

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Mineral surveys of southeastern National Forest
roadless and wilderness areas

compiled by
Daniel R. Birch¹ and Frank G. Lesure¹

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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.

¹ Reston, Virginia

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Introduction

Under the provisions of the Wilderness Act (Public Law 88-577, September 3, 1964) and related acts, the U.S. Geological Survey and the U.S. Bureau of Mines have been conducting mineral surveys of wilderness and primitive areas. Areas officially designated as "wilderness," "wild," or "canoe" when the act was passed were incorporated into the National Wilderness Preservation System, and some of them are presently being studied. The act provided that areas under consideration for wilderness designation should be studied for suitability for incorporation into the Wilderness System. The mineral surveys constitute one aspect of the suitability studies. The act directs that the results of such surveys are to be made available to the public and be submitted to the President and the Congress. This report outlines the status of mineral surveys of southeastern National Forest roadless and wilderness areas. The locations of these areas are shown in figures 1 through 9.

Explanation of table

Information on the mineral resources of the roadless and wilderness areas is compiled in Table 1 from the references listed below. The number following the name of the National Forest is the individual roadless area identification number listed by the U.S. Forest Service. Abbreviations used in the table and on the location maps are: W, roadless area recommended for wilderness during the Second Roadless Area Review and Evaluation (RARE II), U.S. Forest Service, January, 1979; NW, roadless area recommended for nonwilderness use during RARE II; FP, roadless area recommended for further planning during RARE II; WSA, wilderness study area designated by public law.

Mineral-resource potential is a measure of the likelihood of the occurrence of metallic, nonmetallic, energy, and industrial mineral resources. Abbreviations and symbols used in the table for Mineral Resource Potential are: H, high potential, M, moderate potential, L, low potential; U, unknown potential; O, not present or no potential. X indicates that the mineral commodity is present as a resource, but has an unqualified potential for use. This would apply, for example, to sand and gravel, which are commonly present, but where factors for use, such as distance to market and size of deposit, have not been studied and are subject to varying economic conditions. Mineral commodity abbreviations are: Ag, silver; Au, gold; Ba, barium, Be, beryllium, Co, cobalt, Cr, chromium; Cu, copper; Fe, iron; Mn, manganese; Mo, molybdenum; Nb, niobium; Ni, nickel, P, phosphate; Pb, lead; Qtz, quartz; Si, silicon; Sn, tin; Ti, titanium; U, uranium; W, tungsten; Zn, zinc.

References cited

- 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.
- Cameron, C. C., Force, E. R., Gazdik, G. C., 1979, Mineral resources of the Wambaw Swamp Wilderness Study Area, Charleston County, South Carolina: U.S. Geological Survey Open-File Report 79-229, 35 p.
- 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.
- Cameron, C.C., and Mory, P.C., 1977, Mineral resources of the Bradwell Bay Wilderness and the Sopchoppy River Wilderness Study Area, Wakulla County, Florida: U.S. Geological Survey Bulletin 1431, 37 p.
- Cathcart, J. B., Patterson, S. H., and Crandall, T. M., 1983a, Mineral resource potential map of the Farles Prairie and Buck Lake Roadless Areas, Ocala National Forest, Marion County, Florida: U.S. Geological Survey Miscellaneous Field Studies Map MF-1591-B (in press).
- Cathcart, J. B., Patterson, S. H., and Crandall, T. M., 1983b, Mineral resource potential map of the Natural Area Roadless Area, Osceola National Forest, Baker County, Florida: U.S. Geological Survey Miscellaneous Field Studies Map MF-1572-B.
- Crandall, 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 Miscellaneous Field Studies Map MF-1391-A.

- D'Agostino, J. P., Whitlow, J. W., Siems, D. F., 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 Wilderness Field Studies Map MF-1610-A (in press).
- 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.
- Englund, K. J., Johnson, P. L., Hammack, R. W., and Ross, R. B., Jr., 1983a, Mineral resource potential maps of the Beaver Creek Wilderness, McCreary County, Kentucky: U.S. Geological Survey Miscellaneous Field Studies Map MF-1348-D.
- Englund, K. J., Sigleo, W. R., Behum, P. T., and Hammack, R. W., 1983b, Mineral resource potential maps of the 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., and Behum, P. T., 1983, Mineral resource potential map of Devils Fork Roadless Area, Scott County, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1611-C (in press).
- 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.
- Foose, M. P., Thompson, R. M., and Girol, V. P., 1983, Mineral resource potential map of the Rich Mountain Roadless Area, Fannin and Gilmer Counties, Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1586-C.
- 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.
- 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.
- Griffitts, W. R., and Bitar, Richard, 198_, 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 (in press).
- 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.

- Griffitts, W. R., and Jones, J. G., 1983, Mineral resource potential of the Flint Mill Roadless Area, Johnson and Carter Counties, Tennessee: U.S. Geological Survey Open-File Report 83-509.
- 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.
- Koeppen, R. P., Armstrong, M. K., Nelson, A. E., and Sabin, A. E., 1983a, Mineral resource potential of the Blood Mountain Roadless Area, Union and Lumpkin Counties, Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1503-C (in press).
- Koeppen, R. P., Nelson, A. E., and Davis, M. P., 1983b, 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 (in press).
- Lesure, F. G., Force, E. R., Windolph, J. R., and Hill, J. J., 1977a, Mineral resources of the Joyce Kilmer-Slickrock Wilderness Area, North Carolina-Tennessee: U.S. Geological Survey Bulletin 1416, 89 p.
- Lesure, F. G., Geraci, P. J., Mory, P. C., and Williams, B. B., 1977b, Mineral resources of the Ramseys Draft Wilderness Study Area, Augusta County, Va.: U.S. Geological Survey Bulletin 1397-C, 42 p.
- Lesure, F. G., and Dunn, M. L., Jr., 1982, Mineral resources 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.
- 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.
- Lesure, F. G., Grosz, A. E., Williams, B. B., and Gazdik, G. C., 1982a, Mineral resources of the Craggy Mountain Wilderness Study Area and Extension, Buncombe County, North Carolina: U.S. Geological Survey Bulletin 1515, 27 p.
- Lesure, F. G., Williams, B. B., and Dunn, M. L., Jr., 1982b, 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.
- 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.

- 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.
- Lesure, F. G., Chatman, M. L., Behum, P. T., and Wawro, T. J., 1983, Mineral resources map of the Southern Massanutten Roadless Area, Page and Rockingham Counties, Virginia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1527-D, scale 1:48,000.
- Luce, R. W., Bell, Henry, III, and Gazdik, G. C., 1982, Mineral resource potential map of the Ellicott Rock Wilderness and Additions: U.S. Geological Survey Miscellaneous Field Studies Map MF-1287-D.
- 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: U.S. Geological Survey Bulletin 1494, 61 p.
- Nelson, A. E., Koeppen, R. P., and Chatman, M. L., 1983a, Mineral resource potential map of the Tray Mountain Roadless Area, Northern Georgia: U.S. Geological Survey Miscellaneous Field Studies Map MF-1347-D (in press).
- Nelson, A. E., Koeppen, R. P., Welsh, R. A., Jr., and Mikolajczyk, R. W., 1983b, 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 (in press).
- 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.
- Patterson, S. H., Armstrong, M. K., and Mory, P. C., 1983, Mineral resource potential map 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-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-A (in press).
- 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.
- Sigleo, W. R., Randall, A. H., III, Ross, R. B., Jr., and Hammack, R. W., 1982, Mineral resource potential map of the Troublesome Roadless Area, McCreary County, Kentucky: U.S. Geological Survey Miscellaneous Field Studies Map MF-1341-C.

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 [to be superceded by Bulletin 1552 (in press)].

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.

Warlow, R. C., Behum, P. T., Mory, P. C., 1981, Maps 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, scale 1:50,000.

