscellaneous Field Studies Map MF-1565-B.
- Klasner, J. S., Kehn, T. M., and Thompson, R. M., 1983, Mineral Resource Potential Map of the Burden Falls Roadless Area, Pope County, Illinois: U.S. Geological Survey Miscellaneous Field Studies Map MF-1565-C, scale 1:24,000.
- Thompson, R. M., 1982, Mineral resource investigation, Burden Falls RARE II Further Planning Area, Pope County, Illinois: U.S. Bureau of Mines Open File Report MLA 32-81, 13 p.
- Weller, J. M., 1940, Geology and oil possibilities of extreme southern Illinois: Illinois State Geological Survey Report of Investigation 71, 71 p.

### **Lusk Creek Roadless Area**

- Grogan, R. M., and Bradbury, J. C., 1967, Origin of stratiform fluorite deposits of southern Illinois: Economic Geology Monography 3, p. 40-50.
- Klasner, J. S., 1982, Geologic map of the Lusk Creek Roadless Area, Pope County, Illinois: U.S. Geological Survey Miscellaneous Field Studies Map MF-1405-A, scale 1:24,000.
- Klasner, J. S. and Day G. W., 1982, Geochemical Survey of the Lusk Creek Roadless Area, Pope County, Illinois. U.S. Geological Survey Miscellaneous Field Studies Map MF-1405-B, scale 1:24,000.
- Klasner, J. S., Thompson, R. M., and Kehn, R. M., 1982, Mineral resource potential map of the Lusk Creek Roadless Area, Pope County, Illinois: U.S. Geological Survey Miscellaneous Field Studies Map MF-1405-C, scale 1:24,000.
- Thompson, R. M., 1982, Mineral resource investigation of Lusk Creek RARE II Further Planning Area, Pope County, Illinois: U.S. Bureau of Mines Open File Report MCA 6-82, 28 p.
- Trace, R. P., 1974, Illinois-Kentucky fluorspar district in a symposium on the geology of fluorspar: Forum on geology of industrial minerals, 9th Proceedings, Kentucky Geological Survey, series X, Special Publication 22, p. 58-76.

## KENTUCKY

### Beaver Creek Wilderness

- Englund, K. J., and Teaford, N. K., 1981, Geologic map of the Beaver Creek Wilderness, McCreary County, Kentucky: U.S. Geological Survey Miscellaneous Field Studies Map MF-1348-A, scale 1:50,000.
- Englund, K. J., and Johnson, P. L., Hammack, R. W., and Ross, R. B., Jr., 1983, Mineral resource potential maps of the Beaver Creek Wilderness, McCreary County, Kentucky: U.S. Geological Survey Miscellaneous Field Studies Map MF-1348-D, scale 1:50,000.
- Grosz, A. E., and Siems, D. F., 1982, Geochemical survey of the Beaver Creek Wilderness, McCreary County, Kentucky: U.S. Geological Survey Miscellaneous Field Studies Map MF-1348-B, scale 1:50,000.
- Hammack, R. W., 1983, Map showing mines, prospects, and exposures in the Beaver Creek Wilderness, McCreary County, Kentucky: U.S. Geological Survey Miscellaneous Field Studies Map MF-1348-C, scale 1:50,000.

### Troublesome Roadless Area

- Grosz A.E., and Siems, D. F., 1981, Geochemical survey of the Troublesome Roadless Area, McCreary County, Kentucky: U.S. Geological Survey Miscellaneous Field Studies Map MF-1341-B.
- Sigleo, W. R. and Randall, A. H., 1981, Geologic map of the Troublesome Roadless Area, McCreary County, Kentucky: U.S. Geological Survey Miscellaneous Field Studies Map MF-1341-A, scale 1:50,000.
- Sigleo, W. R., Randall, A. H., Ross, R. B., and Hammack, R. W., 1981, Mineral resource potential of the Troublesome Roadless Area, McCreary County, Kentucky: U.S. Geological Survey Miscellaneous Field Studies Map MF-1341-C.

## LOUISIANA

### **Kisatchie Hills Wilderness**

Haley, B. R. and Ryan, G. S., 1983, Mineral resource potential map of the Kisatchie Hills Wilderness, Natchitoches Parish, Louisiana: U.S. Geological Survey Open-File Report 83-495.

Ryan, G. S., 1982, Mineral investigation of the Kisatchie Hills Wilderness, Natchitoches Parish, Louisiana: U.S. Bureau of Mines Open-File Report MLA 135-82, 4 p.

## **MICHIGAN**

### **Rock River Canyon Wilderness Study Area**

Whitlow, J. W., Geraci, P. J., Morey, P. C., and King, E. R., 1978, Mineral resources of the Rock River Canyon Wilderness study area: U.S. Geological Survey Open-File Report 78-527, 45 p.

### **Sturgeon River Wilderness Study Area**

Cannon, W. F., King, E. R., Hill, J. J., and Mory, P. C., 1980, Mineral resources of the Sturgeon River Wilderness study area, Houghton and Baraga Counties, Michigan: U.S. Geological Survey Bulletin 1465, 49 p.

## MISSISSIPPI

### **Sandy Creek Roadless Area**

Craft, W. C., 1966, Channel sands are the key to Wilcox oil: Oil and Gas Journal, v. 64, no. 15, p. 124-130.

Haley, B. R., Bitar, R. F., and Crandall, T. M., 1983, Mineral resource potential map of the Sandy Creek Roadless Area, Adams County, Mississippi: U.S. Geological Survey Open-File Report 83-496.

Mason, B. B., 1971, Summary of possible future petroleum potential of region 6, Western Gulf Basin: in Future petroleum provinces of the United States--their geology and potential: American Association of Petroleum Geologists, Memoir 15, p. 805-812.

## MISSOURI

### **Bell Mountain Wilderness Study Area**

Pratt, W. P., Erickson, R. L., and Ellis, Clarence, 1982, Mineral-resource potential map of the Bell Mountain Wilderness study area, Iron County, Missouri: U.S. Geological Survey Miscellaneous Field Studies Map MF-1178-B, scale 1:24,000.

### **Hercules Glades Wilderness**

Miller, M. H., and Chesson, S. A., 1982, Geochemical map of Hercules Glades Wilderness, Taney County, Missouri: U.S. Geological Survey Miscellaneous Field Studies Map MF-1377-B, scale 1:50,000.

Miller, M. H., Chesson, S. A., and Ryan, G. S., 1982, Mineral resource potential map of Hercules Glade Wilderness, Taney County, Missouri: U.S. Geological Survey Miscellaneous Field Studies Map MF-1377-C, scale 1:50,000.

Miller, M. H., Thompson, K. C., and Chesson, S. A., 1981, Geologic map of the Hercules Glades Wilderness and adjacent areas, Taney County, Missouri: U.S. Geological Survey Miscellaneous Field Studies Map MF-1377-A, scale 1:50,000.

### **Irish Wilderness Roadless Area**

Erickson, R. L., Mosier, E. L., Viets, J. G., 1978, Generalized geologic and summary maps of the Rolla 1°x 2° quadrangle, Missouri: U.S. Geological Survey Miscellaneous Field Studies Map MF-1004-A, scale 1:250,000.

Heyl, A. V., Odland, S. K., Moss, C. K., and Ryan, G. S., 1983, Mineral resource potential map of the Irish Wilderness Roadless Area: U.S. Geological Survey Miscellaneous Field Studies Map MF-1151, scale 1:24,000.

Kisvarsanyi, E. B., 1975, Data on Precambrian in drill holes of Missouri including rock types and surface configuration: Missouri Division of Geology and Land Survey Report of Investigations 56, 20 p.

### **Paddy Creek Wilderness Study Area**

Erickson, R. L., Mosier, E. L., Odland, S. K., and Erickson, M. S., 1981, A favorable belt for possible mineral discovery in subsurface Cambrian rocks in southern Missouri: Economic Geology, v. 76, no. 4, p. 921-933.

Pratt, W. P., ed., 1981, Metallic mineral-resource potential of the Rolla 1°x2° quadrangle, Missouri, as appraised in September 1980: U.S. Geological Survey Open-File Report 81-518, 77 p.

Pratt, W. P., Mosier, E. L., and Ellis, Clarence, 1981, Geology and mineral resources of the Paddy Creek Wilderness Study Area, Texas County, Missouri: U.S. Geological Survey Miscellaneous Field Studies Map MF-1286, scale 1:24,000.

### **Piney Creek Wilderness**

Erickson, R. L., Mosier, E. L., Odland, S. K., and Erickson, M. S., 1981, A favorable belt for possible mineral discovery in subsurface Cambrian rocks in southern Missouri: Economic Geology v. 76, no. 4, p. 921-933.

**Piney Creek Wilderness--continued**

Pratt, W. P., Thomson, K. C., Erickson, R. L., and Ellis, Clarence, 1982, Geologic, geochemical, and mineral-resource-potential map of the Piney Creek Wilderness, Stone and Barry Counties, Missouri: U.S. Geological Survey Miscellaneous Field Studies Map MF-1494, scale 1:24,000.

**Rock Pile Mountain Wilderness Study Area**

Pratt, W. P., Erickson, R. L., and Ellis, Clarence, 1982, Mineral-resource potential map of the Rock Pile Mountain Wilderness Study Area, Madison County, Missouri: U.S. Geological Survey Miscellaneous Field Studies Map MF-1339-B, scale 1:24,000.

## MONTANA

### **Absaroka Primitive Area and vicinity**

- Cox, D. P., 1982, A generalized empirical model for porphyry copper deposits, in Erickson, R. L., compiler, Characteristics of mineral deposit occurrences: U.S. Geological Survey Open-File Report 82-795, p. 27-32.
- Rubel, D. N., 1971, Independence volcano--A major Eocene eruptive center, northern Absaroka volcanic province: Geological Society of America Bulletin, v. 82, no. 9, p. 2473-2494.
- Sawkins, F. J., and Rye, D. M., 1971, On the relationship of certain Precambrian gold deposits to iron formation [abs.]: Economic Geology, v. 66, no. 6, p. 981.
- Wedow, Helmuth, Jr., Gaskill, D. L., Bannister, D'A. P., and Pattee, E. C., 1975, Mineral resources of the Absaroka Primitive Area and vicinity, Park and Sweet Grass Counties, Montana, with a section on Interpretation of geophysical data, by D. L. Peterson: U.S. Geological Survey Bulletin 1391-B, p. B1-B115.

### **Anaconda-Pintlar Wilderness**

- Elliott, J. E., Wallace, C. A., O'Neill, J. M., Hanna, W. F., Rowan, L. C., Segal, D. B., Zimbelman, D. R., Pearson, R. C., Close, T. J., Federspiel, F. E., Causey, J. D., Willett, S. L., Morris, R. W., and Huffsmith, J. A., in press, Mineral resource potential map of the Anaconda-Pintlar Wilderness, Granite, Deer Lodge, Beaverhead, and Ravalli Counties, Montana: U.S. Geological Survey Miscellaneous Field Studies Map-1633-A.

### **Beartooth Primitive Area and vicinity, Montana and Wyoming**

- Simons, F. S., and Armbrustmacher, T. J., Van Noy, R. M., Zilka, N. T., Federspiel, F. E., and Ridenour, James, 1979, Mineral resources of the Beartooth Primitive Area and vicinity, Carbon, Park Stillwater, and Sweet Grass Counties, Montana, and Park County, Wyoming: U.S. Geological Survey Bulletin 1391-F, 125 p.

### **Big Snowies Wilderness Study Area and contiguous roadless areas**

- Desborough, G. A., Poole, F. G., and Green, G. N., 1981, Metalliferous oil shales in central Montana and northeastern Nevada: U. S. Geological Survey Open-File Report 81-121, 14 p.
- Lindsey D. A. 1980, Reconnaissance geologic map and sections of the Big Snowies Wilderness and contiguous RARE II study areas, Fergus, Golden Valley, and Wheatland Counties, Montana: U. S. Geological Survey Miscellaneous Field Studies Map MF-1243-A, scale 1:100,000.
- Lindsey, D. A. Federspiel, F. E., and Huffsmith, J. D., 1982, Mineral potential of the Big Snowies Wilderness and contiguous (RARE II) study area, Fergus, Golden Valley, and Wheatland Counties, Montana: U. S. Geological Survey Miscellaneous Field Studies Map MF-1243-E, scale 1:100,000.
- Long, C. L., 1981, Complete Bouguer gravity map of the Big Snowies Wilderness and contiguous RARE II study areas, Fergus, Golden Valley, and Wheatland Counties, Montana: U. S. Geological Survey Miscellaneous Field Studies Map MF-1243-C, scale 1:100,000.

**Blue Joint Wilderness Study Area, Montana, and Blue Joint Roadless Area, Idaho**  
Lund, Karen, Rehm, W. M., and Benham, J. R., 1983, Mineral resource potential map of the Blue Joint Wilderness Study Area, Ravalli County Montana, and the Blue Joint Roadless Area, Lemhi County, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1557-A, scale 1:50,000.

**Cabinet Mountains Wilderness**

U. S. Geological Survey and U. S. Bureau of Mines, 1981, Mineral resources of the Cabinet Mountains Wilderness, Lincoln and Sanders Counties, Montana, U. S. Geological Survey Bulletin 1501, 77 p.

**Centennial Mountains Wilderness study area, Montana and Idaho**

Lyden, C. J., 1948, The gold placers of Montana: Montana Bureau of Mines and Geology, Memoir 26.

Martin, R. A., 1982, Geophysical survey of the Centennial Mountains Wilderness Study Area and contiguous areas, Beaverhead County, Montana, and Clark and Fremont Counties, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1342C, scale 1:100,000.

Witkind, I. J., 1972, Geologic map of the Henrys Lake quadrangle, Idaho and Montana: U.S. Geological Survey Miscellaneous Investigation Series I-781-A, scale 1:62,500.

\_\_\_\_\_, 1976, Geologic map of the southern part of the Upper Red Rock Lake quadrangle, southwestern Montana and adjacent Idaho: U.S. Geological Survey Miscellaneous Investigations Series I-943, scale 1:62,500.

\_\_\_\_\_, 1982, Geologic map of the Centennial Mountains Wilderness Study Area and contiguous areas, Beaverhead County, Montana, and Clark and Fremont Counties, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1342-A, scale 1:50,000.

Witkind, I. J., and Prostka, H. J., 1980, Geologic map of the southern part of the Lower Red Rock Lake quadrangle, Idaho and Montana: U.S. Geological Survey Miscellaneous Investigations Series I-1216, scale 1:62,500.

Witkind, I. J., Huff, L. C., Ridenour, James, Conyac, M. D., and McCulloch, R. B. 1981, Mineral resource potential map of the Centennial Mountains Wilderness Study Area and contiguous areas, Idaho and Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1342-B, scale 1:50,000.

**Charles M. Russell Wildlife Refuge**

Frahme, C. W., Rice, D. D., Miller, M. S., Schumacher, O. L., and Rigby, J. G., 1979, Mineral resources of the Charles M. Russell Wildlife Refuge, Fergus, Garfield, McCone, Petroleum, Phillips, and Valley Counties, Montana: U.S. Geological Survey Open-File Report 79-1204, 178 p.

**Dolus Lakes Roadless Area**

Douglas, J. K., 1973, Geophysical investigations of the Montana Lineament: University of Montana, unpublished M.S. thesis.

Elliott, J. E., Waters, M. R., Campbell, W. L., and Avery, D. W., in press, Geologic and mineral resource potential map of the Dolus Lakes Roadless Area, Granite and Powell Counties, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1640-A.

#### **Dolus Lakes Roadless Area--continued**

- Erickson, G. E., Leinz, R. W., and Marks, L. Y., 1981, Mineral resources of the Flint Creek Range Wilderness study area, Granite and Powell Counties, Montana: U.S. Geological Survey Open-File Report 81-1095, 6 p.
- Lyden, C. J., 1948, The gold placers of Montana: Montana Bureau of Mines and Geology Memoir 26, 152 p.

#### **Eastern Pioneer Mountains**

- Berger, B. R., Breit, G. N., Siems, D. F., Welsch, E. P., and Speckman, W. S., 1979, A geochemical survey of mineral deposits and stream deposits in the East Pioneer Wilderness Study Area, Beaverhead County, Montana: U.S. Geological Survey Open-File Report 79-1079, 128 p.
- Pearson, R. C., Berger, B. R., and Hanna, W. F., 1983, Mineral resources of the Eastern Pioneer Mountains, Beaverhead County, Montana: U.S. Geological Survey Open-File Report 83-507.

#### **Elkhorn Wilderness Study Area**

- U.S. Geological Survey and U.S. Bureau of Mines, 1978, Mineral resources of the Elkhorn Wilderness study area, Montana: U.S. Geological Survey Open-File Report 78-235, 342 p.

#### **Flint Creek Range Wilderness study area**

- Emmons, W. H., and Calkins, F. C., 1913, Geology and ore deposits of the Philipsburg quadrangle, Montana: U.S. Geological Survey Professional Paper 78, 271 p.
- Erickson, G. E., Leinz, R. W., and Marks, L. Y., 1981, Mineral resources of the Flint Creek Range Wilderness study area, Granite and Powell Counties, Montana: U.S. Geological Survey Open-File Report 81-1095, 6 p.

#### **Gallatin Divide Roadless Area**

- Simons, F. S., Van Loenen, R. E., Moore, S. L., Close, T. J., Causey J. D., Willett, S. L., and Rumsey, C. M., 1983, Mineral resource potential map of the Gallatin Divide Roadless Area, Gallatin and Park Counties, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1569-A, scale 1:126,720 (in press).

#### **Gates of the Mountains Wilderness and additions**

- Reynolds, M. W., and Close, R. J., in press, Mineral resource potential map of the Gates of the Mountains Wilderness, Lewis and Clark County, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1642-A.

#### **Italian Peak and Italian Peak Middle Roadless Areas, Idaho and Montana**

- Lambeth, R. H., and Mayerle, R. T., 1983, Mineral investigations of the Italian Peak RARE II Area (No. I-1945), Beaverhead County, Montana, and Italian Peak Middle RARE II AREA (No. M-4945), Clark and Lemhi Counties, Idaho: U.S. Bureau of Mines Open-File Report MLA 53-83, 26 p.
- Skipp, Betty, Antweiler, J. C., Kulik, D. M., Lambeth, R. H., and Mayerle, R. T., 1983, Mineral resource potential map of the Italian Peak and Italian Peak Middle Roadless Areas, Beaverhead County, Montana, and Clark and Lemhi Counties, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1601-A, scale 1:62,500.

**Italian Peak and Italian Peak Middle Roadless Areas, Idaho and Montana--**  
continued

U.S. Geological Survey, 1981 [1982], Aeromagnetic map of the Italian Peak area, Idaho and Montana: U.S. Geological Survey Open-File Report 81-1162, scale 1:62,500.

**Jack Creek basin**

Becraft, G. E., Kilsgarrd, T. H., and Van Noy, R. M., 1970, Mineral resources of the Jack Creek basin, Madison County, Montana: U.S. Geological Survey Bulletin 1319-B, 24 p.

**Madison Roadless Area**

Lambeth, R. H., Schmauch, S. W., Mayerle, R. T., and Hamilton, M. W., 1982, Mineral investigations of the Madison RARE II Areas (No. 1549, Parts E, J, N, R, and S), Madison and Gallatin Counties, Montana: U.S. Bureau of Mines Open-File Report MLA 81-82, 32 p.

Simons, F. S., Van Loenen, R. E., Tysdal, R. G., Lambeth, R. H., Schmauch, S. W., Mayerle, R. T., and Hamilton, M. M., 1983, Mineral resource potential map of the Madison Roadless Area, Gallatin and Madison Counties, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1605-A.

Swanson, R. W., 1970, Mineral resources in Permian rocks of southwest Montana: U.S. Geological Survey Professional Paper 313-E, p. 661-777.

