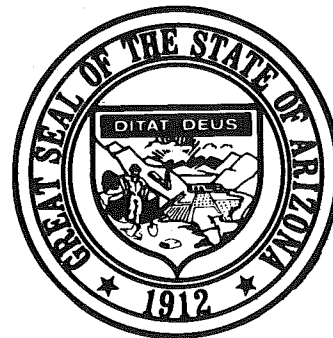


**Index of Maps Selected  
for  
Energy-Resource Investigations  
in the  
State of Arizona  
June 1976**

*Updated by Sal Giardinia  
Current to about Mid 1978*

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ARIZONA OIL AND GAS CONSERVATION COMMISSION  
SPECIAL PUBLICATION 3



BUREAU OF GEOLOGY  
AND MINERAL TECHNOLOGY

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OFFICE OF  
**Oil and Gas Conservation Commission**

STATE OF ARIZONA

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255

June 4, 1979

Bob Scarborough  
Bureau of Geology & Mineral Technology  
845 N. Park  
Tucson, Arizona 85719

Dear Mr. Scarborough:

My conversation with Dr. Fellows indicated that you are preparing a comprehensive map index of Arizona.

Enclosed is our contribution to the project for your use. We will discontinue publication of SP-3. If I can be of assistance, let me know.

Sincerely,

Sal Giardina  
Registered Geologist

SG:os  
Enc.

Index of Maps Selected  
for  
Energy-Resource Investigations  
in the  
State of Arizona  
June 1976

Compiled by

J.N. Conley, J.R. Scurlock, and O.A. Stacey

ARIZONA OIL AND GAS CONSERVATION COMMISSION  
SPECIAL PUBLICATION 3

Chairman, Ralph W. Bilby  
Executive Secretary, John Bannister

PUBLISHED AND FOR SALE BY THE ARIZONA OIL AND GAS CONSERVATION COMMISSION  
PHOENIX, ARIZONA

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## GENERAL INFORMATION

The map indexes consist predominantly of maps published by the U.S. Geological Survey, Arizona State agencies and universities, and professional societies.

The map areas on the indexes are keyed to one or more bibliographic references.

Map scales are expressed in the form of a numerical fraction that relates linear distances on the map to the corresponding actual distances on the ground measured in the same unit (inches, feet, miles, meters, kilometers); e.g., 1:24,000 indicates that one unit on the map represents 24,000 equivalent units on the ground.

The geologic map areas on the indexes are restricted to scales of 1:6,000 through 1:125,000, 1:375,000, and 1:500,000. Other maps indexed have a scale range of 1:63,360 through 1:2,000,000.

## MAP SCALES AND EQUIVALENTS

FRACTIONAL SCALE	FEET PER INCH	INCHES PER MILE	MILES PER INCH	METERS PER INCH	KILOMETERS PER INCH
1:6,000	500.000	10.560	0.095	152.400	0.152
1:9,600	800.000	6.600	0.152	243.840	0.244
1:12,000	1,000.000	5.280	0.189	304.801	0.305
1:20,000	1,666.667	3.168	0.316	508.001	0.508
1:24,000	2,000.000	2.640	0.379	609.601	0.610
1:31,680	2,640.000	2.000	0.500	804.674	0.805
1:42,240	3,520.000	1.500	0.667	1,072.898	1.073
1:48,000	4,000.000	1.320	0.758	1,219.202	1.219
1:50,000	4,166.667	1.267	0.789	1,270.003	1.270
1:56,000	4,666.667	1.131	0.884	1,422.403	1.422
1:63,360	5,280.000	1.000	1.000	1,609.347	1.609
1:96,000	8,000.000	0.660	1.515	2,438.405	2.438
1:125,000	10,416.667	0.507	1.973	3,175.006	3.175
1:375,000	31,250.000	0.169	5.919	9,525.091	9.525
1:500,000	41,666.667	0.127	7.891	12,400.025	12.700
1:1,000,000	83,333.333	0.063	15.783	25,400.051	25.400