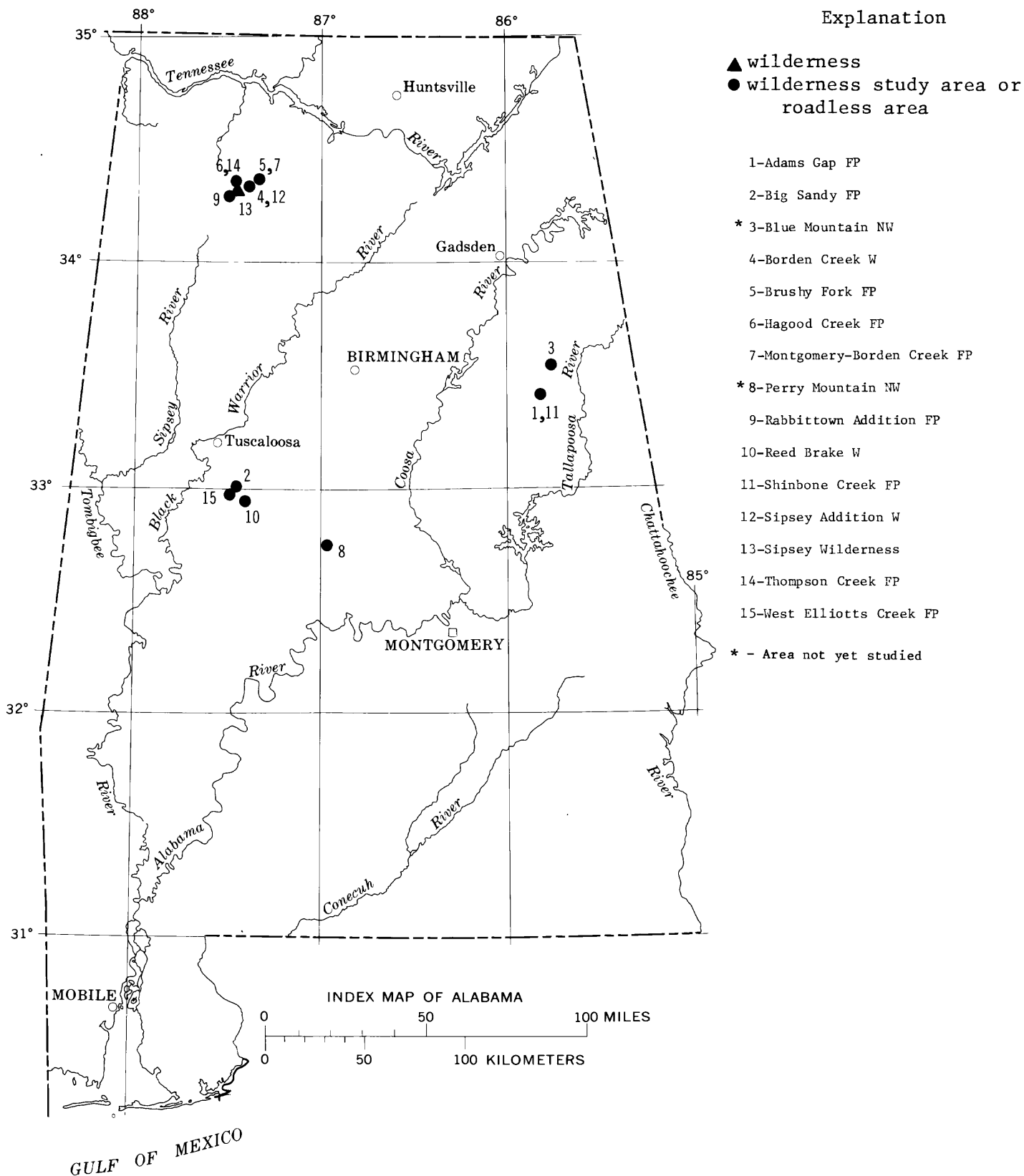


Figure 1.-- Location of roadless and wilderness areas in Alabama. (See text for explanation of abbreviations.)

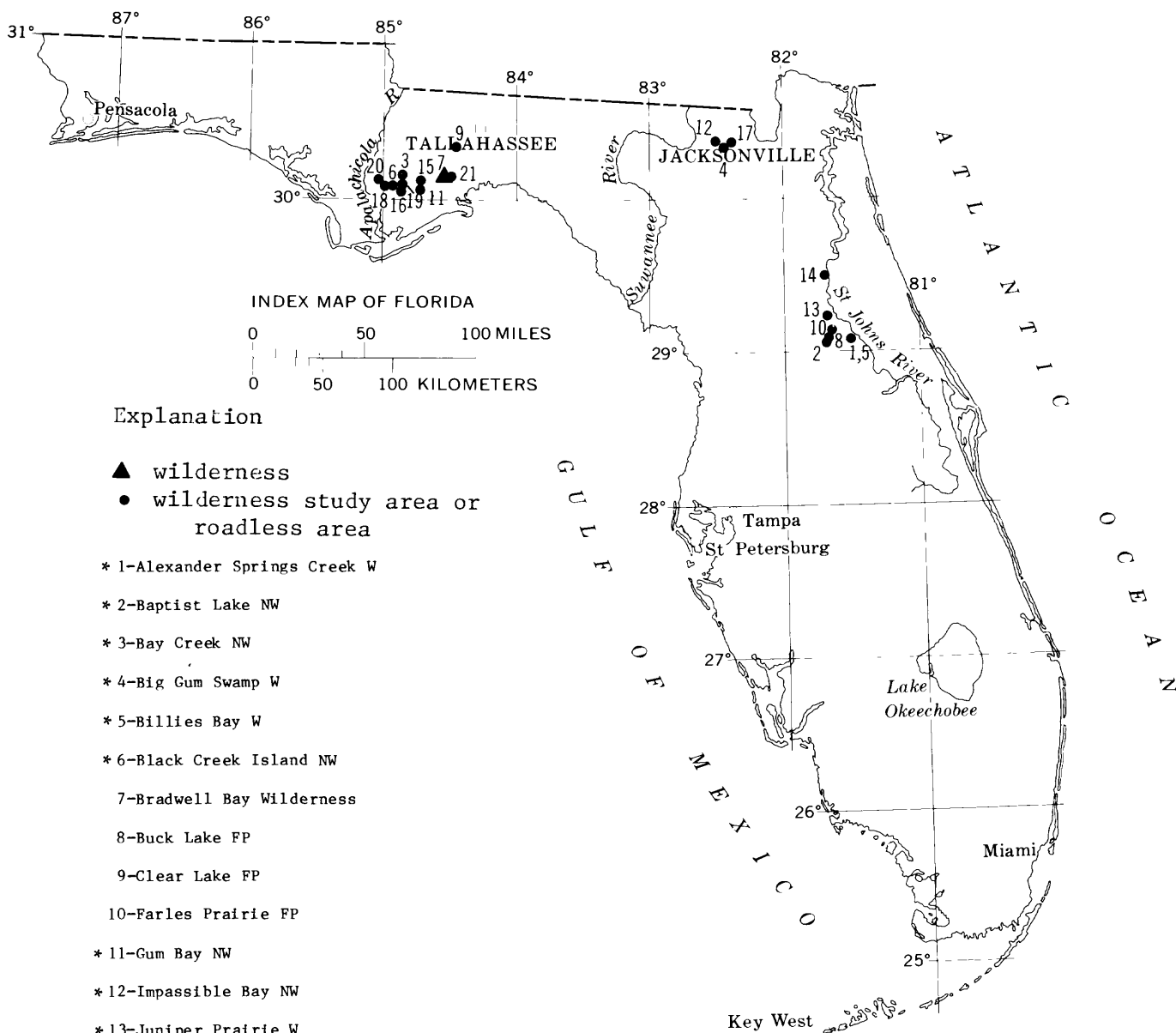


Figure 2.-- Location of roadless and wilderness areas in Florida. (See text for explanation of abbreviations.)