**Middle Fork of the Judith River Wilderness Study Area**

Reynolds, M. W., Kleinkopf, M. D., Hamilton, Michael, and Mayerle, Ronald, in press, Mineral resource potential map of the Middle Fork of the Judith River Wilderness Study Area, Judith Basin and Cascade Counties, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1641-A.

**Middle Mountain-Tobacco Root Roadless Area**

James, H. L., and Hedge, C. E., 1980, Age of basement of southwestern Montana: Geological Society America Bulletin, v. 91, pt. 1, p. 11-15

Johns, W. J., 1961, The geology and mineral deposits of the Tidal Wave Mining District, Madison County, Montana: Montana Bureau of Mines and Geology Memoir, 53 p.

O'Neill, J. M., 1983a, Geologic map of the Middle Mountain-Tobacco Root Roadless Area, Madison County, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1590-A, scale 1:50,000.

\_\_\_\_\_, 1983b, Geochemical map of the Middle Mountain-Tobacco Root Roadless Area, Madison County, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1590-B, scale 1:50,000.

\_\_\_\_\_, 1983c, Mineral resource potential map of the Middle Mountain-Tobacco Root Roadless Area, Madison County, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1590-C, scale 1:50,000.

O'Neill, J. M., Siems, D. F., Welsch, E. P., and Speckman, W. W., 1980, Geochemical analyses of stream sediments of the Middle Mountain-Tobacco Root Further Planning Area (RARE II), Madison County, Montana: U.S. Geological Survey Open-File Report 80-720, 6 p.

Reid, R. R., 1957, Geology of the Tobacco Root Mountains: Montana Bureau of Mines and Geology Memoir, 27p.

### **Middle Mountain-Tobacco Root Roadless Area--continued**

- Schmidt, C. J., 1975, An analysis of folding and faulting in the northern Tobacco Root Mountains, southwestern Montana: University of Indiana, unpublished Ph.D. thesis, 480 p.
- Schmidt, C. J., and O'Neill, J. Michael, 1983, Structural evolution of the central Montana transverse zone in R. Powers, editor, Rocky Mountain Association Geologists Symposium, Powers, R. ed., in press.
- Tansley, W., Schafer, P. A., and Hart, L. H., 1933, A geological reconnaissance of the Tobacco Root Mountains, Madison County, Montana: Montana Bureau of Mines and Geology Memoir 9, 57 p.

### **Mission Mountains Wilderness**

- Harrison, J. E., Reynolds, M. W., Kleinkopf, M. D., and Pattee, E. C., 1969, Mineral resources of the Mission Mountains Primitive Area, Missoula and Lake Counties, Montana: U.S. Geological Survey Bulletin 1261-D, 48 p.

### **Mount Henry Roadless Area**

- Bankey, Viki, Kleinkopf, M. D., and Hoover, Donald, 1983, Geophysical studies of the Mount Henry Roadless Area, Lincoln County, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1534-C, scale 1:50,000.
- Siems, D. F., Leinz R. W., Van Loenen, R. E., Wadsworth, Gail, and McDougal, C. M., 1983, Reconnaissance geochemical map of the Mount Henry Roadless Area, Lincoln County, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1534-B, scale 1:50,000.
- Van Loenen, R. E. 1983, Geologic map of Mount Henry Roadless Area, Lincoln County, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1534-A, scale 1:50,000.
- Van Loenen, R. E. Siems, D. F., Bankey, Viki, and Conyac, M. D., 1983, Mineral resource potential map of the Mount Henry Roadless Area, Lincoln County, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1534-D, scale 1:50,000.

### **North Absaroka study area**

- Elliott, J. E., Gaskill, D. L., Raymond, W. H., and Peterson, D. L., 1983, Chapter A--Geological, geochemical, and geophysical investigations of the North Absaroka study area, Park and Sweet Grass Counties, Montana, in Mineral Resources of the North Absaroka study area, Park and Sweet Grass Counties, Montana: U.S. Geological Survey Bulletin 1505 (in press).
- Hallager, W. S., 1982, Geology of an Archean stratiform gold deposit near Jardine, Montana [abs.]: Proceedings of Symposium on the genesis of Rocky Mountain ore deposits by Denver Region Exploration Geologists Society, November 4-5, Denver, Colorado.
- Rye, D. M., and Rye, R. O., 1974, Homestake Gold Mine, South Dakota, I. Stable isotope studies: Economic Geology, v. 69, no. 3, pp. 293-317.
- Seager, G. F., 1944, Gold, arsenic, and tungsten deposits of the Jardine-Crevasse Mountain district, Park County, Montana: Montana Bureau of Mines and Geology Memoir 23, 111 p.

#### **North Absaroka study area--continued**

- Simons, F. S., Armbrustmacher, T. J., Van Noy, R. M., Zilka, N. T., Federspiel, F. E., and Ridenous, James, 1973, Mineral resources of the Beartooth primitive area and vicinity, Carbon, Park, Stillwater, and Sweet Grass Counties, Montana, and Park County, Wyoming, with a section on Interpretation of aeromagnetic data, by L. A. Anderson: U.S. Geological Survey Bulletin 1391-F, 125 p.
- Stotelmeyer, R. B., Johnson, F. L., Lindsey, D. S., Ridenour, James, and Schmauch, S. W., 1983, Chapter B--Economic appraisal fo the North Absaroka study area, Park and Sweet Grass Counties, Montana in Mineral resources of the North Absaroka study area, Park and Sweet Grass Counties, Montana: U.S. Geological Survey Bulletin 1505 (in press).
- Wedow, Helmuth, Jr., Gaskill, D. L., Banister, D. P., and Patte, E. C., 1975, Mineral resources of the Absaroka primitive area and vicinity, Park and Sweet Grass Counties, Montana, with a section on Interpretation of geophysical data by D. L. Peterson: U.S. Geological Survey Bulletin 1391-B, 115 p.

#### **Rattlesnake Roadless Area**

- Campbell, W. L., McDanal, S. K., and Hopkins, R. T., 1981, Analytical results for 130 rock, 135 stream sediment and soil, and 110 panned concentrate samples from the Rattlesnake Wilderness study area, Missoula County Montana: U.S. Geological Survey Open-File Report 81-1219, 32 p.
- Kulik, Dolores, M. 1983, Interpreted complete Bouger gravity and aeromagnetic maps of the Rattlesnake Wilderness study area, Missoula County, Montana: U.S. Geological Survey Miscellaneous Field Studies Map, MF-1235-B, scale 1:50,000.
- Wallace, C. A., and Lidke, D. J., 1980, Geologic map of the Rattlesnake Wilderness study area, Missoula County, Montana: U.S. Geological Survey Miscellaneous Field Studies Map, MF-1235-A, scale 1:50,000.
- Wallace, C. A., Lidke, D. J., Kulik, D. M., Campbell, W. L., Antweiler, J. C., and Mayerle, R. L., 1983, Mineral resource potential map of the Rattlesnake Roadless Area, Missoula County, Montana: U.S. Geological Survey Miscellaenous Field Studies Map MF-1235-D.

#### **Sapphire Wilderness Study Area and contiguous roadless areas**

- Bannister, D. P., Close, T. J., McColloch, R. B., and Mayerle, R. T., 1983, Mineral investigation of the Sapphires RARE II Area (No. 1421), Granite and Ravalli Counites, Montana: U.S. Bureau of Mines Open-File Report 69-83, 19 p.
- Campbell, W. L., Hopkins, R. T., Lee, G. K., and Antweiler, J. C., 1983, Analytical results and sample locality map for 340 rock, 322 stream-sediment and soil, and 263 panned-concentrate samples from the Sapphire Wilderness Study Area, Granite and Ravalli Counties, Montana: U.S. Geological Survey Open-File Report 83-196, 74 p.
- Wallace, C. A., Lidke, D. J., Elliott, J. E., Antweiler, J. C., Campbell, W. L., Hassemer, J. H., Hanna, W. F., Bannister, D. P., and Close, T. J., 1983, Mineral resource potential map of the Sapphire Wilderness Study Area and contiguous roadless areas, Granite and Ravalli Counties, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1469-B, scale 1:50,000.

**Sapphire Wilderness Study Area and contiguous roadless areas--continued**

Wallace, C. A., Lidke, D. J., and Obradovich, J. D., 1982, Geologic map of the Sapphire Wilderness and contiguous roadless area, Granite and Ravalli Counties, Montana: U.S. Geological Survey Miscellaneous Investigations Map MF-1469-A.

**Scapegoat Wilderness and additions, Bob Marshall and Great Bear Wildernesses, and adjacent study areas**

Mudge, M. R., Earhart, R. L., Kleinkopf, M. D., Rice, D. D., Claypool, G. E., and Marks, L. Y., 1978, Mineral resources of the Bob Marshall Wilderness and study area, Lewis and Clark, Teton, Pondera, Flathead, Lake, Missoula, and Powell Counties, Montana: U.S. Geological Survey Open-File Report 78-295, 268 p.

Mudge, M. R., Earhart, R. L., and Marks, L. Y., 1982, Mineral resource potential of the Reservoir-North and Deep Creek Roadless Areas, Teton County, Montana: U.S. Geological Survey Open-File Report 82-988, 13 p.

Mudge, M. R., Earhart, R. L., Watts, K. C., Tuckek, E. T., and Rice, W. L., 1974, Mineral resources of the Scapegoat Wilderness, Powell and Lewis and Clark Counties, Montana with a section on Geophysical surveys by Donald L. Peterson: U.S. Geological Survey Bulletin 1385-B, 82 p.

Earhart, R. L., Grimes, D. J., Leinz, R. W., and Marks, L. Y., 1977, Mineral resources of the proposed additions to the Scapegoat Wilderness, Powell and Lewis and Clark Counties, Montana: U.S. Geological Survey Bulletin 1430, 62 p.

**Scotchman Peak Wilderness study area, Montana and Idaho**

Earhart, R. L., Kleinkopf, M. D., Wilson, D. M., Grimes, D. J., and Zilka, N. T., 1981, Mineral resources of the Scotchman Peak Wilderness study area, Lincoln and Sanders Counties, Montana and Bonner County, Idaho: U.S. Geological Survey Bulletin 1467, 73 p.

**Selway-Bitterroot Wilderness, Idaho and Montana**

Coxe, B. W., 1983, Geochemical maps of the Selway-Bitterroot Wilderness, Idaho County, Idaho, and Missoula and Ravalli Counties, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1495-C, scale 1:125,000.

Coxe, B. W., Mosier, E. L., and McDougal, C. M., 1982, Analyses of rocks and stream sediments from the Selway-Bitterroot Wilderness Area, Idaho County, Idaho, and Missoula and Ravalli Counties, Montana: U.S. Geological Survey report; available from the U.S. Department of Commerce, National Technical Information Service, Springfield, VA 22161, as Report PB 82-253386.

Koesterer, M. E., Bartel, A. J., Elsheimer, H. N., Baker, J. W., King, B. S., and Espos, L. F., 1982, Major-element XRF spectroscopy analyses from the Selway-Bitterroot Wilderness, Idaho County, Idaho, and Missoula and Ravalli Counties, Montana: U.S. Geological Survey Open-File Report 82-1023, 36 p.

Toth, M. I., 1983, Reconnaissance Geologic Map of the Selway-Bitterroot Wilderness, Idaho County, Idaho and Missoula and Ravalli Counties, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1495-B, scale 1:125,000.

### **Selway-Bitterroot Wilderness, Idaho and Montana--continued**

- Toth, M. I., Coxe, B. W., Zilka, N. T., and Hamilton, M. M., 1983, Mineral resource potential of the Selway-Bitterroot Wilderness, Idaho County, Idaho and Missoula and Ravalli Counties, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1495-A, scale 1:125,000.
- Zilka, N. T., and Hamilton, M. M., 1982, Mineral investigation of the Selway-Bitterroot Wilderness, Idaho County, Idaho and Missoula and Ravalli Counties, Montana: U.S. Bureau of Mines Mineral Land Assessment Report MLA 102-82, 14 p.

### **Spanish Peaks Primitive Area**

- Becraft, G. E., Calkins, J. A., Pattee, E. C., Weldin, R. D., and Roche, J. M., 1966, Mineral resources of the Spanish Peaks Primitive Area, Montana: U.S. Geological Survey Bulletin 1230-B, 45 p.

### **Ten Lakes Wilderness Study Area**

- Johns, W. M., 1970, Geology and mineral deposits of Lincoln and Flathead Counties, Montana: Montana Bureau of Mines and Geology Bulletin 79, 182 p.
- Whipple, J. W., Perry W. J., Leinz, R. W., Hamilton, M. M., and Avery D. W., 1983, Mineral resource potential map of the Ten Lakes Wilderness Study Area, Lincoln County, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1589-A.

### **Welcome Creek Wilderness**

- Close, T. J., 1982, Mineral resources of the Welcome Creek Wilderness, Granite County, Montana: U.S. Bureau of Mines Open-File Report MLA 17-82, 14 p.
- Hassemer, J. H., 1981, Principal facts and complete Bouguer gravity anomaly map for the west half of the Butte 1<sup>0</sup> by 2<sup>0</sup> quadrangle, Montana: U.S. Geological Survey Open-File Report 81-949, 39 p.
- Lidke, D. J., Wallace, C. A., Close, T. J., Antweiler, J. C., Campbell, W. L., Hassemer, J. H., and Hanna, W. F., in press, Mineral resource potential map of the Welcome Creek Wilderness, Granite County, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1620-A, scale 1:50,000.
- Lyden, C. J., 1948, The gold placers of Montana: Montana Bureau of Mines and Geology Memoir 26, v. 15, 99 p.

### **West Pioneer Wilderness Study Area**

- Berger, B. R., Snee, L. W., Hanna, William, and Benham, J. H., 1983, Mineral resource potential map of the West Pioneer Wilderness Study Area, Beaverhead County, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-1585-A, scale 1:48,000.

## NEVADA

### **Charles Sheldon Antelope Range and Sheldon National Antelope Refuge Nevada and Oregon**

Cathrall, J. B., Greene, R. C., Plouff, Donald, Siems, D. F., Crenshaw, G. L., and Cooley, E. F., Tuckek, E. T., Johnson, F. J., and Conyac, M. D., in press, Mineral resources of the Charles Sheldon Wilderness study area, Humboldt and Washoe Counties, Nevada, and Lake and Harney Counties, Oregon: U.S. Geological Survey Bulletin 1538.

### **Highland Ridge Roadless Area**

Whitebread, D. H., 1982, Geologic map of the Wheeler Peak and Highland Ridge Further Planning Areas, White Pine County, Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1343-A, scale 1:62,500.

Whitebread, D. H., Carlson, R. R., Moss, C. K., Kluender, Steve, Brown, Donald, 1983, Mineral resource potential map of the Wheeler Peak and Highland Ridge Roadless Areas, White Pine County, Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1343-B, scale 1:62,500.

### **Jarbridge Wilderness**

Coats, R. R., Green, R. C., and Cress, L. D., and Marks, L. Y., 1977, Mineral resources of the Jarbridge Wilderness and adjacent areas, Elko County, Nevada: U.S. Geological Survey Bulletin 1439, 79, p.

### **Lincoln Creek Roadless Area**

John, D. A., Chaffee, M. A., and Stebbins, S. A., 1983, Mineral resource potential map of the Lincoln Creek Roadless Area, Douglas County, Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1545, scale 1:62,500.

### **Mount Moriah Roadless Area**

Carlson, R. R., Martin, R. A., and Wood, R. H., in press, Mineral resource potential map of the Mount Moriah Roadless Area, White Pine County, Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1244-B, scale 1:62,500.

Hose, R. K., 1981, Geologic map of the Mount Moriah Further Planning (RARE II) Area, Eastern Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1244-A, scale 1:62,500.

Hose, R. K., Blake, M. C., and Smith, R. M., 1976, Geology and mineral resources of White Pine County, Nevada: Nevada Bureau of Mines and Geology Bulletin 85, 105 p.

Wood, R. H., 1983, Mineral investigation map of the Mt. Moriah Roadless Area, White Pine County, Nevada: U.S. Bureau of Mines, Open-File Report MLA 50-83.

### **Sugarloaf Roadless Area**

- Crowder, D. F., Robinson, P. T., and Harris, D. L., 1972, Geologic map of the Benton Quadrangle, Mono County, California and Esmeralda and Mineral Counties, Nevada: U.S. Geological Survey Quadrangle Map, GQ-1018, scale 1:62,500.
- Donahoe, J. L., and Chaffee, M. A., 1983, Geochemical anomaly map of the Sugarloaf Roadless Area, Esmeralda and Mineral Counties, Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1400-B scale 1:62,500.
- McKee, E. H., 1982, Geologic map of the Sugarloaf Roadless Area, Esmeralda County, Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1400-A, scale 1:62,500.
- McKee, E. H., Donahoe, J. L., Chaffee, M. A., Schmauch, S. W., Horn, M. C., Winters, R. A., 1983, Mineral resource potential map of the Sugarloaf Roadless Area, Esmeralda and Mineral Counties, Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1400-C, scale 1:62,500.

### **Sweetwater Roadless Area, California and Nevada**

- Brem, G. F., 1983, Geologic map of the Sweetwater Roadless Area, Mono County, California, and Lyon and Douglas Counties, Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1535-B, scale 1:62,500 (in press).
- Brem, G. F., Chaffee, M. A., Plouff, D., and Lambeth, R. H., 1983, Mineral resource potential map of the Sweetwater Roadless Area, Mono County, California, and Lyon and Douglas Counties, Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1535-A, scale 1:62,500 (in press).
- Lambeth, R. H., Campbell, H. W., Scott, D. F., and Spear, J. O., 1983, Mineral investigation of the Sweetwater RARE II area (No. 4657), Mono County, California, and Lyon and Douglas Counties, Nevada: U.S. Bureau of Mines Mineral Land Assessment Report MLA 69-83, 34 p.

### **Wheeler Peak Roadless Area**

- Whitebread, D. H., 1982, Geologic map of the Wheeler Peak and Highland Ridge Further Planning Areas, White Pine County, Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1343-A, scale 1:62,500.
- Whitebread, D. H., Carlson, R. R., Moss, C. K., Kluender, Steve, Brown, Donald, 1983, Mineral resource potential map of the Wheeler Peak and Highland Ridge Roadless Areas, White Pine County, Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1343-B, scale 1:62,500.

## NEW HAMPSHIRE

### **Wilderness and roadless areas in White Mountain National Forest**

- Barton, W. R., and Goldsmith, C. E., 1968, New England beryllium investigations: U.S. Bureau of Mines Report of Investigations 7070, p. 51-122.
- Billings, M. P., 1956, The geology of New Hampshire, Part II, Bedrock geology: Concord, New Hampshire State Planning and Development Commission, 203 p.
- Domenico, J. A., Howd, F. A., Hall-Santalla, P. A., and Gerstel, W. J., 1982, Spectrographic analyses and statistical summaries of nonmagnetic-heavy-mineral-concentrate samples from north-central New Hampshire: U.S. Geological Survey Open-File Report 82-866.
- Gazdik, G. C., Harris, L. E., Welsh, R. A., Jr., and Girol, V. P., in press, Mines, prospects, and mineral sites in and near the wildernesses and roadless areas of the White Mountain National Forest: U.S. Geological Survey Miscellaneous Field Studies Map MF-1594-C.
- Hatch, N. L., Jr., and Moench, R. H., 1983, Bedrock geologic map of the wildernesses, proposed wildernesses, and roadless areas of the White Mountain National Forest, Coos, Carroll and Grafton Counties, New Hampshire: U.S. Geological Survey Miscellaneous Field Studies Map MF-1594-A.
- Moench, R. H., Canney, F. C., and Gazdik, G. C., in press, Mineral resource potential map of the wildernesses and roadless areas in the White Mountain National Forest, New Hampshire: U.S. Geological Survey Miscellaneous Field Studies Map MF-1594-B.
- Olade, Moses, 1980, Geochemical characteristics of tin-bearing and tin-barren granites, northern Nigeria: Economic Geology, v. 75, no. 1, p. 71-82.
- Page, L. R., 1980, Guides to prospecting for uranium and thorium in New Hampshire and adjacent areas: U.S. Geological Survey Open-File Report 80-657.
- Read, H. H., 1948, Granites and granites: Geological Society of America Memoir 28, p. 1-19.
- Taylor, R. G., 1979, Geology of tin deposits: Elsevier, New York, 543 p.

## NEW MEXICO

### **Black Range Primitive Area**

Ericksen, G. E., Wedow, Helmut, Jr., Eaton, G. P., and Leland, G. R., 1970, Mineral resources of the Black Range Primitive Area, Grant, Sierra, and Catron Counties, New Mexico: U.S. Geological Survey Bulletin 1319-E, 162 p.

### **Blue Range Wilderness, Arizona and New Mexico**

Eaton, G. P., and Ratté, J. C., 1969, Significance of an aeromagnetic anomaly in the southwestern part of the Blue Range Primitive area, Arizona-New Mexico: U.S. Geological Survey Open-file report, 5 p.

Ratté, J. C., Landis, E. R., Gaskill, D. L., and Raabe, R. G., 1969, Mineral resources of the Blue Range Primitive area, Greenlee County, Arizona and Catron County, New Mexico, with a section on Aeromagnetic interpretation by G. P. Eaton, U.S. Geological Survey: U.S. Geological Survey Bulletin 1261-E, 91 p.

### **Bunk Robinson Peak and Whitmire Canyon Roadless Areas, New Mexico and Arizona**

Hayes, P. T., 1982, Geologic map of Bunk Robinson Peak and Whitmire Canyon Roadless Areas, Coronado National Forest, New Mexico and Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1425-A, scale 1:62,500.

Hayes, P. T., Watts, K. C., Hassemer, J. R., and Brown, S. D., 1983, Mineral resource potential map of Bunk Robinson Peak and Whitmire Canyon Roadless Areas, Hidalgo County, New Mexico and Cochise County Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1425-B, scale 1:62,500.

Watts, K. C., Hassemer, J. R., and Day, G. W., 1983, Geochemical maps of Bunk Robinson Peak and Whitmire Canyon Roadless Areas, Hidalgo County, New Mexico and Cochise County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1425-C, scale 1:62,500.

### **Caballo and Polvadera Roadless Areas**

Bailey, R. A., Smith, R. L., and Ross, C. S., 1969, Stratigraphic nomenclature of volcanic rocks in the Jemez Mountains, New Mexico: U.S. Geological Survey Bulletin 1274-P, 19 p.

Manley, Kim and Lane, M. E., 1983, Geologic and mineral resource potential maps of the Caballo and Polvadera Roadless Areas, Los Alamos and Rio Arriba Counties, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1516, scale 1:62,500.

Smith, R. L., Bailey, R. A., and Ross, C. S., 1970, Geologic map of the Jemez Mountains, New Mexico: U.S. Geological Survey Miscellaneous Geologic Investigations Series, I-571, scale 1:250,000.

### **Chama River Canyon Wilderness and contiguous roadless area**

- Chenoweth, W. L., 1974, Uranium occurrences in the Nacimiento-Jemez region, Sandoval and Rio Arriba Counties, New Mexico: New Mexico Geological Society, 25th Field Conference, Ghost Ranch, central-northern New Mexico, Silver Anniversary Guidebook, p. 309-314.
- Fitter, F. L., 1958, Stratigraphy and structure of the French Mesa area, Rio Arriba County, New Mexico: Albuquerque, University of New Mexico, unpublished M.S. thesis, 71 p.
- Green, M. W., and others, 1982, National uranium resource evaluation, Aztec Quadrangle, New Mexico and Colorado: U.S. Department of Energy Open-File Report PGJ/F-012(82), 88 p.
- Hilpert, L. S., 1969, Uranium resources of northwestern New Mexico: U.S. Geological Survey Professional Paper 603, 166 p.
- Light, T. D., 1983, Mines and prospect map of the Chama River Canyon Wilderness and contiguous roadless area, Rio Arriba County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF 1483-A, scale 1:48,000.
- Ridgley, J. L., 1982, Isopach and structure contour maps of the Burro Canyon(?) Formation in the Mesa Golondrino and Mesa de los Viejos areas, Chama Basin, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1496-A.
- Ridgley J. L., 1983a, Geologic map of the Chama River Canyon Wilderness and contiguous roadless area, Rio Arriba County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1523-C, scale 1:48,000.
- \_\_\_\_\_, 1983b, Geochemical map of the Chama River Canyon Wilderness and contiguous roadless area, Rio Arriba County New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1523-D, scale 1:48,000.
- Ridgley, J. L., and Light, T. D., 1983, Mineral resource potential map of the Chama River Canyon Wilderness and contiguous roadless area, Rio Arriba County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1523-B, scale 1:48,000.

### **Columbine-Hondo Wilderness study area and Wheeler Peak Wilderness**

- Ludington, Steve, Briggs, J. P., and Robertson, J. M., 1983, Mineral resource potential map of the Columbine-Hondo Wilderness Study Area, Taos County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1570-A, scale 1:50,000.

### **Gila Wilderness**

- Ratté, J. C., Gaskill, D. L., Eaton, G. P., and Peterson, D. L., Stotelmeyer, R. B., and Meeves, H. C., 1979, Mineral Resources of the Gila Primitive Area and Gila Wilderness, Catron and Grant Counties, New Mexico: U.S. Geological Survey Bulletin 1451, 228 p.

### **Guadalupe Escarpment Wilderness Study Area**

- Hayes, P. T., Light, T. D., and Thompson, J. R., 1983, Mineral resource potential and geologic map of Guadalupe Escarpment Wilderness Study Area, Eddy County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1560-A, scale 1:24,000.
- Light, T. D. and Domenico, J. A., 1983, Geochemical data for the Guadalupe Escarpment Wilderness Study Area, Eddy County, New Mexico: U.S. Geological Survey Open-File Report 83-7, 20 p.
- Thompson, J. R., 1983, Mineral investigation of the Guadalupe Escarpment Wilderness Study Area, Eddy County, New Mexico: U.S. Bureau of Mines Open-File Report MLA 41-83.

### **Hells Hole Roadless Area, Arizona and New Mexico**

- Hassemer, J. R., Watts, K. C., Forn, C. L., and Mosier, E. L., 1981, Methodology statistical analysis, and listing of the spectrographic analysis of geochemical samples of the Hells Hole Further Planning Area (RARE II), Greenlee County, Arizona, and Grant County, New Mexico: U.S. Geological Survey Open-File Report 81-661, 136 p.
- Lindgren, W. E., 1905, Description of the Clifton quadrangle, Arizona: U.S. Geological Survey Geologic Atlas, Folio 129, scale 1:62,500.
- Martin, R. A. 1981, Geophysical surveys of the Hells Hole Further Planning Area (RARE II), Greenlee County, Arizona, and Grant County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1344-B, scale 1:62,500.
- Ratté, J. C., Hassemer, J. R., and Martin, R. A., 1982, Mineral resource potential map of the Hells Hole Further Planning Area (RARE II), Greenlee County, Arizona and Grant County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1344E, scale 1:62,500.
- Ratté, J. C., and Hedlund, D. C., 1982, Geologic map of the Hells Hole Further Planning Area (RARE II), Greenlee County, Arizona, and Grant County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1344-A, Scale 1:62,500.
- Sillitoe, R. H., Halls, C., and Grant, J. N., 1975, Porphyry tin deposits in Bolivia: Economic Geology, v. 70, no. 5, p. 813-827.

### **Little Dog and Pup Canyons Roadless Area**

- Hayes, P. T., and Bigsby, P. R., 1983, Mineral resource potential and geologic map of the Little Dog and Pup Canyons Roadless Area, Otero County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1468, scale 1:50,000.

### **Lower San Francisco Wilderness study area and contiguous roadless areas, Arizona and New Mexico**

- Hatton, K. S., 1981, Geothermal energy in New Mexico's energy resources '80, annual report of Bureau of Geology in the mining and minerals division of New Mexico Energy and Minerals Department: New Mexico State Bureau of Mines and Mineral Resources Circular 181, p. 50-59.
- Muffler, L. P., editor, 1979, Assessment of geothermal resources of the United States--1978: U.S. Geological Survey Circular 790, 163 p.

**Lower San Francisco Wilderness study area and contiguous roadless areas,  
Arizona and New Mexico--continued**

- Ratté, J. C., Hassemer, J. R., Martin, R. A., and Lane, Michael E., Mineral resource potential of the Lower San Francisco Wilderness study area and contiguous roadless area, Arizona and New Mexico: U.S. Geological Survey, Miscellaneous Field Studies Map MF-1463-C, scale 1:62,500.
- Witcher, J. C., 1979, A geothermal reconnaissance study of the San Francisco River between Clifton, Arizona and Pleasanton, New Mexico, in Hahman, W. R. Geothermal studies in Arizona with two area assessments: U.S. Department of Energy report DOE/ID/12009-TI; available only from U.S. Department of Commerce National Technical Information Service, Springfield, Virginia 22161.

**Manzano Wilderness**

- Condie, K. C., and Budding, A. J., 1979, Geology and geochemistry of Precambrian rocks, central and south-central New Mexico: New Mexico Bureau of Mines and Mineral Resources Memoir 35, 58 p.
- Maxwell, C. H., and Wobus, R. A., 1982a, Geologic map of the Manzano Wilderness, Valencia and Torrance Counties, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1464-A, scale 1:50,000.
- \_\_\_\_\_, 1982b, Geochemical and geophysical maps of the Manzano Wilderness, Valencia and Torrance Counties, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1464-B, scale 1:50,000.
- Maxwell, C. H., Wobus, R.A., and Light, T. D., 1983, Mineral resource potential map of the Manzano Wilderness, Valencia and Torrance Counties, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1464-C, scale 1:50,000.
- Myers, D. A., and McKay, E. J., 1971, Geologic map of the Bosque Peak quadrangle, Torrance, Valencia, and Bernalillo Counties, New Mexico: U.S. Geological Survey Geologic Quadrangle Map GQ-948, scale 1:24,000.
- \_\_\_\_\_, 1972, Geologic map of the Capilla Peak quadrangle, Torrance and Valencia Counties, New Mexico: U.S. Geological Survey Geologic Quadrangle Map GQ-1008, scale 1:24,000.
- \_\_\_\_\_, 1974, Geologic map of the southwest quarter of the Torreon 15-minute quadrangle, Torrance and Valencia Counties, New Mexico: U.S. Geological Survey Miscellaneous Investigations Map I-820, scale 1:24,000.

**Pecos Wilderness**

- Fulp, M. S., 1982, Precambrian geology of the Dalton Canyon volcanic center, Santa Fe County, New Mexico: University of New Mexico, unpublished M.S. thesis, 199 p.
- Moench, R. H., and Erickson, M. S., 1980, Occurrence of tungsten in the Sangre de Cristo Range near Santa Fe, New Mexico--Possible stratabound scheelite peripheral to favorable settings for volcanogenic massive sulfide deposits: U.S. Geological Survey Open-File Report 80-1162, 21 p.
- Riesmeyer, W. D., 1978, Precambrian geology and ore deposits of the Pecos mining district, San Miguel and Santa Fe Counties, New Mexico: University of New Mexico, unpublished M.S. thesis, 215 p.

### **Pecos Wilderness--continued**

- Robertson, J. M., and Moench, R. H., 1979, The Pecos greenstone belt--A Proterozoic volcano-sedimentary sequence in the southern Sangre de Cristo Mountains, New Mexico: New Mexico Geological Society Guidebook, 30th Field Conference, Santa Fe Country, p. 165-173.
- U.S. Geological Survey, U.S. Bureau of Mines, and New Mexico Bureau of Mines and Mineral Resources, 1980, Mineral resources of the Pecos Wilderness and adjacent areas, Santa Fe, San Miguel, Mora, Rio Arriba, and Taos Counties, New Mexico: U.S. Geological Survey Open-File Report 80-382, 117 p.
- World Mining, 1978, Conoco discovers massive sulphides in Pecos Mountains: World Mining, v. 31, no. 2, p. 76.

### **Ryan Hill Roadless Area**

- Maxwell, C. H., Heyl, A. V., Ellis, C. E., and Scott, D. C., in press, Mineral resource potential map of the Ryan Hill Roadless Area, Socorro County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1634-A.

### **San Pedro Parks Wilderness**

- Santos, E. S., Hall, R. B., and Weisner, R. C., 1975, Mineral resources of the San Pedro Parks Wilderness and vicinity, Rio Arriba and Sandoval Counties, New Mexico: U.S. Geological Survey Bulletin 1385-C, 29 p.

### **Sandia Mountain Wilderness**

- Hedlund, D. C., Hendzel, D. E., and Kness, R. F., in press, Mineral resource potential map of the Sandia Mountain Wilderness, Bernalillo and Sandoval Counties, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1631-A, scale 1:50,000.
- Kelley, V. C., and Northrup, S. A., 1975, Geology of the Sandia Mountains and Vicinity, New Mexico: New Mexico Bureau of Mines and Mineral Resources Memoir 29, 136 p.

### **White Mountain Wilderness**

- Segerstrom, Kenneth, Stotelmeyer, R.B., and Williams, F. E., 1979, Mineral resources of the White Mountain Wilderness and adjacent areas, Lincoln County, New Mexico: U.S. Geological Survey Bulletin 1453, 135 p.

## NORTH CAROLINA

### **Craggy Mountain Wilderness study area and Extension**

- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, Sidney, Oliver, J. E., and Hatcher, R.D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians; COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, no. 12, p. 563-567.
- Lesure, F. G., Grosz, A. E., Williams, B. B., and Gazdik, G. C., 1978, Mineral resources of the Craggy Mountain Wilderness Study Area, Buncombe County, North Carolina: U.S. Geological Survey Open-File Report 78-1091, 23 p.
- Lesure, F. G., Grosz, A. E., Williams, B. B., and Gazdik, G. C., 1982, Mineral resources of the Craggy Mountain Wilderness Study Area and Extension, Buncombe County, North Carolina: U.S. Geological Survey Bulletin 1515, 27 p.
- Motooka, J. M., Meier, A. L., and Lesure, F. G., 1980, Analyses and descriptions of geochemical samples, Craggy Mountain Extension, Buncombe County, North Carolina: U.S. Geological Survey Open-File Report 80-1069, 10 p.
- Motooka, J. M., Sharkey, J. D., and Lesure, F. G., 1978, Analyses and description of geochemical samples, Craggy Mountain Wilderness Study Area, Buncombe County, North Carolina: U.S. Geological Survey Open-File Report 78-856, 10 p.

### **Ellicott Rock Wilderness and Additions, South Carolina, North Carolina, and Georgia**

- Bell, Henry, III, and Luce, R. W., 1982, Geologic map of the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-B, scale 1:48,000.
- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, Sidney, Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians; COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, no. 12, p. 563-567.
- Gazdik, G. C., 1982, Map showing mines, prospects, and mineral sites in the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-E.
- Luce, R. W., Bell, Henry, III, and Gazdik, G. C., 1982a, Geochemical maps of the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-A, scale 1:48,000.
- \_\_\_\_\_, 1982b, Mineral resource potential map of the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-D, scale 1:48,000.
- Luce, R. W., and Daniels, D. L., 1982, Aeromagnetic map and selected aeroradiometric data for the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-C, scale 1:48,000.

**Ellicott Rock Wilderness and Additions, South Carolina, North Carolina, and Georgia--continued**

Siems, D. F., Meier, A. L., Luce, R. W., and Bell, Henry, III, 1981, Analyses and descriptions of geochemical samples, Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Open-File Report 81-594, 37 p.

**Joyce Kilmer-Slickrock Wilderness, North Carolina and Tennessee**

Coats, J. S., Smith, C. G., Fortey, N. J., Gallagher, M. J., May, F., and McCourt, W. J., 1980, Strata-bound barium-zinc mineralization in Dalvadian schist near Aberfeldy, Scotland: Institution of Mining and Metallurgy Transactions, v. 89, sec. B., p. B110-B122.

Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, Sidney, Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians; COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: Geology, v. 7, no. 12, p. 563-567.

Hale, R. C., 1974, Gold deposits of the Coker Creek district, Monroe County, Tennessee: Tennessee Division of Geology Bulletin 72, 93 p.

Lesure, F. G., Force, E. R., Windolph, J. F., and Hill, J. J., 1977, Mineral resources of the Joyce Kilmer-Slickrock Wilderness, North Carolina-Tennessee: U.S. Geological Survey Bulletin 1416, 89 p.

**Linville Gorge Wilderness and Additions**

Bryant, Bruce, and Reed, J. C., Jr., 1970, Geology of the Grandfather Mountain Window and Vicinity, North Carolina and Tennessee: U.S. Geological Survey Professional Paper 615, 190 p.

D'Agostino, J. P., Whitlow, J. W., and Siems, D. F., 1983, Geologic and geochemical maps of Linville Gorge Wilderness and proposed extensions, Burke and McDowell Counties, North Carolina: U.S. Geological Survey Miscellaneous Field Studies Map MF-1610-A, scale 1:48,000.

D'Agostino, J. P., Whitlow, J. W., Gazdik, G. C., and Harrison, D. K., 1983, Mineral resource potential map of Linville Gorge Wilderness and proposed extensions, Burke and McDowell Counties, North Carolina: U.S. Geological Survey Miscellaneous Field Studies Map MF-1610-B, scale 1:48,000.

Gazdik, G. C., and Harrison, D. K., 1981, Mineral resources of the Linville Gorge Wilderness and additions, Burke and McDowell Counties, North Carolina: U.S. Bureau of Mines Open-File Report MLA 16-81, 1981, 34 p.

Harris, L. D., Harris, A.G., DeWitt, Wallace, Jr., and Bayer, K. C., 1981, Evaluation of Southern Eastern Overthrust Belt beneath Blue Ridge-Piedmont Thrust: American Association of Petroleum Geologists Bulletin v. 65, no. 12, p. 2497-2505.

Reed, J. C., Jr., 1964, Geology of the Linville Falls quadrangle, North Carolina: U.S. Geological Survey Bulletin 1161-B, 53 p.

**Lost Cove and Harper Creek Roadless Areas**

Bryant, Bruce, and Reed, J. C., 1966, Geology of the Grandfather Mountain window and vicinity: U.S. Geological Survey Professional Paper 615, p. 190.

### **Lost Cove and Harper Creek Roadless Areas--continued**

- Crandell, T. M., Ross, R. B., Jr., Whitlow, J. W., and Griffiths, W. R., 1982, Mineral resource potential of the Lost Cove and Harper Creek Roadless Areas, Avery and Caldwell Counties, North Carolina: U.S. Geological Survey Map MF-1391-A, scale 1:48,000.
- Rankin, D. W., Espenshade, G. H., and Neuman, R. B., 1972, Geologic map of the west half of the Winston-Salem quadrangle, North Carolina, Virginia and Tennessee: U.S. Geological Survey Map I-709-A, scale 1:25,000.
- Reed, J. C., 1964, Geology of the Linville Falls quadrangle, North Carolina: U.S. Geological Survey Bulletin 1161-B, p. 53.
- Siems, D. F., Whitlow, J. S., Griffiths, W. R., Duttweiler, K. A., and Arbogast, Belinda, 1981, Preliminary report on the Lost Cove and Harper Creek Roadless Areas, North Carolina: U.S. Geological Survey Open-File Report 81-1245, p. 4.
- Wagener, H. D., 1979, Petrology of the Wilson Creek Gneiss, western North Carolina and its relation to the Grandfather Mountain Formation, Cranberry Gneiss, and Inner Piedmont: South Portland, Maine, Chiasma Consultants, Inc., 57 p.