Explanation

- ▲ wilderness
- wilderness study area or roadless area

- | | |
|----------------------|------------------------------|
| * 1-Anna Ruby NW | 9-Ellicott Rock Extension NW |
| 2-Big Frog WSA | 10-Ellicott Rock Extension W |
| 3-Blood Mountain FP | 11-Ellicott Rock Wilderness |
| * 4-Board Camp NW | 12-Hemp Top FP |
| * 5-Brasstown W | 13-Overflow FP |
| * 6-Buzzard Knob NW | * 14-Rabun Bald NW |
| 7-Chattahoochee FP | * 15-Rand Mountain NW |
| 8-Cohutta Wilderness | * 16-Raven Cliff NW |
| | * 17-Raven Cliff W |
| | 18-Rich Mountain FP |
| | * 19-Southern Nantahala NW |
| | * 20-Southern Nantahala W |
| | * 21-Wolf Pen W |
| | 22-Tray Mountain FP |
| | * 23-Worley Ridge NW |
| | * - Area not yet studied |

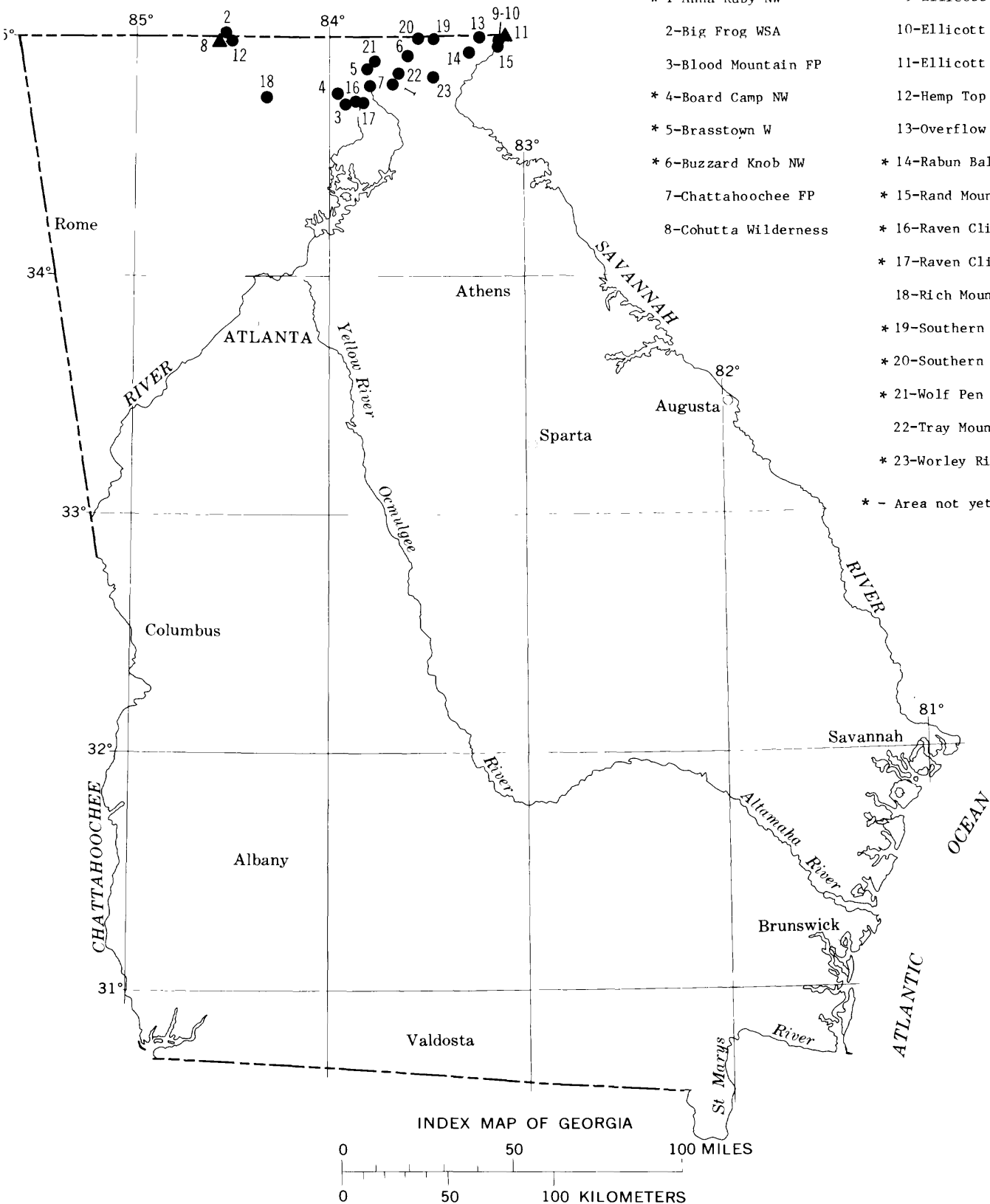
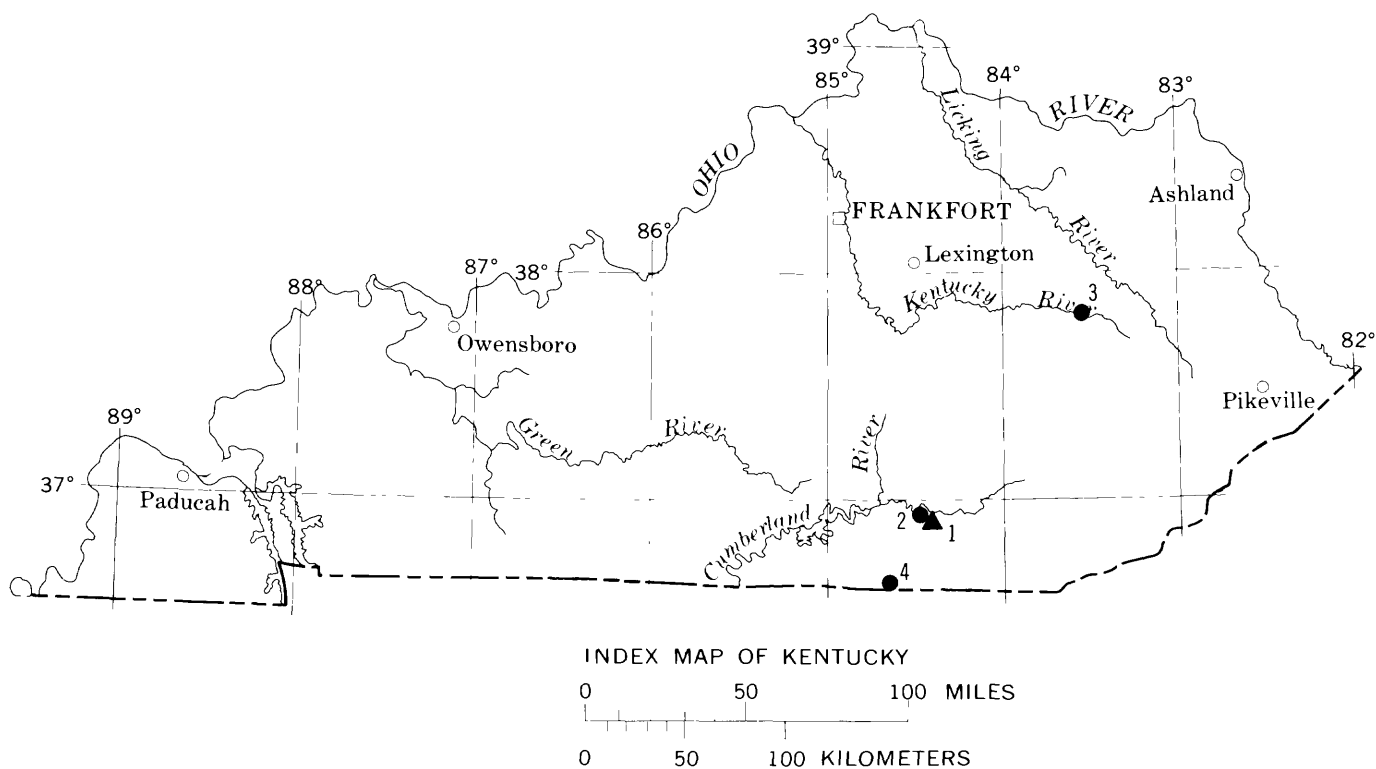


Figure 3.-- Location of roadless and wilderness areas in Georgia. (See text for explanation of abbreviations.)