### **Overflow Roadless Area, Georgia and North Carolina**

- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, S. Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians--COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: Geology, v. 7, no. 12, p. 563-567.
- Davis, M. P., 1982, Mineral resources of the Overflow further planning area, Rabun County, Georgia, and Macon County, North Carolina: U.S. Bureau of Mines, Open-File Report MLA 31-82.
- Galpin, S. L., 1915, A preliminary report on the feldspar and mica deposits of Georgia: Georgia Geological Survey Bulletin 30.
- Koeppen, R. P., Nelson, A. E., and Davis, M. P., in press, Mineral resource potential map of the Overflow Roadless Area, Rabun County, Georgia and Macon County, North Carolina: U.S. Geological Survey Miscellaneous Field Studies Map MF-1618-A, scale 1:48,000.
- Lesure, F. G., and Shirley, L. W., 1968, Mica, in Mineral resources of the Appalachian region: U.S. Geological Survey Professional Paper 580, p. 311-325.
- Mertie, J. B., Jr. 1979, Monazite in the granitic rocks of the southeastern Atlantic states--an example of the use of heavy minerals in geologic exploration: U.S. Geological Survey Professional Paper 1094, 79 p.
- Nelson, A. E., and Koeppen, R. P., 1983, Geologic map of the Overflow Roadless Area, Rabun County, Georgia and Macon County, North Carolina: U.S. Geological Survey Miscellaneous Field Studies Map MF-1608-A, scale 1:48,000.
- Yeates, W. S., McCallie, S. W., and King, F. P., 1896, A preliminary report on a part of the gold deposits of Georgia: Geological Survey of Georgia Bulletin 4-A, p. 80-100.

### **Shining Rock Wilderness**

- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, Sidney, Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians; COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, no. 12, p. 563-567.
- Dunn, M. L., Jr. 1981, Mineral resources of the Shining Rock Wilderness, Haywood County, North Carolina: U.S. Bureau of Mines Open-File Report MLA 13-81, 17 p.
- Lesure, F. G., 1968, Mica deposits of the Blue Ridge in North Carolina: U.S. Geological Survey Professional Paper 577, 124 p.
- \_\_\_\_\_, 1981a, Geology of the Shining Rock Wilderness, Haywood County, North Carolina: U.S. Geological Survey Miscellaneous Field Studies Map MF-1290-A, scale 1:48,000.
- \_\_\_\_\_, 1981b, Geochemical survey of the Shining Rock Wilderness, Haywood County, North Carolina: U.S. Geological Survey Miscellaneous Field Studies Map MF-1290-B, scale 1:48,000.
- Lesure, F. G. and Dunn, M. L., Jr., 1982, Mineral resource potential map of the Shining Rock Wilderness, Haywood County, North Carolina: U.S. Geological Survey Miscellaneous Field Studies Map MF-1290-C, scale 1:48,000.
- Siems, D. F., Meier, A. L., and Lesure, F. G., 1981, Analyses and descriptions of geochemical samples, Shining Rock Wilderness, Haywood County, North Carolina: U.S. Geological Survey Open-File Report 81-595, 24 p.

### **Snowbird Roadless Area**

- Chatman, M. L., 1982, Mineral resources of Snowbird RARE II Further Planning Area, Graham County, North Carolina: U.S. Bureau of Mines Open-File Report MLA 42-82, 18 p.
- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, Sidney, Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians--COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, p. 563-567.
- Hernon, R. M., 1968, Geology of the Ducktown, Isabella, and Persimmon Creek quadrangles, Tennessee and North Carolina: U.S. Geological Survey Open-File Report, 71 p.
- Hurst, V. J., 1955, Stratigraphy, structure, and mineral resources of the Mineral Bluff quadrangle, Georgia: *Georgia Geological Survey Bulletin* 63, 137 p.
- Lesure, F. G., 1983a, Geologic map of the Snowbird Roadless Area, Graham County, North Carolina: U.S. Geological Survey Miscellaneous Field Studies Map MF-1587-A, scale 1:48,000.
- Lesure, F. G., 1983b, Geochemical survey of the Snowbird Roadless Area, Graham County, North Carolina: U.S. Geological Survey Miscellaneous Field Studies Map MF-1587-B, scale 1:48,000.
- Lesure, F. G., and Chatman, M. L., 1983, Mineral resource potential map of the Snowbird Roadless Area, Graham County, North Carolina: U.S. Geological Survey Miscellaneous Field Studies Map MF-1587-C, scale 1:48,000.
- Magee, Maurice, 1968, Geology and ore deposits of the Ducktown district, Tennessee, in J. D. Ridge, editor, *Ore deposits of the United States, 1933-1967 (Graton-Sales Volume)*: American Institute of Mining and Metallurgy New York, v. 1, p. 207-241.

## OKLAHOMA

### **Black Fork Mountain Roadless Area, Arkansas and Oklahoma**

- Ham, W. E., 1956, Asphaltite in the Ouachita Mountains: Oklahoma Geological Survey Mineral Report 30, 12 p.
- Miller, M. H., and Smith, M. C., 1983, Mineral resource potential map of Black Fork Mountain, Polk County, Arkansas, and LeFlore County, Oklahoma: U.S. Geological Survey Map MF-1599-A, scale 1:50,000.
- Seely, D. R., 1963, Structure and stratigraphy of the Rich Mountain area, Oklahoma and Arkansas: Oklahoma Geological Survey Bulletin 101, 173 p.

## OREGON

### **Charles Sheldon Antelope Range and Sheldon National Antelope Refuge Nevada and Oregon**

Cathrall, J. B., Greene, R. C., Plouff, Donald, Siems, D. F., Crenshaw, G. L., and Cooley, E. F., Tuckek, E. T., Johnson, F. J., and Conyac, M. D., in press, Mineral resources of the Charles Sheldon Wilderness study area, Humboldt and Washoe Counties, Nevada, and Lake and Harney Counties, Oregon: U.S. Geological Survey Bulletin 1538.

### **Deschutes Canyon Roadless Area**

Mariner, R. H., Rapp, J. B., Willey, L. M., and Presser, T. S., 1974, The chemical composition and estimated minimum thermal reservoir temperatures of selected hot springs in Oregon: U.S. Geological Survey Open-file report, 27 p.

Peterson, N. V., Groh, E. A., Taylor, E. M., and Stensland, D. H., 1976, Geology and mineral resources of Deschutes County, Oregon: Oregon Department of Geology and Mineral Industries Bulletin 89, 66 p.

Riccio, J. F., 1978, Preliminary geothermal resource map of Oregon: Oregon Department of Geology and Mineral Industries Geologic Map Series Map GMS-11, scale 1:500,000.

Robinson, P. T., and Stensland, D. H., 1979, Geologic map of the Smith Rock area, Jefferson, Deschutes, and Crook Counties, Oregon: U.S. Geological Survey Miscellaneous Investigations Map I-1142, scale 1:48,000.

Robison, J. H., and Laenen, Antonius, 1976, Water resources of the Warm Springs Indian Reservation, Oregon: U.S. Geological Survey Water Resources Investigations 76-26, 85 p.

Stensland, D. E., 1970, Geology of part of the northern half of the Bend quadrangle, Jefferson and Deschutes Counties, Oregon: Corvallis, Oregon State University, M.S. thesis, 118 p.

Wagner, N. S., 1969a, Diatomite, in Mineral and water resources of Oregon: Oregon Department of Geology and Mineral Industries Bulletin 64, p. 205-210.

\_\_\_\_\_, 1969b, Perlite, pumice, pumicite, and cinders, in Mineral and water resources of Oregon: Oregon Department of Geology and Mineral Industries Bulletin 64, p. 222-228.

Walker, G. W., 1981, Geologic map of the Deschutes Canyon Further Planning Area, Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1303-A, scale 1:48,000.

Walker, G. W., and Winters, R. A., 1983, Mineral resource potential of the Deschutes Canyon Roadless Area, Jefferson and Deschutes Counties, Oregon: U.S. Geological Survey Open-File Report 83-375.

Winters, R. A., 1983, Mineral investigation of the Deschutes Canyon RARE II Area (No. 6321), Jefferson and Deschutes Counties, Oregon: U.S. Bureau of Mines Open-File Report MLA 6-83, 8 p.

### **Diamond Peak Wilderness**

Sherrod, D. R., Moyle, P. R., Rumsey, C. M., and MacLeod, N. S., in press, Geology and mineral resource potential map of the Diamond Peak Wilderness, Lane and Klamath Counties, Oregon: U.S. Geological Open-File Report 83-661.

### **Eagle Cap Wilderness and adjacent areas**

Weis, P. L., Gaultieri, J. L., Cannon, W. F., Tuckek, E. T., McMahan, A.B., and Federspiel, F. E., 1976, Mineral resources of the Eagle Cap Wilderness and adjacent areas, Oregon: U.S. Geological Survey Bulletin 1385-E, 100 p.

### **Gearhart Mountain Wilderness and contiguous roadless area**

Peterson, N. V., and McIntyre, J. R., 1970, The reconnaissance geology and mineral resources of eastern Klamath County and Western Lake County, Oregon: Oregon Department of Geology and Mineral Industries, Bulletin 66, 70 p.

Walker, G. W., 1963, Reconnaissance geologic map of the eastern half of the Klamath Falls (AMS) quadrangle, Lake and Klamath Counties, Oregon: U.S. Geological Survey Mineral Investigations Field Studies Map MF-260, scale 1:250,000.

Walker, G. W., and Ridenour, James, 1982, Mineral resource potential of the Gearhart Mountain Wilderness and Roadless Area (6225), Lake and Klamath Counties, Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1367, scale 1:48,000.

### **Hells Canyon Study Area, Oregon and Idaho**

Gaultieri, J. L., and Simmons, G. C., 1978, Preliminary geologic map of the Hells Canyon area, Adams, Nez Perce, and Idaho Counties, Idaho, and Wallowa County, Oregon: U.S. Geological Survey Open-File Report 78-805.

Simmons, G. C., Gaultieri, J. L., Close, T. J., Federspiel, F. E., and Leszykowski, A. M., 1983, Mineral resource potential of the Hells Canyon Wilderness and contiguous roadless areas, Wallowa County Oregon, and Idaho and Adams Counties, Idaho: U.S. Geological Survey Open-File Report 83-397.

### **Homestead, Lake Fork, and Lick Creek Roadless Areas**

Conyac, M. D., 1981, Summary of mineral resources of the Lake Fork RARE II area (Study area 6290), Baker and Wallowa Counties, Oregon: U.S. Bureau of Mines Open-File Report MLA 1-81.

Evans, J. G., Conyac, M. D., Hyndman, P. C. and Mayerle, R. T., 1983, Mineral-resource potential of the Homestead, Lake Fork and Lick Creek RARE II areas, Baker and Wallowa Counties, Oregon: U.S. Geological Survey Open-File Report 83-409.

Hyndman, P. C., 1982, Mineral investigation of the Homestead RARE II area (No. 6291), Baker and Wallowa Counties, Oregon: U.S. Bureau of Mines Open-File Report MLA 76-83.

Mayerle, R. T., 1982, Mineral investigation of the Lick Creek RARE II area (No. 6285), Wallowa and Baker Counties, Oregon: U.S. Bureau of Mines Open-File Report MLA 120-82.

### **Kalmiopsis Wilderness**

Barnard, J. B., Page, N. J., Blakely, R. J., Ziemianski, W. P., Banister, C. A., and Giusso, J. R., 1981, Map showing distribution of serpentine minerals, density, and magnetic susceptibility of rocks from the Kalmiopsis Wilderness, southwestern Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1240-B, scale 1:62,500.

### **Kalmiopsis Wilderness--continued**

- Blakely, R. J., Page, N. J., Senior, Lisa, Ryan, H. F., and Gray, Floyd, 1982, Map showing aeromagnetic data and interpretation for the Kalmiopsis Wilderness, southwestern Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1240-D, scale 1:62,500.
- Carlson, C. A., Page, N. J., Grimes, D. J., and Leinz, R. W., 1982, Geochemical characteristics of rock samples from the Kalmiopsis Wilderness, southwestern Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1240-C, scale 1:62,500.
- Page, N. J., Carlson, R. R., Miller, M. S., Gray, Floyd, and Carlson, C. A., 1982, Map showing characteristics of platinum-group elements and gold in rock samples from the Kalmiopsis Wilderness, southwestern Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1240-F, scales 1:62,500 and 1:125,000.
- Page, N. J., Gray, Floyd, Cannon, J. K., Foose, M. P., Lipin, Bruce, Moring, B. C., Nicholson, S. W., Sawlin, M. G., Till, Alison, and Ziemianski, W. P., 1981, Geologic map of the Kalmiopsis Wilderness area, Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1240-A, scale 1:62,500.
- Page, N. J., Miller, M. S., Grimes, D. J., Leinz, R. W., Blakely, R. J., Lipin, B. R., Foose, M. P., and Gray, Floyd, 1982, Mineral resource potential map of the Kalmiopsis Wilderness, southwestern Oregon with text by N. J. Page and M. S. Miller: U.S. Geological Survey Miscellaneous Field Studies Map MF-1240-E, scale 1:62,500.

### **Mount Hood Wilderness and adjacent areas**

- Brook, C. A., Mariner, R. H., Mabey, D. R., Swanson, J. R., Guffanti, Marianne, and Muffler, L. J. P., 1979, Hydrothermal convection systems with reservoir temperatures greater than 90°C, in Muffler, L. J. P., ed., Assessment of geothermal resources of the United States-1978: U.S. Geological Survey Circular 790, p. 18-85.
- Callaghan, Eugene, and Buddington, A. F., 1938, Metalliferous mineral deposits of the Cascade Range in Oregon: U.S. Geological Survey Bulletin 893, 141 p.
- Crandell, D. R., 1980, Recent eruptive history of Mount Hood, Oregon, and potential hazards from future eruptions: U.S. Geological Survey Bulletin 1492, 81 p.
- Keith, T. E. C., and Causey, J. D., 1982, Map showing mineral and geothermal resource potential of the Mount Hood Wilderness, Clackamas and Hood River Counties, Oregon: U.S. Geological Survey Miscellaneous Field Investigations Map MF-1379-E, scale 1:62,500.

### **Mount Jefferson Primitive Area**

- Callaghan, Eugene, 1933, Some features of the volcanic sequence in the Cascade Range in Oregon: Transactions of the American Geophysical Union, 14th Annual Meeting, p. 243-249.
- Callaghan, Eugene, and Buddington, A. F., 1938, Metalliferous mineral deposits of the Cascade Range in Oregon: U.S. Geological Survey Bulletin 893, 141 p.

#### **Mount Jefferson Primitive Area--continued**

- Peck, D. L., Griggs, A. B., Schlicker, H. G., Wells, F. G., and Dole, H. M., 1964, Geology of the central and northern parts of the western Cascade Range in Oregon: U.S. Geological Survey Professional Paper 449, 56 p.
- Thayer, T. P., 1936, Structure of the North Santiam River section of the Cascade Mountains in Oregon: Journal of Geology, v. 44, no. 6, p. 701-716.
- \_\_\_\_\_, 1937, Petrography of later Tertiary and Quaternary rocks of the north-central Cascade Mountains in Oregon, with notes on similar rocks in western Nevada: Geological Society of America Bulletin, v. 48, no. 11, p. 1611-1651.
- Walker, G. W., Greene, R. C., and Pattee, E. C., 1966, Mineral resources of the Mount Jefferson primitive area, Oregon: U.S. Geological Survey Bulletin 1230-D, p. D1-D32.
- Williams, Howel, 1944, Volcanoes of the Three Sisters region, Oregon Cascades: California University, Department of Geological Sciences Bulletin, v. 27, no. 3, p. 37-83.
- \_\_\_\_\_, 1957, A geologic map of the Bend quadrangle, Oregon, and a reconnaissance geologic map of the central portion of the High Cascade Mountains: Oregon Department of Geology and Mineral Industries, in cooperation with U.S. Geological Survey, scale 1:125,000 and 1:250,000.

#### **Mount Washington Wilderness**

- Taylor, E. M., Causey, J. D., and MacLeod, N. S., in press, Geology and mineral resource potential map of the Mount Washington Wilderness, Deschutes, Lane, and Linn Counties, Oregon: U.S. Geological Survey Open-File Report 83-662.

#### **North Fork John Day River Roadless Area**

- Conyac, M. D., 1983, Mineral investigations of the North Fork John Day River Roadless Area (No. B6253), Grant County, Oregon: U.S. Bureau of Mines Open-File Report MLA 34-83.
- Evans, J. G., and Conyac, M. D., 1983, Mineral resource potential map of the North Fork John Day River Roadless Area, Grant County, Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1581-A, scale 1:48,000.

#### **North Fork Smith River Roadless Area, California and Oregon**

- Cater, F. W., and Wells, F. G., 1953, Geology and mineral resources of the Gasquet quadrangle, California-Oregon: U.S. Geological Survey Bulletin 995-C.
- Geological Society of America Penrose Conference, 1972, Ophiolites: Geotimes, v. 17, no. 12, p. 24-25.
- Gray Floyd, Page, N. J., Cornwall, H. R. and Huber, Donald, 1983a, Geology of the North Fork Smith River Roadless Area, Del Norte County, northern California, and Josephine County Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1423-A, scale 1:62,500.
- Gray Floyd, Page, N. J., and Hamilton, Michael, 1983b, Mineral resource potential map of the North Fork Smith River Roadless Area, Del Norte County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1423-B, scale 1:62,500.

### **North Fork Smith River Roadless Area, California and Oregon--continued**

- Gray, Floyd, Peterson, J. A., Carlson, R. R., Briggs, Peter, Haffty, Joseph, Cooley E. F., and Page, N. J., 1982, Geochemical analyses of rock and stream-sediment samples from the North Fork Smith River Roadless Area, Del Norte County, California: U.S. Geological Survey Open-File Report 82-976, 22 p.
- Griscom, Andrew, 1983, Aeromagnetic interpretation of the Josephine ultramafic body, California, in Geological and geophysical studies of chromite deposits in the Josephine peridotite, California and Oregon: U.S. Geological Survey Bulletin 1546.
- Maxson, J. H., 1933, Economic geology of portions of Del Norte and Siskiyou Counties, northwesternmost California: California Journal of Mines and Geology v. 29, p., 123-160.
- Page, N. J, Carlson, C. A., Gray, Floyd, Carlson, R. A., Briggs, P., Haffty Joseph, and Cooley, E. F., 1983, Geochemical characteristics of the North Fork Smith River Roadless Area, Del Norte County, California, and Josephine County, Oregon: U.S. Geological Survey Miscellaneous Field Studies, MF 1423-B.

### **Ollalie Roadless Area**

- Bowen, R. G., and Peterson, N. V., 1970, Thermal springs and wells, in Oregon: Oregon Department of Geology and Mineral Industries Miscellaneous Paper 14.
- Brooks, H. C., 1963, Quicksilver in Oregon: Oregon Department of Geology and Mineral Industries Bulletin 55, 223 p.
- Hammond, P. E., Anderson, J. L., and Manning, K. J., 1980, Guide to the geology of the upper Clackamas and North Santiam Rivers area, northern Oregon Cascade Range: Oregon Department of Geology and Mineral Industries Bulletin 101, p. 133-167
- Riccio, J. F., 1978, Preliminary geothermal resource map of Oregon: Oregon Department of Geology and Mineral Industries Geologic Map Series Map GMS-11, scale 1:500,000.
- Robison, J. H., and Laenen, Antonius, 1976, Water resources of the Warm Springs Indian Reservation, Oregon: U.S. Geological Survey Water Resources Investigations 76-26, 85 p.
- Thayer, T. P., 1937, Petrography of later Tertiary and Quaternary rocks of the north-central Cascade Mountains in Oregon, with notes on similar rocks in western Nevada: Geological Society of America Bulletin, v. 48, no. 6, p. 1611-1651.
- \_\_\_\_\_, 1939, Geology of the Salem Hills and the North Santiam River basin, Oregon: Oregon Department of Geology and Mineral Industries Bulletin 15, 40 p.
- Walker, G. W. 1982, Mineral resource potential of the Ollalie Roadless Area, Marion and Jefferson Counties, Oregon: U.S. Geological Survey Open-File Report 82-885.
- White, Craig, 1980, Geology of the Breitenbush Hot Springs quadrangle, Oregon: Oregon Department of Geology and Mineral Industries Special Paper 9, 26 p.