Explanation

- ▲ wilderness
- wilderness study area or roadless area

1-Beaver Creek Wilderness

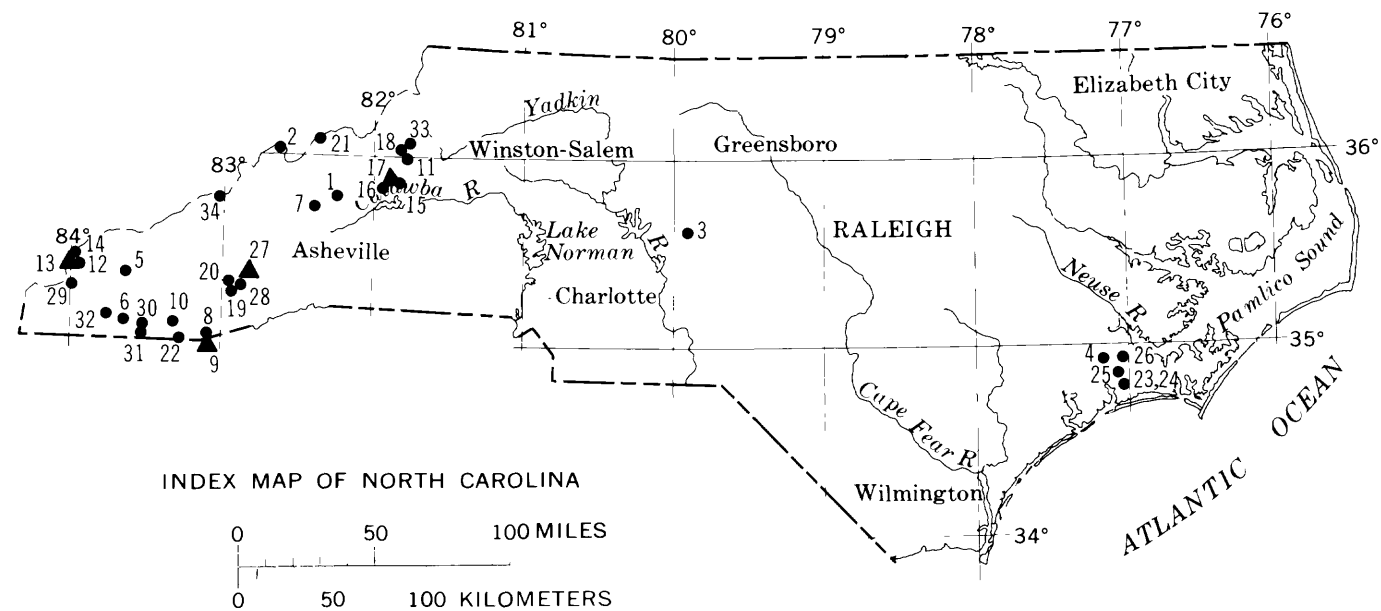
* 2-Cave Creek Cove NW

* 3-Clifty W

4-Troublesome FP

* - Area not yet studied

Figure 4.-- Location of roadless and wilderness areas in Kentucky. (See text for explanation of abbreviations.)



Explanation

- ▲ wilderness
- wilderness study area or roadless area

- | | |
|--|---|
| * 1-Balsam Cone NW | 18-Lost Cove FP |
| * 2-Big Creek NW | * 19-Middle Prong W |
| * 3-Birkhead Mountain W | * 20-Middle Prong NW |
| * 4-Catfish Lake South W | * 21-Nolichucky NW |
| * 5-Cheoah Bald NW | 22-Overflow FP |
| * 6-Chunky Gal NW | * 23-Pocosin NW |
| 7-Craggy Mountain WSA and Extension FP | * 24-Pocosin W |
| 8-Ellicott Rock Extension W | * 25-Pond Pine W |
| 9-Ellicott Rock Wilderness | * 26-Sheep Ridge W |
| * 10-Fishhawk Mountain NW | 27-Shining Rock Wilderness and *Extension W |
| 11-Harper Creek FP | * 28-Shining Rock Extension NW |
| * 12-Joyce Kilmer-Slickrock W | 29-Snowbird FP |
| 13 Joyce Kilmer-Slickrock Wilderness | * 30-Southern Nantahala NW |
| * 14-Joyce Kilmer-Slickrock NW | * 31-Southern Nantahala W |
| * 15-Linville Gorge Extension NW | * 31-Tusquittee Mountains W |
| 16-Linville Gorge Addition W | * 32-Upper Wilson NW |
| 17-Linville Gorge Wilderness | * 33-Wildcat NW |

* - Area not yet studied

Figure 5.-- Location of roadless and wilderness areas in North Carolina.
(See text for explanation of abbreviations.)

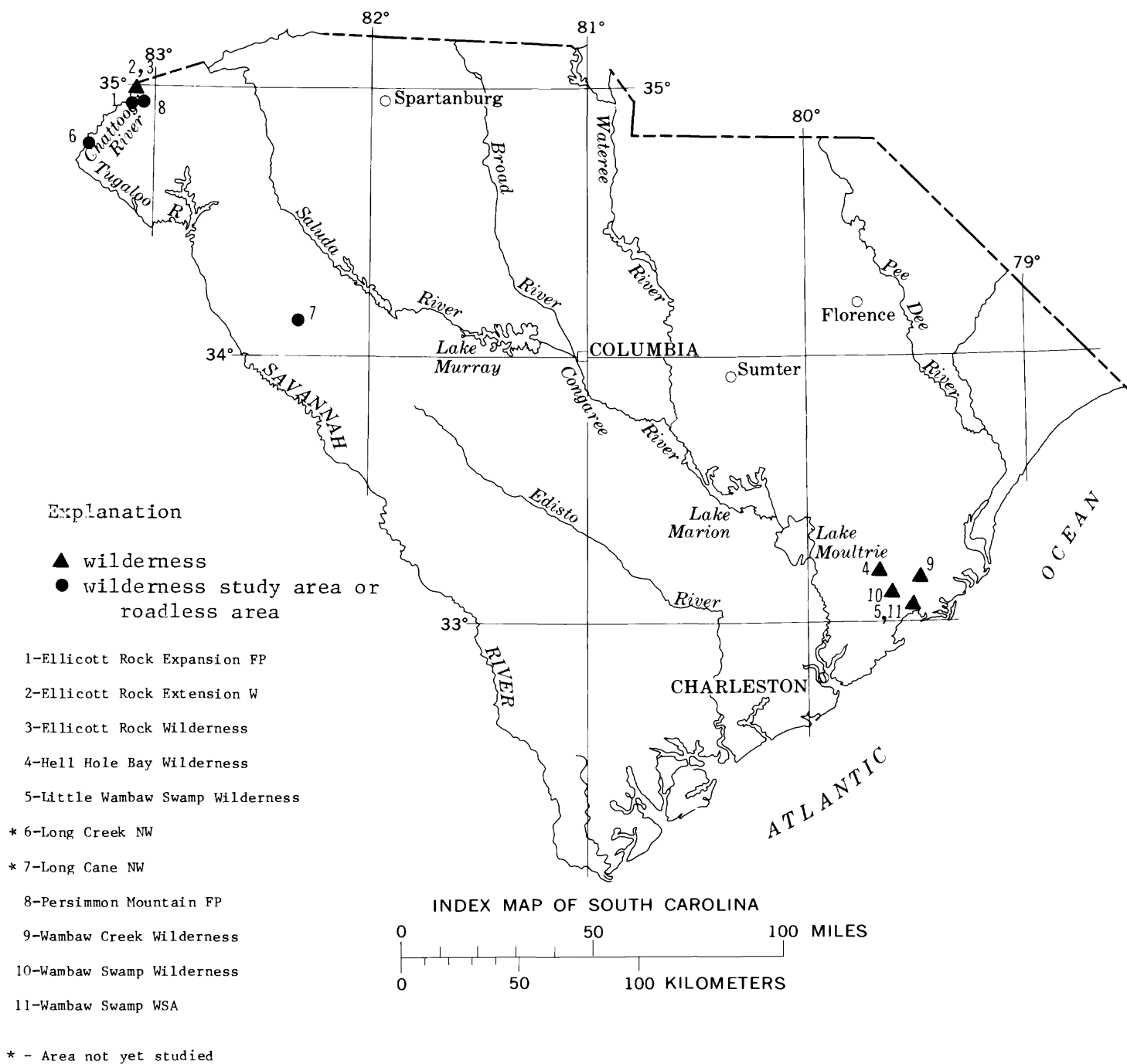
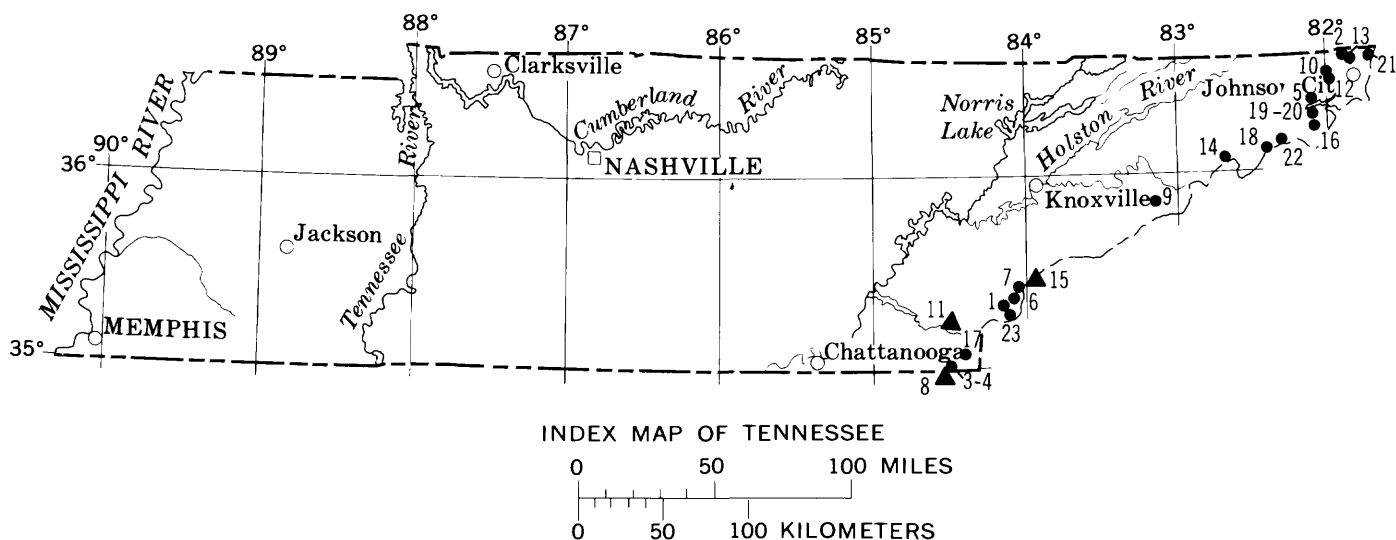


Figure 6.-- Location of roadless and wilderness areas in South Carolina.
 (See text for explanation of abbreviations.)



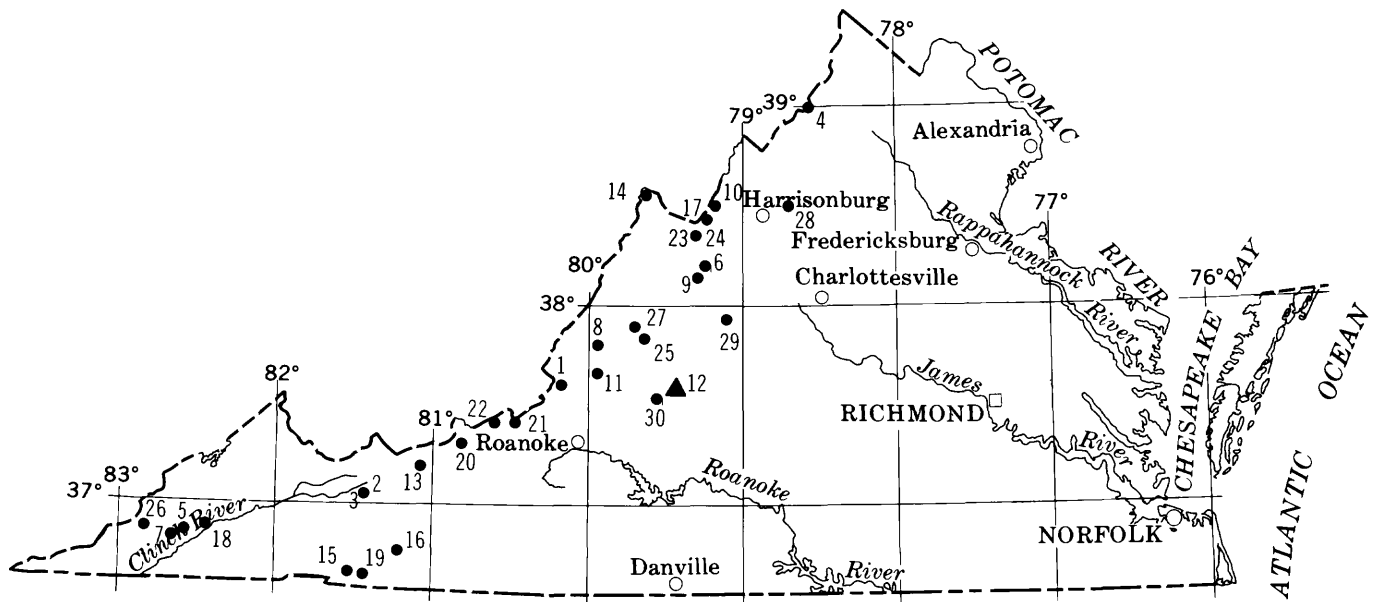
Explanation

- ▲ wilderness
- wilderness study area or roadless area

- | | |
|-----------------------------|--------------------------------------|
| * 1-Bald River Gorge W | * 13-Iron Mountain NW |
| * 2-Beaver Dam Creek NW | * 14-Jennings Creek NW |
| 3-Big Frog Addition FP | 15-Joyce Kilmer-Slickrock Wilderness |
| 4-Big Frog WSA | * 16-Laurel Fork NW |
| * 5-Big Laurel Branch NW | 17-Little Frog Mountain FP |
| * 6-Brushy Ridge NW | * 18-Nolichucky NW |
| 7-Citico Creek WSA | 19-Pond Mountain FP |
| 8-Cohutta Wilderness | 20-Pond Mountain Addition FP |
| * 9-Devils Backbone NW | * 21-Rogers Ridge NW |
| 10-Flint Mill FP | 22-Unaka Mountain FP |
| 11-Gee Creek Wilderness | * 23-Upper Bald River NW |
| * 12-Hickory Flat Branch NW | |

* - Area not yet studied

Figure 7.-- Location of roadless and wilderness areas in Tennessee. (See text for explanation of abbreviations.)



INDEX MAP OF VIRGINIA
 0 50 100 MILES
 0 50 100 KILOMETRES

Explanation

wilderness
 wilderness study area or
 roadless area

- | | |
|--------------------------------|------------------------------|
| * 1-Barbours Creek NW | * 16-Little Dry Run W |
| * 2-Beartown W | * 17-Little River NW |
| * 3-Beartown NW | * 18-Little Stony NW |
| * 4-Big Schloss NW | * 19-Little Wilson Creek W |
| * 5-Big Stony NW | 20-Mill Creek WSA |
| * 6-Crawford Mountain NW | 21-Mountain Lake WSA |
| 7-Devils Fork FP | 22-Peters Mountain WSA |
| 8-Dolly Ann FP | 23-Ramseys Draft WSA |
| * 9-Elliott Knob NW | 24-Ramseys Draft Addition FP |
| * 10-Head of Dry River W | * 25-Rich Hole W |
| * 11-Hoop Hole NW | * 26-Roaring Branch NW |
| 12-James River Face Wilderness | * 27-Rough Mountain W |
| * 13-Kimberling Creek W | 28-Southern Massanutten FP |
| * 14-Laurel Fork NW | * 29-St. Mary's W |
| * 15-Lewis Fork W | * 30-Thunder Ridge W |

* - Area not yet studied

Figure 8.-- Location of roadless and wilderness areas in Virginia. (See text for explanation of abbreviations.)