### **Pine Creek Roadless Area**

- Greene, R. C., 1973, Petrology of the welded tuff of Devine Canyon, southeast Oregon: U.S. Geological Survey Professional Paper 797, 26 p.
- Greene, R. C., Walker, G. W., and Corcoran, R. E., 1972, Geologic map of the Burns quadrangle, Oregon: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-680, scale 1:250,000.
- Parker, D. J., 1974, Petrology of selected volcanic rocks of the Harney Basin, Oregon: Corvallis, Oregon State University Ph. D. thesis, 110 p.
- Parker, D. J., and Armstrong, R. L., 1972, K-Ar dates and Sr isotope ratios for volcanic rocks in the Harney Basin, Oregon: Isochron/West, no. 5, p. 7-12.
- Piper, A. M., Robinson, T. W., and Park, C. F., Jr., 1939, Geology and ground-water resources of the Harney Basin, Oregon, with a statement on Precipitation and tree growth, by L. T. Jessup: U.S. Geological Survey Water-Supply Paper 841, 189 p.
- Walker, G. W., 1979, Revisions to the Cenozoic stratigraphy of Harney Basin, southeastern Oregon: U.S. Geological Survey Bulletin 1475, 35 p.
- \_\_\_\_\_, 1980a, Maps showing geology and geochemical sample localities, Pine Creek (RARE II) area, Harney County, Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1237, scale 1:31,130.
- \_\_\_\_\_, 1980b, Mineral resource potential of the Pine Creek (RARE II) area, Oregon: U.S. Geological Survey Open-File Report 80-989, 7 p.
- Walker, G. W., and Denton, D. K., Jr., 1982, Mineral resource potential of the Pine Creek Roadless Area, Harney County, Oregon: U.S. Geological Survey Open-File Report 82-822, 9 p.

### **Sky Lakes Roadless Area and Mountain Lakes Wilderness**

- Carver, G. A., 1972, Glacial geology of the Mountain Lakes Wilderness and adjacent parts of the Cascade Range, Oregon: Seattle, University of Washington, Ph.D. thesis, 83 p.
- Smith, J. G., Benham, J. R., and Johnson, F. L., 1983, Mineral resource potential map of the Sky Lakes Roadless Area and Mountain Lakes Wilderness, Jackson and Klamath Counties, Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1507-B, scale 1:62,500.
- Smith, R. L., and Shaw, H. R., 1975, Igneous-related geothermal systems, in White, D. E., and Williams, D. L., eds., Assessment of geothermal resources of the United States--1975: U.S. Geological Survey Circular 726, p. 58-83.

### **Strawberry Mountain Wilderness**

- Thayer, T. P., Case, J. E., and Stotelmeyer, R. B., 1981, Mineral resources of the Strawberry Mountain Wilderness and adjacent areas, Grant County, Oregon: U.S. Geological Survey Bulletin 1498, 67 p.

### **Three Sisters Wilderness**

- MacLeod, N. S., Taylor, E. M., Sherrod, D. R., Walker, G. W., Causey, J. D., and Willett S. L., in press, Mineral resource potential map of the Three Sisters Wilderness, Deschutes, Lane, and Linn Counties, Oregon: U.S. Geological Survey Open-File Report 83-659.

### **Wenaha Tucannon Wilderness, Washington and Oregon**

- Munts, S. R., 1982a, Mineral resources of the Wenaha-Tucannon Wilderness study area (FS), Asotin, Columbia, and Garfield Counties, Washington and Wallowa County, Oregon--Summary Report: U. S. Bureau Mines File Report, 17 p.
- Munts, S. R., 1982b, Mineral resources of the Wenaha-Tucannon Wilderness, Asotin, Columbia, and Garfield Counties, Washington and Wallowa County, Oregon--File Report: U. S. Bureau Mines Open File Report.
- Ross, M. E., 1978, Stratigraphy, structure, and petrology of Columbia River basalt in a portion of the Grande Ronde-Blue Mountains area of Oregon and Washington: Moscow, Idaho University, Ph. D. thesis, 407 p.
- Swanson, D. A., Wright, T. L., and Munts, S. R., 1983, Mineral resource potential of the Wenaha Tucannon Wilderness, Washington and Oregon: U.S. Geological Survey Open-File Report 83-374.

### **Wild Rogue Wilderness**

- Gray, Floyd, and McKee, E. H., 1981, New K-Ar dates from the Wild Rogue Wilderness, southwestern Oregon: Isochron/West, no. 32, p. 27-29.
- Gray, Floyd, Miller, M. S., Gaps, R. S., Peterson, J. A., Blakely, R. J., and Senior, Lisa, 1983, Mineral resource potential map of the Wild Rogue Wilderness, Coos and Curry Counties, Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1381-D, scale 1:48,000.
- Gray, Floyd, and Peterson, J. A., 1982, Geochemical analyses of rock and stream-sediment samples from the Wild Rogue Wilderness area, Coos, Curry, and Douglas Counties, Oregon: U.S. Geological Survey Open-File Report 82-186, 21 p.
- Gray, Floyd, Ramp, Len, Moring, B. C., Douglas, Ian, and Donahoe, J. L., 1981, Geologic map of the Wild Rogue Wilderness, Coos, Curry, and Douglas Counties, Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1381-A, scale 1:48,000.
- Peterson, J. A., and Gray, Floyd, 1982, Geochemical map and rock and stream-sediment data from the Wild Rogue Wilderness, Coos and Curry Counties, southwestern Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-1381-B, scale 1:48,000 (in press).

### **Windigo-Thielsens Roadless Area**

- Sherrod, D. R., Benham, J. R., and MacLeod, N. S., in press, Geology and mineral resource potential map of the Windigo-Thielsens Roadless Area, Douglas and Klamath Counties, Oregon: U.S. Geological Survey Open-File Report 83-660.

## PENNSYLVANIA

### **Allegheny Front and Hickory Creek Roadless Areas**

- Girol, V. P., 1982, Mineral resource investigation, Allegheny Front and Hickory Creek RARE-II Further Planning Areas, Warren County, Pennsylvania: U.S. Bureau of Mines Open-File Report MLA 28-82, 26 p.
- Hickling, N. L., Schweinfurth, S. P., and Adrian, B. M., 1983, A reconnaissance geochemical survey of the Allegheny Front and Hickory Creek Roadless Areas, Allegheny National Forest, Warren County, Pennsylvania: U.S. Geological Survey, Open-File Report 83-5, 20 p.
- Schweinfurth, S. P., Hickling, N. L., and Person, M. A., 1982, Geologic map of the Allegheny Front and Hickory Creek Roadless Areas, Warren County, Pennsylvania: U.S. Geological Survey Miscellaneous Field Studies Map MF-1442-A, scale 1:50,000.
- Schweinfurth, S. P., deWitt, Wallace, Jr., and Girol, V. P., 1983, Mineral resource potential map of the Allegheny Front and Hickory Creek Roadless Areas, Warren County, Pennsylvania: U.S. Geological Survey Miscellaneous Field Studies Map MF-1442-B, scale 1:50,000 (in press).

### **Clarion River Roadless Area**

- Hickling, N. L., Schweinfurth, S. P. and Adrian, B. M., 1983, A reconnaissance geochemical survey of the Clarion River Roadless Area, Allegheny National Forest, Elk County, Pennsylvania: U.S. Geological Survey Open-File Report 83-22, 14 p.
- Schweinfurth, S. P., Hickling, N. L., and Person, M. A., 1982, Geologic map of the Clarion River Roadless Area, Elk County, Pennsylvania: U.S. Geological Survey Miscellaneous Field Studies Map MF-1444-A, scale 1:50,000.
- Schweinfurth, S. P., deWitt, Wallace, Jr., Welsh, R. A., Jr., and Behum, P. T., 1983, Mineral resource potential maps of the Clarion River Roadless Area, Elk County, Pennsylvania: U.S. Geological Survey Miscellaneous Field Studies Map MF-1444-B, scale 1:50,000.
- Welsh, R. A., Jr. and Behum, P. T., 1982, Mineral investigation of the Clarion River Rare II further planning area, Elk County, Pennsylvania: U.S. Bureau of Mines Open-File Report MLA 85-82, 32 p.

### **Cornplanter Roadless Area**

- Chadwick, G. H., 1935, Chemung is Portage: Geological Society of America Bulletin, v. 46, no. 2, p. 343-354.
- Lesure, F. G., 1983, Geologic map of the Cornplanter Roadless Area, Warren County, Pennsylvania: U.S. Geological Survey Miscellaneous Field Studies Map MF-1510-A scale 1:24,000.
- Lesure, F. G., and Day, G. W., 1983, Geochemical survey of Cornplanter Roadless Area, Warren County, Pennsylvania: U.S. Geological Survey Miscellaneous Field Studies Map MF-1510-B, scale 1:24,000.
- Lesure, F. G., deWitt, Wallace, Jr., and Welsh, R. A., Jr., 1983, Mineral resource potential map of the Cornplanter Roadless Area, Warren County, Pennsylvania: U.S. Geological Survey Miscellaneous Field Studies Map MF-1510-C, scale 1:24,000.

**Cornplanter Roadless Area--continued**

Welsh, R. A., Jr., and Grau, R. H., III, 1982, Mineral resource investigations of Cornplanter RARE II Further Planning Area, Warren County, Pennsylvania: U.S. Bureau of Mines Open-File Report MLA 39-82, 24 p.

## **SOUTH CAROLINA**

### **Ellicott Rock Wilderness and Additions, South Carolina, North Carolina, and Georgia**

- Bell, Henry, III, and Luce, R. W., 1982, Geologic map of the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-B, scale 1:48,000.
- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, Sidney, Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians; COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, no. 12, p. 563-567.
- Gazdik, G. C., 1982, Map showing mines, prospects, and mineral sites in the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-E.
- Luce, R. W., Bell, Henry, III, and Gazdik, G. C., 1982a, Geochemical maps of the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-A, scale 1:48,000.
- \_\_\_\_\_, 1982b, Mineral resource potential map of the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-D, scale 1:48,000.
- Luce, R. W., and Daniels, D. L., 1982, Aeromagnetic map and selected aeroradiometric data for the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-C, scale 1:48,000.
- Siems, D. F., Meier, A. L., Luce, R. W., and Bell, Henry, III, 1981, Analyses and descriptions of geochemical samples, Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia: U.S. Geological Survey Open-File Report 81-594, 37 p.

### **Hell Hole Bay, Wambaw Swamp, Little Wambaw Swamp, and Wambaw Creek Wildernesses**

- Cameron, C. C., Grosz, A. E., Martin, C. M., and Gazdik, G. C., 1983, Mineral resource potential map of Hell Hole Bay, Wambaw Swamp, Little Wambaw Swamp, and Wambaw Creek Wildernesses, Berkeley and Charleston Counties, South Carolina: U.S. Geological Survey Miscellaneous Field Studies Map MF-1556-B, scale 1:48,000.

## TENNESSEE

### **Big Frog Wilderness Study Area and Additions, Tennessee and Georgia**

- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, S., Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians--COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, no. 12, p. 563-567.
- Slack, J. F., Gazdik, G. C., and Dunn, M. L., Jr., 1982, Mineral resources of the Big Frog Wilderness Study Area and additions, Polk County, Tennessee, and Fannin County, Georgia: *U.S. Geological Survey Bulletin* 1531, 25 p.

### **Citico Creek Wilderness Study Area**

- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, S., Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians--COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, no. 12, p. 563-567.
- Slack, J. F., Force, E. R., Behum, P. T., and Williams, B. B., 1979, Mineral resources of the Citico Creek Wilderness Study Area, Monroe County, Tennessee: *U.S. Geological Survey Open-File Report* 79-231, 33 p.

### **Cohutta Wilderness, Georgia and Tennessee, and Hemp Top Roadless Area**

- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, Sidney, Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians--COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, p. 563-567.
- Gair, J. E., Gazdik, G. C., and Dunn, M. L., Jr., 1982, Mineral resource potential map of the Cohutta Wilderness and the Hemp Top Roadless Area, northern Georgia and southeastern Tennessee: *U.S. Geological Survey Miscellaneous Field Studies Map* MF-1415-C, scale 1:48,000.
- Gair, J. E., and Slack, J. F., 1982, Geology of the Cohutta Wilderness and the Hemp Top Roadless Area, northern Georgia and southeastern Tennessee: *U.S. Geological Survey Miscellaneous Field Studies Map* MF-1415-A, scale 1:48,000.
- Gair, J. E., 1982, Geochemical survey of the Cohutta Wilderness and Hemp Top Roadless Area, northern Georgia and southeastern Tennessee: *U.S. Geological Survey Miscellaneous Field Studies Map* MF-1415-B, scale 1:48,000.

### **Flint Mill Roadless Area**

- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, Sidney, Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians--COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: *Geology*, v. 7, p. 563-567.
- Griffitts, W. R., and Jones, J. G., in press, Mineral resource potential of the Flint Mill Roadless Area, Johnson and Carter Counties, Tennessee: *U.S. Geological Survey Open-File Report* 83-509.
- Jones, J. G., 1982, Mineral investigations of the Flint Mill Gap RARE II Further Planning Area, Carter and Johnson Counties, Tennessee: *U.S. Bureau of Mines Open-File Report* MLA-99-82, 24 p.
- King, P. B., Ferguson, H. W., 1960, Geology of northeasternmost Tennessee: *U.S. Geological Survey Professional Paper* 311, 136 p.

### **Gee Creek Wilderness**

- Epstein, J. B., 1982a, Geologic map of the Gee Creek Wilderness, Polk and Monroe Counties, Tennessee: U.S. Geological Survey Miscellaneous Field Studies Map MF-1474-A, scale 1:24,000.
- Epstein, J. B., 1982b, Reconnaissance geochemical map of the Gee Creek Wilderness area, Polk and Monroe Counties, Tennessee: U.S. Geological Survey Miscellaneous Field Studies Map MF-1474-B.
- Epstein, J. B., Gazdik, G. C., and Behum, P. T., 1983, Mineral resource potential of the Gee Creek Wilderness, Polk and Monroe Counties, Tennessee: U.S. Geological Survey Miscellaneous Field Studies Map MF-1474-D, scale 1:24,000.
- Gazdik, G. C., and Behum, P. T., 1983, Map showing mines, quarries, prospects, and analyses of samples, Gee Creek Wilderness, Polk and Monroe Counties, Tennessee: U.S. Geological Survey Miscellaneous Field Studies Map MF-1474-C.

### **Joyce Kilmer-Slickrock Wilderness, North Carolina and Tennessee**

- Coats, J. S., Smith, C. G., Fortey, N. J., Gallagher, M. J., May, F., and McCourt, W. J., 1980, Strata-bound barium-zinc mineralization in Dalvadian schist near Aberfeldy, Scotland: Institution of Mining and Metallurgy Transactions, v. 89, sec. B., p. B110-B122.
- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, Sidney, Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians; COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: Geology, v. 7, no. 12, p. 563-567.
- Hale, R. C., 1974, Gold deposits of the Coker Creek district, Monroe County, Tennessee: Tennessee Division of Geology Bulletin 72, 93 p.
- Lesure, F. G., Force, E. R., Windolph, J. F., and Hill, J. J., 1977, Mineral resources of the Joyce Kilmer-Slickrock Wilderness, North Carolina-Tennessee: U.S. Geological Survey Bulletin 1416, 89 p.

### **Little Frog Roadless Area**

- Force, E. R., 1981, Geologic map of the Little Frog Roadless Area, Polk County, Tennessee: U.S. Geological Survey Miscellaneous Field Studies Map MF-1338-A, scale 1:24,000.
- Force, E. R., and Siems, D. F., 1983, Geochemical survey of the Little Frog Roadless Area, Polk County, Tennessee: U.S. Geological Survey Miscellaneous Field Studies Map MF-1338-B, scale 1:24,000.
- Force, E. R., and Gazdik, G. C., 1983, Mineral resource potential map of the Little Frog Roadless Area, Polk County, Tennessee: U.S. Geological Survey Miscellaneous Field Studies Map MF-1338-C, scale 1:24,000.

### **Pond Mountain and Pond Mountain Addition Roadless Areas**

- Bitar, R. F., Behum, P. T., and Hammack, R. W., 1983, Mineral investigation of Pond Mountain and Pond Mountain Addition RARE II Further Planning Areas, Carter County, Tennessee: U.S. Bureau of Mines Open-File Report.
- Griffitts, W. R., and Bitar, Richard, in press, Mineral resource potential map of the Pond Mountain and Pond Mountain Addition Roadless Areas, Carter County, Tennessee: U.S. Geological Survey Miscellaneous Field Studies Map MF-1648-A, scale 1:24,000.

**Pond Mountain and Pond Mountain Addition Roadless Areas--continued**

- King, P. B., and Ferguson, H. W., 1960, Geology of northeasternmost Tennessee: U.S. Geological Survey Professional Paper 311, 136 p.  
Taylor, R. G., 1979, Geology of tin deposits: Amsterdam, Elsevier, 543 p.

**Unaka Mountain Roadless Area**

- Chatman, M. L., 1982, Mineral investigations of the Unaka Mountain RARE II Further Planning Area, Unicoi County, Tennessee: U.S. Bureau of Mines Open File Report MLA 87-82, 15 p.  
Cook, F. A., Albauth, D. S., Brown, L. D., Kaufman, Sidney, Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians; COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: Geology, v. 7, December 1979, p. 563-567.  
Cook, F. A., Brown, L. D., and Oliver, J. E., 1980, The Southern Appalachians and the growth of continents: Scientific American, v. 243, no. 4, p. 156-168.  
Griffitts, W. R., and Chatman, Mark, 1983, Mineral resource potential of the Unaka Mountain Roadless Area, Unicoi County, Tennessee: U.S. Geological Survey Open-File Report 83-445.  
King, P. B., and Ferguson, H. W., 1960, Geology of northeasternmost Tennessee: U.S. Geological Survey Professional Paper 311, 136 p.  
King, P. B., Ferguson, H. W., Craig, L. C., and Rodgers, John, 1944, Geology and manganese deposits of northeastern Tennessee: Tennessee Division of Geology Bulletin 52, 275 p.  
Maher, S. W., 1964, The brown iron ores of east Tennessee: Tennessee Division of Geology Report of Investigations 19, 63 p.

## **TEXAS**

### **Chambers Ferry Roadless Area**

Houser, B. B. and Ryan, G. S., 1983, Geologic and mineral resource potential map of the Chambers Ferry Roadless Area, Sabine County, Texas: U.S. Geological Survey, Miscellaneous Field Studies Map MF-1553, scale 1:50,000.

### **Four Notch Roadless Area**

Houser, B. B., and Ryan, George S., 1983, Mineral resource potential map of the Four Notch Roadless Area, Walker County, Texas: U.S. Geological Survey Miscellaneous Field Studies Map MF-1549, scale 1:50,000.

### **Graham Creek Roadless Area**

Houser, B. B., and Ryan, G. S., 1983, Geologic and mineral resource potential map of the Graham Creek Roadless Area, Angeline and Jasper Counties, Texas: U.S. Geological Survey, Miscellaneous Field Studies Map, MF-1552, scale 1:50,000.

## UTAH

### **Birdseye, Nephi, and Santaquin Roadless Areas**

- Bullock, K. C., 1962, Economic geology of north-central Utah, in Hintze, L. F., ed., Geology of the southern Wasatch Mountains and vicinity, Utah: Brigham Young University Geology Studies, v. 9., pt. 1, p. 85-94.
- Heikes, V. C., 1920, History and production, in Butler, B. S., Loughlin, G. F., Heikes, V. C., and others, The ore deposits of Utah: U.S. Geological Survey Professional Paper 111, p. 333-335.
- Roberts, R. J., Crittenden, M. D., Jr., Tooker, E. W., Morris, H. T., Hose, R. K., and Cheney, T. M., 1965, Pennsylvanian and Permian basins in northwestern Utah, northeastern Nevada, and south-central Idaho: American Association of Petroleum Geologists Bulletin, v. 49, p. 1926-1956.
- Sorensen, M. L., Korzeb, S. L., and Neubert, J. T., 1983, Mineral resource potential map of the Birdseye, Nephi, and Santaquin Roadless Areas, Juab and Utah Counties, Utah: U.S. Geological Survey Miscellaneous Field Investigations Map MF-1574-A, scale 1:62,500.
- Sorensen, M. L., Pietropaoli, Henry, and Haley, S. M., 1983, Geochemical analyses of rock and stream-sediment samples from Birdseye, Nephi, and Santaquin Roadless Areas, Juab and Utah Counties, Utah: U.S. Geological Survey Open-File Report 83-175.