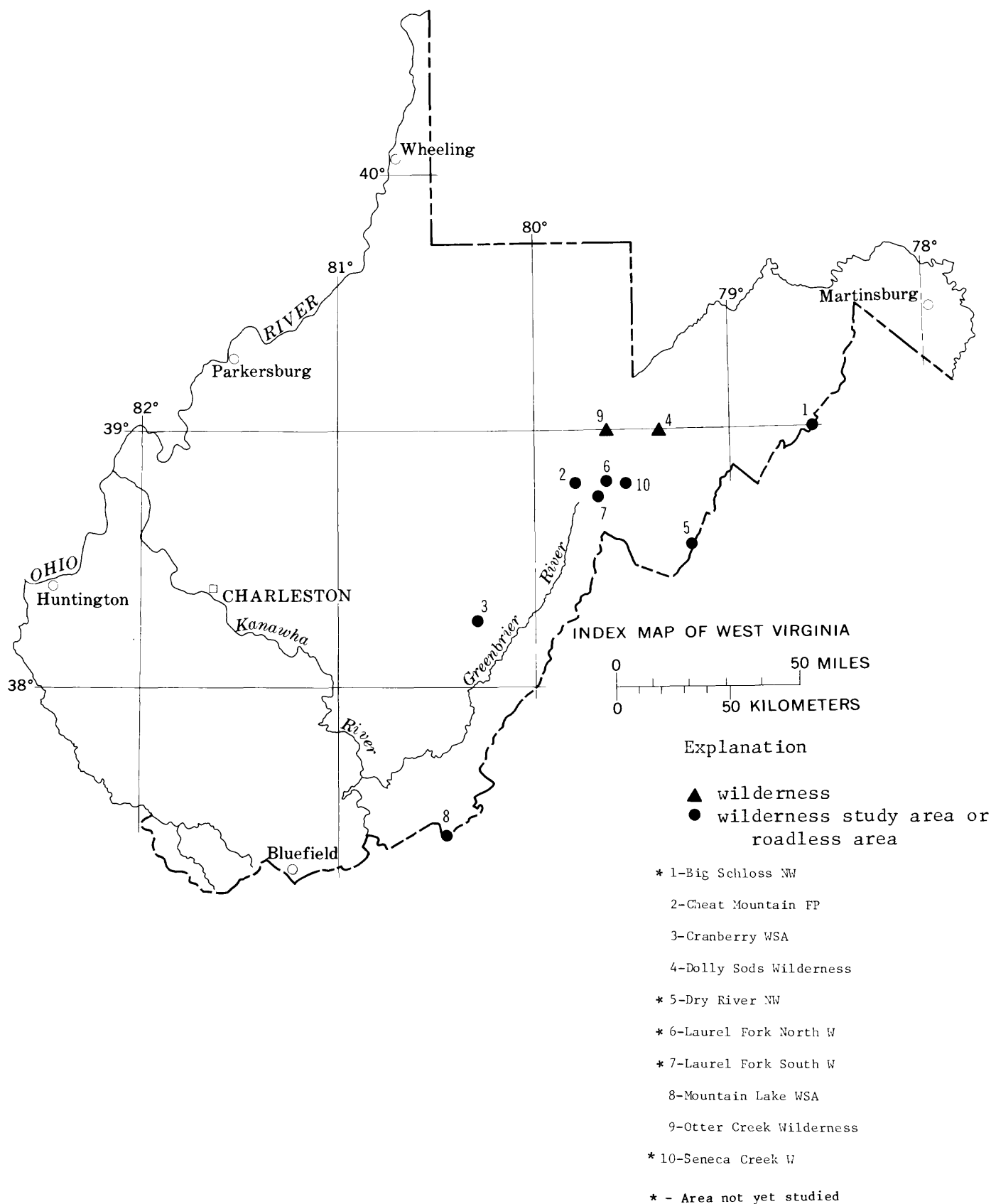


Figure 9.-- Location of roadless and wilderness areas in West Virginia.
(See text for explanation of abbreviations.)

Table 1.-- Summary of mineral resources data, southeastern National Forest roadless and wilderness areas.
[see text for abbreviations and symbols used; areas with no resource data have not yet been studied.]

AREA	NATIONAL FOREST FOREST SERVICE NO.	DESIGNATION	GROSS ACRES	PUBLIC LAW	MINERAL					RESOURCE		POTENTIAL		CHIEF REFERENCE	
					BUILDING STONE	SAND, GRAVEL, CRUSHED ROCK	CLAY, BRICK/TILE COMPONENTS	PEAT	OIL	NATURAL GAS	COAL	METALLIC MINERALS	NON- METALLIC MINERALS		COMMENTS
Alabama															
Adams Gap ¹	Talladega 8-215	Roadless Area FP	6267		X	X	L	O	U	U	O	L: Fe, Mn	L	Fe, Mn sub-economic	Robinson & others, 1983
Big Sandy	Talladega 8-214	Roadless Area FP	3190		L	X	X	O	M	M	M	L	L		Patterson and others, 1983
Blue Mountain	Talladega 8-066	Roadless Area NW	2140												
Borden Creek	Bankhead 8-208	Roadless Area W	5309		X	X	X	O	M	M	X	L	L	Coal thin and nonpersistent	Schweinfurth and others, 1982
Brushy Fork	Bankhead 8-210	Roadless Area FP	4055		X	X	X	O	M	M	L	L	L		Schweinfurth and others, 1982
Hagood Creek	Bankhead 8-207	Roadless Area FP	3700		X	X	X	O	M	M	L	L	L		Schweinfurth and others, 1982
Montgomery-Borden Creek	Bankhead 8-209	Roadless Area FP	7411		X	X	X	O	M	M	L	L	L		Schweinfurth and others, 1982
Perry Mountain	Talladega 8-064	Roadless Area NW	5039												
Rabbittown Addition	Bankhead 8-211	Roadless Area FP	545		X	X	X	O	M	M	L	L	L		Schweinfurth and others, 1982
Reed Brake	Talladega 8-063	Roadless Area W	686		L	X	X	O	M	M	X	L	L		Patterson and others, 1983
Shinbone Creek ¹	Talladega 8-067	Roadless Area FP	3213		X	X	L	O	U	U	O	L: Fe, Mn	L	Fe, Mn sub-economic	Robinson and others, 1983
Sipsey Addition	Bankhead 8-068	Roadless Area W	1864		X	X	X	O	M	M	X	L	L	Coal thin and nonpersistent	Schweinfurth and others, 1982
Sipsey	Bankhead NF-077	Wilderness	12000	93-622	X	X	X	O	M	M	L	L	L		Schweinfurth and others, 1982
Thompson Creek	Bankhead 8-206	Roadless Area FP	7774		X	X	X	O	M	M	L	L	L		Schweinfurth and others, 1982
W. Elliotts Creek	Talladega 8-213	Roadless Area FP	4237		L	X	X	O	M	M	M	L	L		Patterson and others, 1983

¹/Adams Gap and Shinbone Creek were combined, and the boundaries altered, to form the Cheaha Wilderness of 6,800 acres
by Public Law 97-411, January 3, 1983

Table 1.-- continued.

AREA	NATIONAL FOREST FOREST & SERVICE NO.	DESIGNATION	GROSS ACRES	PUBLIC LAW	SAND AND GRAVEL, CRUSHED ROCK				CLAY, BRICK/TILE COMPONENTS	MINERAL			RESOURCE		POTENTIAL		CHIEF REFERENCE	
					BUILDING STONE					PEAT	OIL	NATURAL GAS	COAL	METALLIC MINERALS	NON- METALLIC MINERALS	COMMENTS		
Florida																		
Alexander Springs Creek	Ocala 8-011	Roadless Area W	11,900															
Baptist Lake	Ocala 8-307	Roadless Area NW	7,565															
Bay Creek	Apalachicola 8-102	Roadless Area NW	5,645															
Big Gum Swamp	Osceola 8-010	Roadless Area W	13,600															
Billies Bay	Ocala B8011	Roadless Area W	3,120															
Black Creek Island	Apalachicola 8-101	Roadless Area NW	8,560															
Bradwell Bay	Apalachicola NF-007	Wilderness	23,432	93-622	L	X	L	X	L	L	L	L	0	L	L:P			Cameron and others, 1977
Buck Lake	Ocala 8-306	Roadless Area FP	5,680		L	X	L	L	L	L	L	L	0	L	X:P	P subeconomic		Cathcart and others, 1983a
Clear Lake	Apalachicola 8-106	Roadless Area FP	6,485		L	X	L	L	L	L	L	L	0	L	X:P	P subeconomic		Hendry and others, 1982
Farles Prairie	Ocala 8-305	Roadless Area FP	3,305		L	X	L	L	L	L	L	L	0	L	X:P	P subeconomic		Cathcart and others, 1983a
Gum Bay	Apalachicola 8-105	Roadless Area NW	9,180															
Impassible Bay	Osceola 8-107	Roadless Area NW	6,240															
Juniper Prairie	Ocala 18-309	Roadless Area W	13,260															
Little Lake George	Ocala 8-109	Roadless Area W	3,040															
Long Bay	Apalachicola 8-104	Roadless Area NW	8,084															
Mud Swamp- New River	Apalachicola 8-008	Roadless Area W	7,100															
Natural Area	Osceola 8-108	Roadless Area FP	4,380		L	X	L	L	L	L	L	L	0	L	X:P	P:subeconomic		Cathcart and others, 1983b
Post Office Bay	Apalachicola 8-100	Roadless Area NW	7,280															
Providence	Apalachicola 8-103	Roadless Area NW	6,885															
Savannah	Apalachicola 8-009	Roadless Area FP	1,945		L	X	L	L	L	L	L	L	0	L	L:P			Patterson and others, 1982
Sopchoppy River	Apalachicola 8-308	WSA	1,711	93-622	L	X	L	L	X	L	L	L	0	L	L:P			Cameron and others, 1977

[illegible]

Table 1.-- continued

STATE AREA	NATIONAL FOREST FOREST SERVICE NO.	DESIGNATION	GROSS ACRES	PUBLIC LAW	MINERAL					RESOURCE		POTENTIAL		CHIEF REFERENCE
					BUILDING STONE	SAND, GRAVEL, CRUSHED ROCK	CLAY, BRICK/TILE COMPONENTS	PEAT	NATURAL OIL GAS COAL	METALLIC MINERALS	NON- METALLIC MINERALS	COMMENTS		
Georgia/North Carolina														
Overflow	Chattahoochee (GA) Nantahala (NC) 8-026	Roadless Area FP	4600(GA) 3200(NC)		X	X	L	O	L	U	O	L: Au	L: mica	Koeppen and others, 1983b
Southern Nantahala	Chattahoochee (GA) Nantahala (NC) A8-025	Roadless Area W	14570(GA) 9143(NC)											
Southern Nantahala	Chattahoochee (GA) Nantahala (NC) B8-025	Roadless Area NW	5100(GA) 5976(NC)											
Georgia/North Carolina/South Carolina														
Ellicott Rock	Chattahoochee (GA) Nantahala (NC) Sumter (SC) NF-022	Wilderness	181(GA) 342(NC) 2809(SC)	93-622	X	L	L	O	L	L	O	L	L: mica	Luce and others, 1983
Ellicott Rock Addition	Chattahoochee (GA) Nantahala (NC) Sumter (SC) A8-031	Roadless Area W	1750(GA) 3680(NC) 1900(SC)		X	L	L	O	L	L	O	L	L: mica	Luce and others, 1983
Georgia/Tennessee														
Cohutta	Chattahoochee (GA) Cherokee (TN) NF-014	Wilderness	32307(GA) 1795(TN)	93-622	X	X	X	O	U	U	O	O	O	Gair and others, 1983
Big Frog	Cherokee (TN) 8-152 Chattahoochee (GA)	WSA	4626	93-622	X	X	L	O	L	U	O	L	L	Slack and others, 1982
Kentucky														
Beaver Creek	Daniel Boone NF-004	Wilderness	4791	93-622	X	X	X	O	U	U	X	L	L	Englund and others, 1983a
Cave Creek Cove	Daniel Boone 8-160	Roadless Area NW	4300											
Clifty	Daniel Boone L8039	Roadless Area W	13260											
Troublesome	Daniel Boone 8-038	Roadless Area FP	2943		X	X	X	O	U	U	X	L	L	Sigleo and others, 1982

Table 1.-- continued

STATE/ AREA	NATIONAL FOREST FOREST SERVICE NO.	DESIGNATION	GROSS ACRES	PUBLIC LAW	MINERAL					RESOURCE		POTENTIAL		CHIEF REFERENCE	
					BUILDING STONE	SAND, GRAVEL, CRUSHED ROCK	CLAY, BRICK/TILE COMPONENTS	PEAT	OIL	NATURAL GAS	COAL	METALLIC MINERALS	NON- METALLIC MINERALS		COMMENTS
North Carolina															
Nolichucky ^{2/}	Cherokee (TN) Pisgah 8-202	Roadless Area NW	3920												
Pocosin	Croatan A8-015	Roadless Area W	11000												
Pocosin	Croatan B8-015	Roadless Area NW	2000												
Pond Pine	Croatan 8-204	Roadless Area W	1860												
Sheep Ridge	Croatan 8-196	Roadless Area W	9530												
Shining Rock	Pisgah NF-044	Wilderness	13350	88-577	X	X	L	O	L	L	O	L:Cu,Au	L:mica X:Qtz	Qtz abundant elsewhere	Lesure and Dunn, 1983
Shining Rock Extension	Pisgah A8-057	Roadless Area W	5124												
Shining Rock Extension	Pisgah B8-057	Roadless Area NW	4876												
Snowbird	Nantahala 8-601	Roadless Area FP	5490		X	X	L	O	L	L	O	L:Ag,Au,U	L		Lesure and Chatman, 1983
Southern Nantahala	Nantahala AL8-025	Roadless Area W	3130												
Southern Nantahala	Nantahala BL8-025	Roadless Area NW	3000												
Tusquitee Mountains	Nantahala 8-190	Roadless Area NW	16860												
Upper Wilson	Pisgah L8-313	Roadless Area NW	6530												
Wildcat	Pisgah 8-197	Roadless Area NW	7120												
North Carolina/Tennessee															
Joyce Kilmer- Slickrock	Nantahala (NC) Cherokee (TN)	Wilderness	10201 3832	93-622	X	X	L	O	L	L	O	L	L		Lesure and 1977a

^{2/} See also Nolichucky-Tennessee

Table 1.-- continued

STATE/ AREA	NATIONAL FOREST FOREST SERVICE NO.	DESIGNATION	GROSS ACRES	PUBLIC LAW	SAND, GRAVEL, CRUSHED ROCK					CLAY, BRICK/TILE COMPONENTS			MINERAL				RESOURCE			POTENTIAL		CHIEF REFERENCE	
					BUILDING STONE	PEAT	OIL	NATURAL GAS	COAL	METALLIC MINERALS	NON- METALLIC MINERALS	COMMENTS											
South Carolina																							
Ellicott Rock Expansion	Sumter 8-112	Roadless Area FP	5733		X	L	L	L	O	L	L	O	L	L	L	L:mica							Luce and others, 1983
Hell Hole Bay	Francis Marion L8-110	Wilderness	1980	96-560	L	L	L	L	X	L	L	O	L:U	L:P								Cameron and others, 1983	
Little Wambaw Swamp	Francis Marion L8-013	Wilderness	5000	96-560	L	L	L	L	X	L	L	O	L:U	L:P								Cameron and others, 1983	
Long Creek	Sumter 8-113	Roadless Area NW	1582																				
Long Cane	Sumter 8-114	Roadless Area NW	650																				
Persimmon Mountain	Sumter L8-116	Roadless Area FP	7149		X	L	L	L	O	L	L	O	L	L:mica								Luce and others, 1983	
Wambaw Creek	Francis Marion	Wilderness	1640	96-560	L	L	L	L	X	L	L	O	L:U	L:P								Cameron and others, 1983	
Wambaw Swamp	Francis Marion L8-012	Wilderness	5100	96-560	L	L	L	L	X	L	L	O	L:U	L:P								Cameron and others, 1983	
Wambaw Swamp ^{3/}	Francis Marion L8-115	WSA	1500	93-622	L	L	L	L	X	L	L	O	L:U	L:P								Cameron and others, 1979	

^{3/}Included in Little Wambaw Swamp Wilderness by P.L. 96-560, December 1980.