### **High Uintas Primitive Area**

- Crittenden, Max D., Wallace, C. A. and Sheridan, M. J., 1967, Mineral Resources of the High Uintas Primitive Area, Utah: U. S. Geological Survey Bulletin 1230-I, 27 p.
- Ritzma, H. R., 1981, Dike investigation helped by chopper lift: Utah Geological and Mineral Survey, Survey Notes, v. 15, no. 4, 9 p.

### **Lone Peak Wilderness study area**

- Bromfield, C. S., and Patten, L. L., 1975, Mineral resources of the Lone Peak Wilderness study area, Utah and Salt Lake Counties, Utah: U.S. Geological Survey Open-File Report 75-382, 206 p.
- Bromfield, C. S., and Patten, L. L., 1981, Mineral resources of the Lone Peak Wilderness study area, Utah and Salt Lake Counties, Utah: U.S. Geological Survey Bulletin 1491, 117 p.

### **Mount Naomi Roadless Area, Utah and Idaho**

- Dover, J. H., and Bigsby, P. R., 1983, Mineral resource potential map of Mount Naomi Roadless Area, Cache County, Utah, and Franklin County, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1566-A, scale 1:100,000.
- McHugh, J. B., 1981, Analytical results for 60 water samples from Mount Naomi Wilderness study area, Utah-Idaho: U.S. Geological Survey Open-File Report 81-196.

### **Stansbury Roadless Areas**

Sorensen, M. L., 1982a, Geologic map of the Stansbury Roadless Areas, Tooele County, Utah: U.S. Geological Survey Miscellaneous Field Studies Map MF-1353-A, scale 1:62,500.

\_\_\_\_\_, 1982b, Map showing geochemical analyses of panned stream sediments, Stansbury Roadless Areas, Tooele County, Utah: U.S. Geological Survey Miscellaneous Field Studies Map MF-1353-B, scale 1:62,500.

Sorensen, M. L., and Kness, R. F., 1982, Mineral resource potential map of the Stansbury Roadless Areas, Tooele County, Utah: U.S. Geological Survey Miscellaneous Field Studies Map MF-1353-C, scale 1:62,500.

U.S. Geological Survey, 1971, Areomagnetic map of part of west-central Utah: U.S. Geological Survey Open-file report, scale 1:250,000.

Utah Geological and Mineral Survey, 1980, Geothermal resources of Utah 1980: Utah Geological and Mineral Surveys, scale 1:500,000.

### **The Box-Death Hollow Roadless Area**

Weir, G. W., and Beard, L. S., 1981, Geologic map of The Box-Death Hollow Further Planning Area (RARE II), Garfield county, Utah: U.S. Geological Survey Miscellaneous Field Studies Map MF-1319-B, scale 1:48,000.

## VERMONT

### Bread Loaf Roadless Area

- Ando, C. J., Cook, F. A., Oliver, J. E., Brown, L. D., and Kaufman, S., 1982, Crustal geometry of the Appalachian orogen from seismic reflection studies: Geological Society of America, Abstracts with Programs, v. 14, nos. 1-2, p. 2.
- Bigelow, T., 1982, Leasing in overthrust is becoming even more competitive: Northeast Oil Reporter, v. 2, no. 5, p. 94-98.
- Bitar, R. F., and Armstrong, M. K., 1982, Mineral resources of Bread Loaf RARE II Further Planning Area, Addison and Washington Counties, Vermont: U.S. Bureau of Mines Open-File Report MLA 65-82, 15 p.
- Cady, W. M., Albee, A. L., and Murphy, J. F., 1962, Bedrock geology of the Lincoln Mountain quadrangle, Vermont: U.S. Geological Survey Geologic Quadrangle Map GQ-164, scale 1:62,500.
- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, S., Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians--COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: Geology, v. 7, no. 12, p. 563-567.
- Doll, C. G., Cady, W. M., Thompson, J. B., Jr., and Billings, M. P., 1961, Centennial Geologic Map of Vermont: Vermont Geological Survey, scale 1:250,000.
- Franklin, J. M., Lydon, J. W., and Sangster, D. F., 1981, Volcanic-associated massive sulfide deposits: Economic Geology 75th Anniversary Volume, p. 485-627.
- Hutchinson, R. W., 1973, Volcanogenic sulfide deposits and their metallogenic significance: Economic Geology, v. 68, p. 1223-1246.
- McCaslin, J. C., and Sumpter, R., 1981, Eastern overthrust search picks up speed: Oil and Gas Journal, v. 79, no. 2, p. 173-180.
- Oil and Gas Journal, 1982, Newsletter: Oil and Gas Journal, v. 80, no. 5.
- Slack, J. F., and Bitar, R. F., in press, Mineral resource potential map of the Bread Loaf Roadless Area, Addison and Washington Counties, Vermont: U.S. Geological Survey Miscellaneous Field Studies Map MF-1625-A, scale 1:48,000.

### Bristol Cliffs Wilderness

- Ando, C. J., Cook, F. A., Oliver, J. E., Brown, L. D., and Kaufman, S., 1982, Crustal geometry of the Appalachian orogen from seismic reflection studies [abs.]: Geological Society of America, Abstract with Programs, v. 14, nos. 1 and 2, p. 2.
- Bjørlykke, A., and Sangster, D. F., 1981, An overview of sandstone lead deposits and their relation to red-bed copper and carbonate-hosted lead-zinc deposits: Economic Geology 75th Anniversary Volume, p. 179-213.
- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, S., Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crustalline southern Appalachians--COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: Geology, v. 7, no. 12, p. 563-567.
- Ricard, D. T., Willden, M. Y., Marinder, N. E., and Donnelly, T. H., 1979, Studies on the genesis of the Laisvall sandstone lead-zinc deposit, Sweden: Economic Geology, v. 74, p. 1255-1285.

### **Bristol Cliffs Wilderness--continued**

- Slack, J. F., Atelsek, P. J., and Grosz, A. E., 1983, Geologic and geochemical survey of the Bristol Cliffs Wilderness, Addison County, Vermont: U.S. Geological Survey Miscellaneous Field Studies Map MF-1593-A.
- Slack, J. F., and Mory, P. C., 1983, Mineral resource potential map of the Bristol Cliffs Wilderness, Addison County, Vermont: U.S. Geological Survey Miscellaneous Field Studies Map MF-1593-B (in press).

### **Devils Den Roadless Area**

- Ando, C. J., Cook, F. A., Oliver, J. E., Brown, L. D., and Kaufman, S., 1982, Crustal geometry of the Appalachian orogen from seismic reflection studies [abs.]: Geological Society of America, Abstracts with Programs, v. 14, nos. 1 and 2, p. 2.
- Bigelow, T., 1982, Leasing in overthrust is becoming even more competitive: Northeast Oil Reporter, v. 2, no. 5, p. 94-98.
- Cook, F. A., Albaugh, D. S., Brown, L. D., Kaufman, S., Oliver, J. E., and Hatcher, R. D., Jr., 1979, Thin-skinned tectonics in the crystalline southern Appalachians--COCORP seismic-reflection profiling of the Blue Ridge and Piedmont: Geology, v. 7, no. 12, p. 563-567.
- Dale, T. N., 1915, The calcite marble and dolomite of eastern Vermont: U.S. Geological Survey Bulletin 589, 67 p.
- McCaslin, J. C., and Sumpter, R., 1981, Eastern overthrust search picks up speed: Oil and Gas Journal, v. 79, no. 2, p. 173-180.
- Oil and Gas Journal, 1982, OJG Newsletter: Oil and Gas Journal, v. 80, no. 5.
- Sabin, A. E., and Jones, J. G., 1981, Mineral resources of Devils Den RARE II Further Planning Area, Rutland and Windsor Counties, Vermont: U.S. Bureau of Mines Open-File Report MLA 34-82, 16 p.
- Slack, J. F., 1982, Tourmaline in Appalachian-Caledonian massive sulphide deposits and its exploration significance: Transactions of Institution of Mining and Metallurgy, v. 91, sec. B (Applied Earth Science), p. B81-B89.
- Slack, J. F., and Sabin, A. E., in press, Mineral resource potential map of the Devils Den Roadless Area, Rutland and Windsor Counties, Vermont: U.S. Geological Survey Miscellaneous Field Studies Map MF-1626-A, scale 1:24,000.

### **Lye Brook Wilderness**

- Ayuso, R. A., and Day, G. W., 1983, Geochemical survey of the Lye Brook Wilderness, Bennington and Windham Counties, Vermont: U.S. Geological Survey Miscellaneous Field Studies MF-1609-B.
- Ayuso, R. A., and Harrison, D. K., 1983, Mineral resource potential map of the Lye Brook Wilderness, Bennington and Windham Counties, Vermont: U.S. Geological Survey Miscellaneous Field Studies MF-1609-C.
- Ayuso, R. A., and Robinson, G. R., Jr., 1983, Geologic map of the Lye Brook Wilderness, Bennington and Windham Counties, Vermont: U.S. Geological Survey Miscellaneous Field Studies MF-1609-A.
- Harrison, D. K., 1981, Mineral resources of the Lye Brook Wilderness, Bennington and Windahm Counties, Vermont: U.S. Bureau of Mines, Open-File Report MLA 17-81.
- Hewitt, P. C., 1961, The geology of the Equinox quadrangle and vicinity, Vermont: Vermont Geological Survey Bulletin, 18, 83 p.

**Lye Brook Wilderness--continued**

Popenoe, P., 1964, Aeroradioactivity of parts of east-central New York and west-central New England: U.S. Geological Survey Geophysical Investigation Map GP-358, scale 1:250,000

Preiss, R., 1979, Report on uranium mineralization in the College Hill-Pinnacle Hill Area, Windahm County Vermont: Urangessellschaft U.S.A., Inc.

Turekian, K. K., and Wedepohl, K. H., 1961, Distribution of the elements in some major units of the Earth's crust: Geological Society of America Bulletin, v. 72, pp. 175-191.

## VIRGINIA

### **Devils Fork Roadless Area**

Englund, K. J., Sigleo, W. R., and Behum, P. I., in press, Mineral resource potential map of Devils Fork Roadless Area, Scott County, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1611-C.

### **Dolly Ann Roadless Area**

- Costain, J. K., 1976, Geology and geophysical study of the origin of the Warm Springs in Bath County, Virginia: Virginia Polytechnic Institute and State University, Department of Geological Sciences, 44 p.
- Jones, J. G., 1983, Maps showing mines, prospects, and mineral localities in and near the Dolly Ann Roadless Area, Alleghany County, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1358-C.
- Jones, J. G., Piros, M. E., and Hammack, R. W., 1982, Mineral resources of Dolly Ann RARE II Further Planning Area, Alleghany County, Virginia: U.S. Bureau of Mines Open-File Report MLA 61-82, 37 p.
- Lesure, F. G., 1981, Geologic map of the Dolly Ann Roadless Area, Alleghany County, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1358-A, scale 1:24,000.
- Lesure, F. G., 1982, Geochemical survey of the Dolly Ann Roadless Area, Alleghany County, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1358-B, scale 1:48,000.
- Lesure, F. G., Arbogast, B. F., Meier, A. L., Motooka, J. M., and Siems, D. F., 1981, Analyses and descriptions of geochemical samples, Dolly Ann Roadless Area, Alleghany County, Virginia: U.S. Geological Survey Open-File Report 81-1126, 18 p.
- Lesure, F. G., and Jones, J. G., 1983, Mineral resource potential map of the Dolly Ann Roadless Area, Alleghany County, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1358-D, scale 1:24,000.

### **James River Face Wilderness**

- Brown, C. E. and Siems, D. F., 1982, Geochemical survey of the James River Face Wilderness, Bedford and Rockbridge Counties, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1337-B, scale 1:32,000.
- Brown, C. E. and Spencer, E. W., 1981, Geologic map of the James River Face Wilderness, Bedford and Rockbridge Counties, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1337-A, scale 1:24,000.
- Brown, C. E. and Gazdik, G. C., 1982, Mineral resource potential map of the James River Face Wilderness, Bedford and Rockbridge Counties, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1337-D, scale 1:24,000.
- Gazdik, G. C. and Ross, R. B., Jr., 1982, Mines, prospects and sample data for the James River Face Wilderness, Bedford and Rockbridge Counties, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map, MF-1337-C.

#### **Mill Creek Wilderness Study Area**

- Lesure, F. G., Williams, B. B., and Dunn, M. L., Jr., 1982, Mineral resources of the Mill Creek, Mountain Lake, and Peters Mountain Wilderness Study Areas, Craig and Giles Counties, Virginia, and Monroe County, West Virginia: U.S. Geological Survey Bulletin 1510, 76 p.
- Mei, Leung, and Lesure, F. G., 1978, Analyses and description of geochemical samples, Mill Creek Wilderness Study Area, Giles County, Virginia: U.S. Geological Survey Open-File Report 78-1077-D, 17 p.

#### **Mountain Lake Wilderness Study Area, Virginia and West Virginia**

- Fish, G. E., 1967, Clinton hematitic sandstone deposits, Butt Mountain area, Giles County, Virginia: U.S. Bureau of Mines Report of Investigations RI-6966, 39 p.
- Lesure, F. G., Williams, B.B., and Dunn, M. L., Jr., 1982, Mineral resources of the Mill Creek, Mountain Lake, and Peters Mountain Wilderness Study Areas, Craig and Giles Counties, Virginia, and Monroe County, West Virginia: U.S. Geological Survey Bulletin 1510, 76 p.
- Mei, Leung, Fletcher, J. D., Rait, Norma, and Lesure, F. G., 1978, Analyses and description of geochemical samples, Mountain Lake Wilderness Study Area, Virginia-West Virginia: U.S. Geological Survey Open-File Report 78-1077-B, 24 p.
- Motooka, J. M., Curtis, C. A., and Lesure, F. G., 1978, Analyses of soil samples from Mountain Lake and Peters Mountain Wilderness Study Areas, Virginia-West Virginia: U.S. Geological Survey Open-File Report 78-1077-A, 8 p.

#### **Peters Mountain Wilderness Study Area**

- Lesure, F. G., Williams, B. B., and Dunn, M. L., Jr., 1982, Mineral resources of the Mill Creek, Mountain Lake, and Peters Mountain Wilderness Study Areas, Craig and Giles Counties, Virginia, and Monroe County, West Virginia: U.S. Geological Survey Bulletin 1510, 76 p.
- Motooka, J. M., Curtis, C. A., and Lesure, F. G., 1978, Analyses of soil samples from Mountain Lake and Peters Mountain Wilderness Study Areas, Virginia-West Virginia: U.S. Geological Survey Open-File Report 78-1077-A, 8 p.
- Rait, Norma, and Lesure, F. G., 1978, Analyses and description of geochemical samples, Peters Mountain Wilderness Study Area, Giles County, Virginia: U.S. Geological Survey Open-File Report 78-1077-C, 15 p.

#### **Ramseys Draft Wilderness Study Area**

- Lesure, F. G., 1982a, Geology of Ramseys Draft Addition, Augusta and Highland Counties, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF 1369-A, scale 1:48,000.
- \_\_\_\_\_, 1982b, Geochemical survey of Ramseys Draft Addition, Augusta and Highland Counties, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF 1369-B, scale 1:48,000.
- Lesure, F. G., Geraci, P. J., Mory, P. C., and Williams, B. B., 1977, Mineral resources of the Ramseys Draft Wilderness study area, Augusta County, Virginia: U.S. Geological Survey Bulletin 1397-C, 42 p.

#### **Ramseys Draft Wilderness Study Area--continued**

- Lesure, F. G., and Motooka, J. M., 1980, Possible stratiform-copper occurrence, Ramseys Draft Wilderness study area, August County, Virginia: Southeast Geology, v. 21, no. 3, p. 227-238.
- Lesure, F. G. and Mory, P. C., 1982, Mineral resource potential map of Ramseys Draft Addition, Augusta and Highland Counties, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF 1369-C, scale 1:48,000.
- Motooka, J. M., Forn, C.L., Lesure, F.G., Siems, D. F., and others, 1981, Analyses and descriptions of geochemical samples, Ramseys Draft Wilderness study area and Addition, Augusta and Highland Counties, Virginia: U.S. Geological Survey Open-File Report 81-1319, 42 p.
- Perry, W. J., Jr., 1978, Sequential deformation in the Central Appalachians: American Journal of Science, v. 278, p. 518-542.

#### **Southern Massanutten Roadless Area**

- Chatman, M. L., and Behum, P. T., 1983, Mining and mineral prospecting in the Southern Massanutten Roadless Area, Page and Rockingham Counties, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1527-C.
- Lesure, F. G., 1983, Geology of the Southern Massanutten Roadless Area, Page and Rockingham Counties, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1527-A.
- Lesure, F. G., Chatman, M. L., Behum, P. T., and Wawro, T. J., 1983, Mineral resource potential map of the Southern Massanutten Roadless Area, Page and Rockingham Counties, Virginia: U.S. Geological Survey Miscellaneous Field Studies MF-1527-D.
- Lesure, F. G., and Forn, C. L., 1983, Geochemistry of the Southern Massanutten Roadless Area, Page and Rockingham Counties, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1527-B
- Wawro, T. J., Chatman, M. L., and Behum, P. T., 1982, Mineral investigation of the Southern Massanutten RARE II Further Planning Area, Page and Rockingham Counties, Virginia: U.S. Bureau of Mines Open-File Report MLA 73-82, 26 p.

## WASHINGTON

### **Alpine Lakes Wilderness study area**

- Gaultieri, J. L., Simmons, G. C., Thurber, H. K., and Miller, M. S., 1973, Mineral resources of the Alpine Lakes study area, Chelan, King, and Kittitas Counties, Washington, with a section on Aeromagnetic interpretation by W. E. Davis: U.S. Geological Survey Open-file report, 132 p.
- Gaultieri, J. L., Thurber, H. K., Miller, M. S., McMahan, A. B., and Federspiel, F. F., 1975, Mineral resources of additions to the Alpine Lakes study area, Chelan, King, and Kittitas Counties, Washington: U.S. Geological Survey Open-File Report 75-3, 161 p.

### **Cougar Lakes-Mount Aix Wilderness study area**

- Simmons, G. C., and others, 1974 [1975], Magnetic tape containing spectrographic and chemical analyses of mineralized ores and floats, mines and dumps, stream sediments and pan concentrates from the Cougar Lakes-Mount Aix study area, Yakima and Lewis Counties, Washington: U.S. Geological Survey Report USGS-GD-74-032; available only from the U.S. Department of Commerce, National Technical Information Service, Springfield, VA 22151, as Report PB-238-413/AS.
- U.S. Geological Survey and U.S. Bureau of Mines, 1983, Mineral resources of the Cougar Lakes-Mount Aix study area, Yakima and Lewis Counties, Washington, with a section on Aeromagnetic interpretation by W. E. Davis (USGS): U.S. Geological Survey Bulletin 1504, in press.