Table 1.-- continued.

STATE/ AREA	NATIONAL FOREST FOREST SERVICE NO.	DESIGNATION	GROSS ACRES	PUBLIC LAW	MINERAL					RESOURCE		POTENTIAL		CHIEF REFERENCE
					BUILDING STONE	SAND, GRAVEL, CRUSHED ROCK	CLAY, BRICK/TILE COMPONENTS	PEAT	NATURAL OIL GAS	COAL	METALLIC MINERALS	NON- METALLIC MINERALS	COMMENTS	
Tennessee														
Bald River Gorge	Cherokee 8-034	Roadless Area W	3887											
Beaver Dam Creek	Cherokee 8-033	Roadless Area NW	4900											
Beaver Dam Creek	Cherokee 18-033	Roadless Area NW	2000											
Big Frog Addition	Cherokee 8-037	Roadless Area FP	547		X	X	L	O	L	U	O	L	L	Slack and others, 1982
Big Laurel Branch	Cherokee 8-272	Roadless Area NW	6000											
Brushy Ridge	Cherokee 8-279	Roadless Area NW	4600											
Citico Creek WSA	Cherokee 8-151	WSA	16576	93-622	X	X	L	O	L	L	O	L:Cu,Au,Fe	L:Otz	Slack and others, 1979
Devils Backbone	Cherokee 8-276	Roadless Area NW	4100											
Flint Mill	Cherokee 8-176	Roadless Area FP	7183		X	L	X	O	L	L	O	H:Fe,Mn M:Cu,Zn,Pb,Ba	L	Griffitts and Jones, 1983
Gee Creek	Cherokee NF-029	Wilderness	2500	96-622	X	X	X	O	L	U	O	L:Fe	L	Epstein and others, 1983
Hickory Flat Branch	Cherokee 8-271	Roadless Area NW	4500											
Iron Mountain	Cherokee 8-150	Roadless Area NW	13700											
Jennings Creek	Cherokee 8-036	Roadless Area NW	18856											
Laurel Fork	Cherokee 8-274	Roadless Area NW	2200											
Little Frog Mountain	Cherokee 8-277	Roadless Area FP	4800		X	L	L	O	L	U	O	L:Au	L	Force and others, 1983
Nolichucky ^{4/}	Cherokee 8-202	Roadless Area NW	3300											
Pond Mountain	Cherokee 8-035	Roadless Area FP	4368		L	L	L	O	L	L	O	H:Sn,W,Nb	L	Griffitts and Bitar, 198_
Pond Mountain Addition	Cherokee 8-273	Roadless Area FP	2300		L	L	L	O	L	L	O	H:Sn,W,Nb	L	Griffitts and Bitar, 198_
Rogers Ridge	Cherokee 8-032	Roadless Area NW	6721											
Unaka Mountain	Cherokee 8-275	Roadless Area FP	4700		X	X	L	O	L	L	O	L	L	Griffitts and Chatman, 1983
Upper Bald River	Cherokee 8-270	Roadless Area NW	14900											

^{4/} See also Nolichucky-North Carolina

Brown and
Gazdik, 1982

AREA	NATIONAL FOREST FOREST SERVICE NO.	DESIGNATION	GROSS ACRES	PUBLIC LAW	MINERAL					RESOURCE			POTENTIAL		CHIEF REFERENCE	
					BUILDING STONE	SAND, GRAVEL, CRUSHED ROCK	CLAY, BRICK/TILE COMPONENTS	PEAT	OIL	NATURAL GAS	COAL	METALLIC MINERALS	NON- METALLIC MINERALS	COMMENTS		
Virginia																
Little Wilson Creek	Jefferson 8-053	Roadless Area W	3568													
Mill Creek	Jefferson 8-186	WSA	4000	93-622	X	X	X	0	L	L	0	X:Fe,Mn	L:P		Fe subeconomic, Mn deposits small	Lesure and others, 1982b
Peters Mtn.	Jefferson 8-188	WSA	4183	93-622	X	X	X	0	L	L	0	X:Fe,Mn	L:P		Fe subeconomic Mn deposits small	Lesure and others, 1982b
Ramseys Draft	George Washington 8-044	WSA	6700	93-622	X	X	X	0	L	L	0	L	L			Lesure and others, 1977b
Ramseys Draft Addition	George Washington 8-174	Roadless Area FP	13475		X	X	X	0	L	U	0	L	L			Lesure and Mory, 1982
Rich Hole	George Washington 8-041	Roadless Area W	5030													
Roaring Branch	Jefferson 8-051	Roadless Area NW	2700													
Rough Mountsin	George Washington 8-040	Roadless Area W	9331													
Southern Massanutten	George Washington 8-175	Roadless Area FP	11800		X	X	X	0	L	L	0	X:Fe	L		Fe subeconomic	Lesure and others, 1983
St. Mary's	George Washington 8-042	Roadless Area W	10695													
Thunder Ridge	Jefferson 8-185	Roadless Area W	2530													
Virginia/West Virginia																
Big Schloss	George Washington 8-047	Roadless Area NW	16047(WVA) 20479(VA)													
Mountain Lake	Jefferson 8-187	WSA	8400	93-622	X	X	X	0	L	M	0	X:Fe,Mn	L:P		Fe subeconomic, Mn deposits small	Lesure and others, 1982b

Table 1.-- continued

AREA	NATIONAL FOREST FOREST SERVICE NO.	DESIGNATION	GROSS ACRES	PUBLIC LAW	SAND, GRAVEL, CLAY,				MINERAL			RESOURCE		POTENTIAL		CHIEF REFERENCE
					BUILDING STONE	CRUSHED ROCK	BRICK/TILE COMPONENTS	PEAT	OIL	NATURAL GAS	COAL	METALLIC MINERALS	NON- METALLIC MINERALS	COMMENTS		
<u>West Virginia</u>																
Cheat Mountain	Monongahela 9-040	Roadless Area FP	7720		X	X	X	L	L	L	X	0	L			England and others, 1983
Cranberry	Monongahela 9-010	WSA ⁵	36300	93-622	L	X	X	X	L	L	X	0	L			Meissner and others, 1981
Dolly Sods	Monongahela NF-018	Wilderness	10215	93-622	X	X	X	L	L	M	X	0	L			England and others, 1981
Dry River	Monongahela 8-170	Roadless Area NW	16135													
Laurel Fork N	Monongahela 9-044	Roadless Area W ⁵	6120													
Laurel Fork S	Monongahela 9-045	Roadless Area W ⁵	5920													
Otter Creek	Monongahela NF-060	Wilderness	20000	93-622	X	X	X	L	L	U	X	0	L			Warlow and others, 1981
Seneca Creek	Monongahela 9-041	Roadless Area W	20780													

⁵/Public Law 97-466, January 13, 1983. Cranberry Wilderness, 35,600 acres; Laurel Fork North Wilderness, 6,100 acres;
— and Laurel Fork South Wilderness, 6,100 acres.