### **Eagle Rock Roadless Area**

- Church, S. E., Mosier, E. L., Frisken, J. G., Arbogast, B. F., and McDougal, C. M., 1982, Analytical results from stream sediments and panned concentrates from stream sediments collected from the Monte Cristo and Eagle Rock study areas, Washington: U.S. Geological Survey Open-File Report 82-303, 83 p.
- Church, S. E., Frisken, J. G., Mosier, E. L., and Willson, W. R., 1983, Geochemical map of the Eagle Rock and Glacier Peak Roadless Areas, Snohomish and King Counties, Washington: U.S. Geological Survey Miscellaneous Field Studies Map MF-1380-D, scale 1:100,000.
- Church, S. E., Tabor, R. W., and Johnson, F. L., in press, Mineral resource potential map of the Eagle Rock Roadless Area, Snohomish and King Counties, Washington: U.S. Geological Survey Miscellaneous Field Studies Map MF-1380-B, scale 1:50,000.
- Johnson, F. L., Denton, D. K., McCulloch, R. B., and Stebbins, S. A., 1983, Mineral investigation of the Eagle Rock RARE II Area, Snohomish and King Counties, Washington: U.S. Bureau of Mines Open-File Report MLA 54-83, 20 p.
- Tabor, R. W., Frizzel, V. A., Jr., Yeats, R. S., and Whetten, J. T., 1982, Geologic map of the Eagle Rock and Glacier Peak Roadless Areas, Snohomish and King Counties, Washington: U.S. Geological Survey Miscellaneous Field Studies Map MF-1380-A, scale, 1:100,000.

### **Eagle Rock Roadless Area--continued**

Toepfer, P. H., 1953, Investigations of the Sunset copper mine, Snohomish County, Washington: U.S. Bureau of Mines Report of Investigations 4989, 9 p.

Weaver, C. E., 1912, Geology and ore deposits of the Index mining district: Washington Geological Survey Bulletin 7, 93 p.

### **Glacier Peak Roadless Area**

Church, S. E., Mosier, F. L., Frisken, J. G., Arbogast, B. F., and McDougal, C. M., 1982, Analytical results from stream sediments and panned concentrates from stream sediments collected from the Monte Cristo and Eagle Rock study areas, Washington: U.S. Geological Survey Open-File Report 82-303, 83 p.

Church, S. E., Tabor, R. W., and Johnson, F. L., in press, Mineral resource potential map of the Glacier Peak Roadless Area, Snohomish County, Washington: U.S. Geological Survey Miscellaneous Field Studies Map MF-1380-C, scale 1:50,000.

Grant, A. R., 1969, Chemical and physical controls for base-metal deposition in the Cascade Range of Washington: Washington Division of Mines and Geology Bulletin 58, 107 p.

Johnson, F. L., Denton, D. K., McCulloch, R. B., Stebbins, S. A., Iverson, S. K., and Stotelmeyer, R. B., 1983, Mineral investigation of the Glacier Peak RARE II Area (no. 6031), Snohomish County, Washington: U.S. Bureau of Mines Open-File Report MLA 75-83, 27 p.

Misch, Peter, 1966, Tectonic evolution of the Northern Cascades of Washington State--a west-cordilleran case history, in A symposium on the tectonic history and mineral deposits of the western Cordillera, Vancouver, B. C., 1964: Canadian Institute of Mining and Metallurgy Special Volume, v. 8, p. 101-148.

Spurr, J. E., 1901, The ore deposits of Monte Cristo, Washington: U.S. Geological Survey Annual Report 22, pt. 2, p. 777-865.

Tabor, R. W., Frizzell, V. A., Jr., Yeats, R. S., and Whetten, J. T., 1982a, Geologic map of the Eagle Rock and Glacier Peak Roadless Areas, Snohomish and King Counties, Washington: U.S. Geological Survey Miscellaneous Field Studies Map MF-1380-A, scale 1:100,000.

Tabor, R. W., Zartman, R. E., and Frizzell, V. A., 1982b, Possible accreted terranes in the North Cascades Crystalline Core, Washington [abs.]: Geological Society of America Abstracts with Programs, v. 14, no. 4, p. 239.

Vance, J. A., and Miller, R. B., 1981, The movement history of the Straight Creek Fault in Washington State: The last 100 million years (mid-Cretaceous to Holocene) of geology and mineral deposits in the Canadian Cordillera: Cordillerean Section Geological Association of Canada, Programs with Abstracts, v. 6, p. 39-41.

Woodhouse, P. R., 1979, Monte Cristo: The Mountaineers, Seattle, 307 p.

### **Glacier Peak Wilderness study area**

- Brook, C. A., Mariner, R. H., Mabey, D. R., Swanson, J. R., Guffanti, Marianne, and Muffler, L.J.P., 1979, Hydrothermal convection systems with reservoir temperatures  $>90^{\circ}\text{C}$ , in Muffler, L.J.P. ed., Assessment of geothermal resources of the United States--1978: U.S. Geological Survey Circular 790, p. 18-85.
- Church, S. E., Mosier, E. L., Frisken, J. G., Arbogast, B. F., McDougal, C. M., and Evans, J. G., 1982, Analytical results for stream sediments and panned concentrates from stream sediments collected from the Glacier Peak Wilderness and adjacent areas: U.S. Geological Survey Open-File Report 82-780, 227 p.
- Church, S. E., Ford, A. B., Flanigan, V. J., and Stotelmeyer, R. B., in press, Mineral resource potential map of the Glacier Peak Wilderness and adjacent areas, Chelan, Skagit, and Snohomish Counties, Washington: U.S. Geological Survey Miscellaneous Field Studies Map MF-1652-A.
- Ford, A. B., 1983, Annotated guide to geologic reports and maps of the Glacier Peak Wilderness and adjacent areas, Northern Cascades, Washington: U.S. Geological Survey Open-File Report 83-97, 27 p.
- Grant, A. R., 1969, Chemical and physical controls for base-metal deposition in the Cascade Range of Washington: Washington Division of Mines and Geology Bulletin 58, 107 p.
- Grant, A. R., 1982, Summary of economic geology data for the Glacier Peak Wilderness, Chelan, Snohomish, and Skagit Counties, Washington: U.S. Geological Survey Open-File Report 82-408, 37 p.
- Misch, Peter, 1966, Tectonic evolution of the Northern Cascades of Washington State--a west-cordilleran case history, in Symposium on the tectonic history and mineral deposits of the western Cordillera in British Columbia and in neighboring parts of the USA: Canadian Institute of Mining and Metallurgy Special Volume 8, p. 101-148.
- Stotelmeyer, R. B., Johnson, F. L., McHugh, E. L., Federspiel, F. E., Denton, D. K., Jr., and Stebbins, S. A., 1982, Mineral investigation of the Glacier Peak Wilderness and adjacent areas, Chelan, Skagit, and Snohomish Counties, Washington: U.S. Bureau of Mines Open-File Report MLA 89-82, 36 p.
- Tabor, R. W., and Crowder, D. F., 1969, Our batholiths and volcanoes--intrusion and eruption of Late Cenozoic magmas in the Glacier Peak area, North Cascades, Washington: U.S. Geological Survey Professional Paper 604, 67 p.

### **Glacier View Roadless Area**

- Barnes, D. J., 1983, Mineral investigation of the Glacier View RARE II Area (No. A6061), Pierce County, Washington: U.S. Bureau of Mines Open-File Report MLA 16-83.
- Beikman, H. M., Gower, H. D., and Dana, T. A. M., 1961, Coal reserves of Washington: Washington Division of Mines and Geology Bulletin 47, 115 p.
- Buckovic, W. A., 1979, The Eocene deltaic system of west-central Washington, in Armentrout, J. M., Cole, M. R., and Terbest, Harry, Jr., eds., Cenozoic paleogeography of the Western United States: Society of Economic Paleontologists and Mineralogists, Pacific Section, Pacific Coast Paleogeography Symposium 3, p. 147-163.

### **Glacier View Roadless Area--continued**

- Evarts, R. C., Mosier, E. L., Church, S. E., and Barnes, D. J., 1983, Mineral resource potential of the Glacier View Roadless Area, Pierce County, Washington: U.S. Geological Survey Open-File Report 83-501.
- Fiske, R. S., Hopson, C. A., and Waters, A. C., 1963, Geology of Mount Rainier National Park, Washington: U.S. Geological Survey Professional Paper 444, 93 p.
- Grant, A. R., 1969, Chemical and physical controls for base-metal deposition in the Cascade Range of Washington: Washington Division of Mines and Geology Bulletin 58, 107 p.
- Hammond, P. E., 1980, Reconnaissance geologic map and cross sections of southern Washington Cascade Range: Portland, Oregon, Portland State University, Department of Earth Sciences, 31 p.

### **Goat Rocks Wilderness and adjacent roadless areas**

- Beikman, H. M., Gower, H. D., and Dana, T. A. M., 1961, Coal reserves of Washington: Washington Division of Mines and Geology Bulletin 47, 115 p.
- Church, S. E., Swanson, D. A., Williams, D. L., Clayton, G. A., Close, T. C., and Peters, T. J., in press, Mineral resource potential map of the Goat Rocks Wilderness and adjacent roadless areas, Lewis and Yakima Counties, Washington: U.S. Geological Survey Miscellaneous Field Studies Map MF-1653-A, scale 1:48,000.
- Fiske, R. S., Hopson, C. A., and Waters, A. C., 1963, Geology of Mount Ranier National Park, Washington: U.S. Geological Survey Professional Paper 444, 93 p.

### **Indian Heaven Roadless Area**

- Church, S. E., Hammond, P. E., and Barnes, D. J., 1983, Mineral resource potential of the Indian Heaven Roadless Area, Skamania County, Washington: U.S. Geological Survey Open-File Report 83-473.
- Schuster, J. E., Blackwell, D. D., Hammond, D. E., and Huntting, M. T., 1978, Heat flow studies in the Steamboat Mountain-Lemei Rock area, Skamania County, Washington: Washington Division of Geology and Earth Resources Information Circular 62, 56 pp.
- U.S. Geological Survey, 1981, Aeromagnetic map of the Indian Heaven area, Washington: U.S. Geological Survey Open-File Report 81-928, scale 1:62,500.

### **Long Swamp Roadless Area**

- Evarts, R. C., Frisken, J. G., and Bishop, K. R., 1983a, Geochemical analyses of rock and stream-sediment samples from the Long Swamp Roadless Area, Okanogan County, Washington: U.S. Geological Survey Open-File Report 83-227, 13 p.
- Evarts, R. C., Frisken, J. G., Bishop, K. R., and Benham, J. R., 1983b, Mineral resource potential of the Long Swamp Roadless Area, Okanogan County, Washington: U.S. Geological Survey Miscellaneous Field Studies Map MF-1550, scale 1:48,000.

### **Long Swamp Roadless Area--continued**

- Rinehart, C. D., 1981, Reconnaissance geochemical survey of gully and stream sediments, and geologic summary, in part of the Okanogan Range, Okanogan County, Washington: Washington Division of Geology and Earth Resources Bulletin 74, 24 p.
- Staatz, M. H., Weis, P. L., Tabor, R. W., Robertson, J. R., Van Noy, R. M., Pattee, E. C., and Holt, D. C., 1971, Mineral resources of the Pasayten Wilderness area, Washington: U.S. Geological Survey Bulletin 1325, 255 p.

### **Mount Adams and contiguous roadless areas**

- Cline, D. R., 1976, Reconnaissance of the water resources of the upper Klickitat River basin, Yakima Indian Reservation, Washington: U.S. Geological Survey Open-File Report 75-518, 54 p.
- Fowler, C. S., 1935, The origin of the sulfur deposits of Mount Adams: M.S. thesis, State College of Washington, Pullman, 22 p.
- Hildreth, W., and Fierstein, J., 1983, Mineral and geothermal resource potential of the Mount Adams Wilderness and contiguous roadless areas, Skamania and Yakima Counties, Washington: U.S. Geological Survey Open-File Report 83-474.
- Hopkins, K. D., 1976, Geology of the south and east slopes of Mount Adams volcano, Cascade Range, Washington: Seattle, University of Washington, unpublished Ph.D. thesis, 143 p.
- Moen, W. S., 1977, St. Helens and Washougal mining districts of the southern Cascades of Washington: Washington Division of Geology and Earth Resources, Information Circular 60, 71 p.
- Schuster, J. E., Blackwell, D. D., Hammond, P. E., and Huntting, M. T., 1978, Heat flow studies in the Steamboat Mountain-Lemei Rock area, Skamania County, Washington: Washington Division of Geology and Earth Resources, Information Circular 62, 56 p.
- U.S. Geological Survey, 1975, Aeromagnetic map for part of southwestern Washington: 4 sheets; scale 1:62,500: U.S. Geological Survey Open-File Report 75-648.

### **Northern part of the North Cascades National Park**

- Staatz, M. H., Tabor, R. W., Weis, P. L., Robertson, J. F., Van Noy, R. M., and Pattee, E. C., 1972, Geology and mineral resources of the northern part of the North Cascades National Park, Washington: U.S. Geological Survey Bulletin 1359, 132 p.

### **Pasayten Wilderness**

- Staatz, M. H., Weis, P. L., Tabor, R. W., Robertson, J. F., Van Noy, R. M., Pattee, E. C., and Holt, D. C., 1971, Mineral resources of the Pasayten Wilderness Area, Washington: U.S. Geological Survey Bulletin 1325, 255 p.
- Tabor, R. W., Engel, J. C., and Staatz, M. H., 1968, Quartz diorite-quartz monzonite and granite plutons of the Pasayten River area, Washington--petrology, age, and emplacement: U.S. Geological Survey Professional Paper 600C, p. C45-C52.

### **Salmo-Priest Wilderness study area, Washington and Idaho**

- Miller, F. K., 1982, Geologic map of Salmo-Priest wilderness study area (RARE E6-981 A1-981), Pend Oreille County, Washington and Boundary County, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF 1192-A, scale 1:48,000.
- Miller, F. K., Schmauch, S. W., and Rodriquez, E. A., 1982, Mineral resource potential map of the Salmo-Priest Wilderness study area, Pend Oreille County, Washington and Boundary County, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF 1192-C, scale 1:48,000.
- Miller, F. K., and Theodore, T. G., 1982, Molybdenum and tungsten mineralization associated with two stocks in the Harvey Creek area, northeastern Washington: U.S. Geological Survey Open-File Report 82-295, 24 p.
- Pitkin, J. A., and Duval, J. S., 1980, Interpretation of an aerial radiometric and magnetic survey of the Salmo-Priest study area (RARE-E6-981 A1-981), Pend Oreille County, Washington and Boundary County, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF 1192-B, scale 1:48,000.

### **Tatoosh Roadless Area**

- Evarts, R. C., Church, S. E., and Mosier, E. L., 1983, Mineral resources of the Tatoosh Roadless Area, Lewis County, Washington: U.S. Geological Survey Open-File Report 83-471, 15 p.
- Fiske, R. S., Hopson, C. A., and Waters, A. C., 1963, Geology of Mount Rainier National Park, Washington: U.S. Geological Survey Professional Paper 444, 93 p.
- Hammond, P. E., 1980, Reconnaissance geologic map and cross sections of southern Washington Cascade Range: Portland, Oregon, Portland State University, Department of Earth Sciences, 31 p.
- Mattinson, J. M., 1977, Emplacement history of the Tatoosh volcanic-plutonic complex, Washington: ages of zircons: Geological Society of America Bulletin, v. 88, p. 1509-1514.

### **Wenaha Tucannon Wilderness, Washington and Oregon**

- Munts, S. R., 1982a, Mineral resources of the Wenaha-Tucannon Wilderness study area (FS), Asotin, Columbia, and Garfield Counties, Washington and Wallowa County, Oregon--Summary Report: U. S. Bureau Mines File Report, 17 p.
- Munts, S. R., 1982b, Mineral resources of the Wenaha-Tucannon Wilderness, Asotin, Columbia, and Garfield Counties, Washington and Wallowa County, Oregon--File Report: U. S. Bureau Mines Open File Report.
- Ross, M. E., 1978, Stratigraphy, structure, and petrology of Columbia River basalt in a portion of the Grande Ronde-Blue Mountains area of Oregon and Washington: Moscow, Idaho University, Ph. D. thesis, 407 p.
- Swanson, D. A., Wright, T. L., and Munts, S. R., 1983, Mineral resource potential of the Wenaha Tucannon Wilderness, Washington and Oregon: U.S. Geological Survey Open-File Report 83-374.

#### **Wonder Mountain Roadless Area**

- Church, S. E., Frisken, J. G., Tabor, R. W., and Iverson, S. R., 1983, Mineral resource potential map of the Wonder Mountain Roadless Area, Mason County, Washington: U.S. Geological Survey Miscellaneous Field Studies Map MF-1418-B, scale 1:62,500.
- Frisken, J. G., Church, S. E., Mosier, E. L., and McCollum, A. D., 1983, Geochemical map of the Wonder Mountain Roadless Area, Mason County, Washington: U.S. Geological Survey Miscellaneous Field Studies Map MF-1418-C, scale 1:62,500.
- Tabor, R. W., 1982, Geologic map of the Wonder Mountain Roadless Area, Mason County, Washington: U.S. Geological Survey Miscellaneous Field Studies Map MF-1418-A, scale 1:62,500.
- Wiebelt, F. J., 1942, Final report for the Olympic Peninsula manganese project no. 301, Port Angeles, Washington: U.S. Bureau of Mines, unpublished report, p. 164.

## WEST VIRGINIA

### Cheat Mountain Roadless Area

- Behum, P. T., and Hammack, R. W., 1983, Mines, quarries, prospects, and exposures, Cheat Mountain Roadless Area, Randolph County, West Virginia: U.S. Geological Survey, Miscellaneous Field Studies Map MF-1271-D.
- Englund, K. J., Sigleo, W. R., Behum, P. T., and Hammack, R. W., 1983, Mineral resource potential map of the Cheat Mountain Roadless Area, Randolph County, West Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1271-E, scale 1:48,000.
- Englund, K. J., Sigleo, W. R., and Teaford, N. K., 1981, Geologic map of the Cheat Mountain Further Planning Area, Randolph County, West Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1271-A.
- Grosz, A. E., and Cooley, E. F., 1983, Geochemical survey of the Cheat Mountain Roadless Area, Randolph County, West Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1271-C.
- Weed, E.G.A., 1983, Oil and gas resources of the Cheat Mountain Roadless Area, Randolph County, West Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1271-B.

### Cranberry Wilderness Study Area

- Cameron, C. C. and Grosz, A. E., 1981, Peat resources, in Meissner, C. R., Jr. and others, 1981, Mineral Resources of the Cranberry Wilderness Study Area, Webster and Pocahontas Counties, West Virginia: U.S. Geological Survey Bulletin 1494, p. 40-54.
- Lesure, F. G., 1981, Geochemical survey, in Meissner, C. R., Jr., and others, 1981, Mineral resources of the Cranberry Wilderness Study Area, Webster and Pocahontas Counties, West Virginia: U.S. Geological Survey Bulletin 1494, p. 58-60.
- Meissner, C. R., Jr., Windolph, J. F., Jr., Mory, P. C. and Harrison, D. K., 1981, Mineral resources of the Cranberry Wilderness Study Area, Webster and Pocahontas Counties, West Virginia with sections on Peat resources by C. C. Cameron and A. E. Grosz; Oil and gas potential by W. J. Perry, Jr.; and Geochemical survey by F. G. Lesure: U.S. Geological Survey Bulletin 1494, 61 p.
- Perry, W. J., 1981, Oil and gas potential in Meissner, C. R., Jr. and others, Mineral resources of the Cranberry Wilderness Study Area, Webster and Pocahontas Counties, West Virginia: U.S. Geological Survey Bulletin 1494, p. 54-58.
- U.S. Bureau of Mines and U.S. Geological Survey, 1976, Coal resource classification system of the U.S. Bureau of Mines and U.S. Geological Survey: U.S. Geological Survey Bulletin 1450-B, 7 p.

### Dolly Sods Wilderness

- Englund, K. J., 1969, Geologic map of the Roaring Creek area, Randolph County, West Virginia: U.S. Geological Survey Miscellaneous Geologic Investigation Map I-577, scale 1:12,000.

### **Dolly Sods Wilderness--continued**

- Englund, K. J., Warlow, R. C., Hill, J. J., Mory, P. C., Williams, B. B., and Dunn, M. L., Jr., 1980, Mineral resources of the Dolly Sods Wilderness Area, Grant, Randolph, and Tucker Counties, West Virginia: U.S. Geological Survey Bulletin 1483-A, 52 p.
- Reger, D. B., Price, W. A., and Tucker, R. C., 1923, Tucker County: West Virginia Geological Survey (County Report), 542 p.
- White, I. C., 1903, The Appalachian coal field: West Virginia Geological Survey Reports, v. 2, pt. 2, p. 81-725.

### **Mountain Lake Wilderness Study Area, Virginia and West Virginia**

- Fish, G. E., 1967, Clinton hematitic sandstone deposits, Butt Mountain area, Giles County, Virginia: U.S. Bureau of Mines Report of Investigations RI-6966, 39 p.
- Lesure, F. G., Williams, B.B., and Dunn, M. L., Jr., 1982, Mineral resources of the Mill Creek, Mountain Lake, and Peters Mountain Wilderness Study Areas, Craig and Giles Counties, Virginia, and Monroe County, West Virginia: U.S. Geological Survey Bulletin 1510, in press.
- Mei, Leung, Fletcher, J. D., Rait, Norma, and Lesure, F. G., 1978, Analyses and description of geochemical samples, Mountain Lake Wilderness Study Area, Virginia-West Virginia: U.S. Geological Survey Open-File Report 78-1077-B, 24 p.
- Motooka, J. M., Curtis, C. A., and Lesure, F. G., 1978, Analyses of soil samples from Mountain Lake and Peters Mountain Wilderness Study Areas, Virginia-West Virginia: U.S. Geological Survey Open-File Report 78-1077-A, 8 p.

### **Otter Creek Wilderness**

- Behum, P. T., and Mory, P. C., 1981, Mines, quarries, prospects, and exposures in the Otter Creek Wilderness, Randolph and Tucker Counties, West Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1267-C.
- Siems, D. M., Meier, A. L., and Wright, N. A., 1981, Analyses and descriptions of geochemical samples, Otter Creek Wilderness, Randolph and Tucker Counties, West Virginia: U.S. Geological Survey Open-File Report 81-352, 13 p.
- Warlow, R. C., 1981, Geologic map, cross sections, generalized columnar section and structure contour map of the Otter Creek Wilderness, Randolph and Tucker Counties, West Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1267-A, scale 1:48,000.
- Warlow, R. C., Behum, P. T., Mory, P. C., 1981, Map showing mineral resource potential of the Otter Creek Wilderness, Randolph and Tucker Counties, West Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1267-E.
- Warlow, R. C., Oman, C. L., and Brooks, A. E., 1981, Chemical analysis and evaluation of 22 coal samples from the Otter Creek Wilderness and adjacent area, Randolph and Tucker Counties, West Virginia: U.S. Geological Survey Open-File Report 81-351, 34 p.

**Otter Creek Wilderness--continued**

- Weed, E.G.A., Oil and gas resources of the Otter Creek Wilderness, Randolph and Tucker Counties, W. Va: U.S. Geological Survey Miscellaneous Field Studies Map MF-1267-B.
- Wright, N. A., 1981, Reconnaissance geochemical map of the Otter Creek Wilderness, Randolph and Tucker Counties, West Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1267-B.

## WISCONSIN

### **Blackjack Springs Wilderness**

- Borman, R. G., 1971, Generalized thickness of glacial deposits in Wisconsin: Wisconsin Geologic and Natural History Survey Open-File Map.
- Dutton, C. E., and Bradley, R. E., 1970, Lithologic, geophysical, and mineral commodity maps of Precambrian rocks in Wisconsin: U.S. Geological Survey Miscellaneous Investigation Series I-631.
- Morey, G. B., Sims, P. K., Cannon, W. F., Mudrey, M. G., Jr., and Southwick, D. L., 1982, Geologic map of the Lake Superior region: Minnesota, Wisconsin, and Northern Michigan: Minnesota Geological Survey Map S-13, scale 1:1,000,000.
- Schulz, K. J., 1983, Geologic and aeromagnetic maps and mineral resource potential survey of the Blackjack Springs Wilderness, Vilas County, Wisconsin: U.S. Geological Survey Miscellaneous Field Studies Map MF-1592, scale 1:24,000.
- Zietz, I., Karl, J. H., and Ostrom, M. E., 1977, Preliminary aeromagnetic map covering the exposed Precambrian terrane in Wisconsin: U.S. Geological Survey Miscellaneous Field Studies Map MF-888, scale 1:250,000.

### **Rainbow Lake Wilderness and Flynn Lake Wilderness Study Area**

- Cannon, W. F., Cameron, C. C., Grosz, A. E., Dunn, M. L., Gazdik, G. C., and Hill, J. J., 1981, Mineral Resources of the Rainbow Lake Wilderness Area and the Flynn Lake Wilderness Study Area, Bayfield County, Wisconsin: U.S. Geological Survey Bulletin 1511, 19 p.
- White, W. S., 1978, A theoretical basis for exploration for native copper in northern Wisconsin: U.S. Geological Survey Circular 769, 19 p.

### **Round Lake Wilderness Study Area**

- Cannon, W. F., Cameron, C. C., Klasner, J. S., Grosz, A. E., Williams, B. B., 1981, Mineral resource evaluation of the Round Lake Wilderness Study Area, Price and Vilas Counties, Wisconsin: U.S. Geological Survey Bulletin 1512, 23 p.

### **Whisker Lake Wilderness**

- Dutton, C. E., 1971, Geology of the Florence area, Wisconsin and Michigan: U.S. Geological Survey Professional Paper 633, 54 p.
- Dutton, C. E., and Bradley, R. E., 1970, Lithologic, geophysical, and mineral commodity maps of Precambrian rocks in Wisconsin: U.S. Geological Survey Miscellaneous Geologic Investigations Series I-631.
- King, E. R., Henderson, J. R., and Vargo, J. L., 1966, Aeromagnetic map of Florence-Goodman area, Florence, Forest, and Marinette Counties, Wisconsin: U.S. Geological Survey Geophysical Investigations Map GP-576, scale 1:62,500.
- Schulz, K. J., 1983, Geologic, aeromagnetic, and mineral resource potential maps of the Whisker Lake Wilderness, Florence County, Wisconsin: U.S. Geological Survey Miscellaneous Field Studies Map MF-1583, scale 1:24,000.

## WYOMING

### **Beartooth Primitive Area and vicinity, Montana and Wyoming**

Simons, F. S., and Armbrustmacher, T. J., Van Noy, R. M., Zilka, N. T., Federspiel, F. E., and Ridenour, James, 1979, Mineral resources of the Beartooth Primitive Area and vicinity, Carbon, Park Stillwater, and Sweet Grass Counties, Montana, and Park County, Wyoming: U.S. Geological Survey Bulletin 1391-F, 125 p.

### **Bridger Wilderness and Green-Sweetwater Roadless Area**

Worl, R. G., Lee, G. K., Long, C. L., and Ryan, G. S., in press, Mineral resource potential map of the Bridger Wilderness and Green-Sweetwater Roadless Area, Wyoming: U.S. Geological Survey Miscellaneous Field Studies Map MF-1636-A.

### **Cloud Peak Primitive Area and adjacent areas**

Kiilsgaard, T. H., Ericksen, G. E., Patten, L. L., and Bieniewski, C. L., 1972, Mineral survey of the Cloud Peak Primitive Area, Wyoming: U.S. Geological Survey Bulletin 1371-C, 60 p.

### **Cloud Peak Contiguous, Rock Creek, Piney Creek, and Little Goose Roadless Areas**

Kiilsgaard, T. H., Ericksen, G. E., Patten, L. L., and Bieniewski, C. L., 1972, Mineral survey of the Cloud Peak Primitive Area, Wyoming: U.S. Geological Survey Bulletin 1371-C, 60 p.

Segerstrom, Kenneth, and Weisner, R. C., 1976, Mineral resources of areas adjacent to the Cloud Peak Primitive Area, Wyoming: U.S. Geological Survey Bulletin 1391-D, 37 p.

Segerstrom, Kenneth, and Hladky, F. R., 1983, Mineral resource potential of parts of the Cloud Peak Contiguous, Little Goose, and Rock Creek Further Planning Areas, Big Horn, Johnson, and Sheridan Counties, Wyoming: U.S. Geological Survey Open-File Report 83-469.

### **Glacier Primitive Area**

Granger, H. C., McKay E. J., Mattick R. E., Patten, L. L., and McIlray, Paul, 1971, Mineral resources of the Glacier Primitive Area, Wyoming: U.S. Geological Survey Bulletin 1319-F, 113p.

### **Gros Ventre Wilderness study area**

Simons, F. S., Love, J. D., Keefer, W. R., and Harwood, D. S., Bieniewski, C. L., 1981, Mineral resources of the Gros Ventre Wilderness study area, Teton and Sublette Counties, Wyoming: U.S. Geological Survey Open-File Report 81-510, 93 p.

### **Huston Park Roadless Area**

- Beckinsale, R. D., 1979, Granite magmatism in the tin belt of southeast Asia, in Atherton, M. P. and Tarney, J., editors, Origin of granite batholiths geochemical evidence: Kent, A. K., Shira Publishing Ltd., p. 34-44.
- Franklin, J. M., Lydon, J. W., and Sangster, D. M., 1981, Volcanic-associated massive sulphide deposits, in Skinner, B., editor, Seventy-fifth anniversary volume economic geology: Lancaster Press, Pa., Economic Geological Publishing Company, p. 485-627.
- Hills, F. A., and Houston, R. S., 1979, Early Proterozoic tectonics of the central Rocky Mountains, North America: Contributions to Geology, v. 17, p. 89-109.
- Houston, R. S., Smith, T. G., and Lane, M. E., in press, Mineral resource potential map of the Huston Park Roadless Area, Carbon County, Wyoming: U.S. Geological Survey Miscellaneous Field Studies Map MF-1637-A.

### **Laramie Peak Wilderness study area**

- Segerstrom, Kenneth, and Weisner, R. C., 1977, Mineral resources of the Laramie Peak study area, Albany and Converse Counties, Wyoming: U.S. Geological Survey Bulletin 1397-B, 35 p.

### **North Absaroka Wilderness**

- Nelson, W. H., Prostka, H. J., and Williams, F. E., 1980, Geology and mineral resources of the North Absaroka Wilderness and vicinity, Park County, Wyoming, with sections on Mineralization of the Sunlight mining region and Geology and mineralization of the Cooke City mining district by J. E. Elliott, and a section on Aeromagnetic survey by D. L. Peterson: U.S. Geological Survey Bulletin 147, 101 p.

### **Popo Agie Primitive Area**

- Pearson, R. C., Killsgaard, T. H., and Patten, L. L., 1971, Mineral resources of the Popo Agie Primitive Area, Fremont and Sublette Counties, Wyoming: U.S. Geological Survey Bulletin 1353-B, 55 p.
- Pearson, R. C., Patten, L. L., and Gaskill, D. L., 1973, Mineral resources of an area near the Popo Agie Primitive Area, Fremont County, Wyoming: U.S. Geological Survey Bulletin 1391-A, 18 p.

### **Savage Run Wilderness**

- Houston, R. S., and others, 1968, A regional study of rocks of Precambrian age in that part of the Medicine Bow Mountains lying in southeastern Wyoming, with a chapter on the relationship between Precambrian and Laramide structure: Wyoming Geological Survey Memoir 1, 167 p.
- McCallum, M. E., and Kluender, S. E., in press, Mineral resource potential map of the Savage Run Wilderness, Albany and Carbon Counties, Wyoming: U.S. Geological Survey Miscellaneous Field Studies Map MF-1638-A.
- U.S. Bureau of Mines, 1942, Rambler Mine, Albany County, Wyoming: War Minerals Report 17, 7 p.
- U.S. Geological Survey, 1976, Aeromagnetic map of Keystone and vicinity, Wyoming: U.S. Geological Survey Open-File Report 76-687, scale 1:62,500.

### **Sheep Mountain Wilderness study area**

- Glass, G. B.; Wendell, W. G.; Root, F. H., and Breckenridge, R. M., 1975, Energy resources map of Wyoming: Wyoming Geological Survey.
- Houston, R. S., and Murphy, J. F., 1962, Titaniferous black sandstone deposits of Wyoming: Wyoming Geological Survey Bulletin, 49, 120 p.
- Houston, R. S., Patten, L. L., and Gersic, J., 1983, Mineral resources of the Sheep Mountain Wilderness study area, Albany County, Wyoming: U.S. Geological Survey Open-File Report 83-468.
- Smithson, S. B., Brewer, J., Kaufman, S., Oliver, J., and Hurich, C., 1979, Nature of the Wind River thrust, Wyoming, from COCORP deep reflection data and gravity data: Geology, v. 6, p. 648-652.
- Stone, D. S., 1966, Geologic and economic evaluation of the Laramie-Eastern Hanna Basin area, Wyoming: Mountain Geologist, v. 3, p. 53-73.

### **Snowy Range Wilderness**

- Borgman, L. E., Sever, C. K., Quimby, W. F., Angrew, M. E., Houston, R. S., and Karlstrom, K. E., 1981, Uranium assessment for the Precambrian pebble conglomerates in southeastern Wyoming: Grand Junction, Colorado, U.S. Department of Energy, Report GJBX-139-81, Vol. 3, 159 p.
- Houston, R. S., Karlstrom, K. E., Lanthier, L. R., Miller, W. R., and Bigsby, P. R., 1983, Mineral resource potential map of the Snowy Range Wilderness study area, Albany and Carbon Counties, Wyoming: U.S. Geological Survey Miscellaneous Field Studies Map MF-1596-A, scale 1:50,000.
- Karlstrom, K. E., Houston, R. S., Flurkey, A. J., Coolidge, C. M., Kratochvil, A. L., and Sever, C. K., 1981a, A summary of geology and uranium potential of Precambrian conglomerates in southeastern Wyoming: Grand Junction, Colorado, U.S. Department of Energy, Report GJBX-139-81, Vol. 1, 541 p.
- Karlstrom, K. E., Houston, R. S., Schmidt, T. G., Inlow, David, Flurkey, A. S., Kratochvil, A. L., Coolidge, C. M., Sever, C. K., and Quimby, W. F., 1981b, Drill-hole data, drill-site geology, and geochemical data from the study of Precambrian uraniferous conglomerates of the Medicine Bow Mountains and the Sierra Madre of southeastern Wyoming: Grand Junction, Colorado, U.S. Department of Energy, Report GJBX-139-81, Vol. 2, 682 p.

### **Stratified Primitive Area**

- Ketner, K. B., Keefer, W. R., Fisher, F. S., Smith, D. L., and Raabe, R.G., 1966, Mineral resources of the Stratified Primitive Area, Wyoming: U.S. Geological Survey Bulletin 1230-E, 56 p.

### **Teton Wilderness, Teton Corridor, and Du Noir Addition to Washakie Wilderness**

- Antweiler, J. C., Love, J. D., Prostka, H. J., Williams, F. E., Jinks, J. E., and Light, T. D., 1983, Preliminary report on mineral resources of the Teton Wilderness and adjacent areas, Teton, Fremont, and Park Counties, Wyoming: U.S. Geological Survey Open-File Report 83-470.
- Love, J. D., Antweiler, J. C., and Williams, F. E., 1975, Mineral resources of the Teton Corridor, Teton County, Wyoming: U.S. Geological Survey Bulletin 1397-A, 51 p.
- Prostka, H. J., Antweiler, J. C., and Bieniewski, C. L., 1979, Mineral resources of the Du Noir Addition, Washakie Wilderness, Fremont County, Wyoming: U.S. Geological Survey Bulletin 1472, 35 p.

### **Northern part of the Washakie Wilderness and nearby roadless areas**

Antweiler, J. C., Rankin, D. W., Fisher, F. S., Long, C. W., Love, J. D., Bieniewski, C. L., and Smith, C. S., 1983, Mineral resource potential of the northern part of the Washakie Wilderness and nearby roadless areas, Park County, Wyoming: U.S. Geological Survey Miscellaneous Field Studies Map MF-1597-A, scale 1:125,000.

### **West and East Palisades Roadless Areas, Idaho and Wyoming**

- Benham, J. R., 1983, Mineral investigation of the Palisades RARE II areas (Nos. W4613 and E4613), Bonneville and Teton Counties, Idaho, and Lincoln and Teton Counties, Wyoming: U.S. Bureau of Mines Open-File Report MLA 46-83, 11 p.
- Blackwell, D. D., 1978, Heat flow and energy loss in the western United States, *in* Smith, R. B. and Eaton, G. P., eds., 1978, Cenozoic tectonics and regional geophysics of the western Cordillera: Geological Society of America Memoir 152, p. 175-208.
- Gere, W. C., Schell, E. M., and Moore, K. P., 1966, Stratigraphic sections and phosphate analyses of Permian rocks in the Teton Range and parts of the Snake River and Gros Ventre Ranges, Idaho and Wyoming: U.S. Geological Survey Open-file report, 71 p.
- Love, J. D., and Antweiler, J. C., 1973, Copper, silver, and zinc in Nugget Sandstone, western Wyoming, *in* Wyoming Geological Association Guidebook, 25th Annual Field Conference: p. 139-147.
- Oriel, S. S., and Benham, John, in press, Mineral resource potential map of the West and East Palisades Roadless Areas, Bonneville and Teton Counties, Idaho, and Lincoln and Teton Counties, Wyoming: U.S. Geological Survey Miscellaneous Field Studies Map MF-1619-A.
- Petroleum Information, 1981, The Overthrust Belt-1981: Denver, Colorado, Petroleum Information Corporation, 251 p.
- Powers, R. B., 1978, Map showing oil and gas resource potential of RARE II proposed roadless areas in National forests in the Idaho-Utah-Wyoming overthrust belt: U.S. Geological Survey Open-File Report 78-956, scale 1:500,000.
- Sheldon, R. P., 1963, Physical stratigraphy and mineral resources of Permian rocks in western Wyoming: U.S. Geological Survey Professional Paper 313-B, p. 49-273.
- U.S. Geological Survey, 1977, Development of phosphate resources in southeastern Idaho: U.S. Geological Survey Final Environmental Impact Statement Report 77-37.
- Ver Ploeg, A. J., and De Bruin, R. H., 1982, The search for oil and gas in the Idaho-Wyoming-Utah salient of the Overthrust Belt: Wyoming Geological Survey Report Investigation 21, 108 p.

### **West Slope Tetons Roadless Area**

- Gere, W. C., Schell, E. M., and Moore, K. P., 1966, Stratigraphic sections and phosphate analyses of Permian rocks in the Teton Range and parts of the Snake River and Gros Ventre Ranges, Idaho and Wyoming: U.S. Geological Survey Open-file report, 71 p.

**West Slope Tetons Roadless Area--continued**

- Love, J. D., and Reed, J. C., Jr., 1975, Geologic map of the Teton Village quadrangle, Teton County, Wyoming: U.S. Geological Survey Open-File Report 75-335, scale 1:24,000.
- Myers, W. B., and Kluender, S. E., in press, Mineral resource potential map of West Slope Tetons Roadless Area, Teton County, Wyoming: U.S. Geological Survey Miscellaneous Field Studies Map MF-1654-A, scale 1:24,000.
- Pampeyan, E. H., Schroeder, M. L., Schell, E. M., and Cressman, E. R., 1967, Geologic map of the Driggs quadrangle, Bonneville and Teton Counties, Idaho, and Teton County, Wyoming: U.S. Geological Survey Mineral Investigation Field Studies Map MF-300, scale 1:31,680.
- Schroeder, M. L., 1969, Geologic map of the Teton Pass quadrangle, Teton County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-793, scale 1:24,000.
- \_\_\_\_\_, 1972, Geologic map of the Rendezvous Peak quadrangle, Teton County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-980, scale 1:24,000.
- U.S. Geological Survey, 1977, Development of phosphate resources in southeastern Idaho: U.S. Geological Survey Final Impact Statement Report 77-37, volume 1.