TABLE 1. BIBLIOGRAPHIC REFERENCES TO GEOLOGIC MAPS AT SCALES OF  
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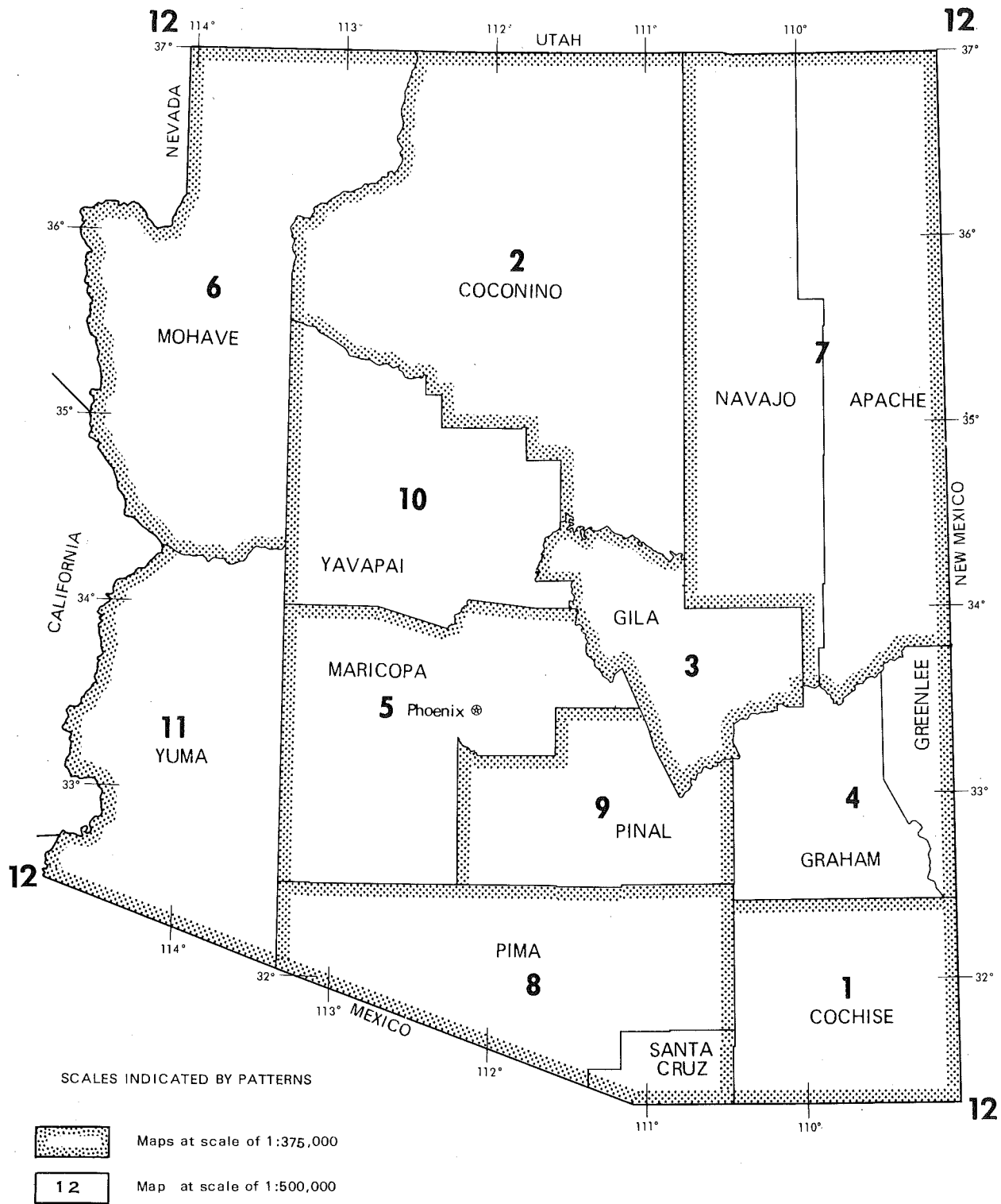


FIG. 1. — Geologic maps at scales of 1:375,000 and 1:500,000.

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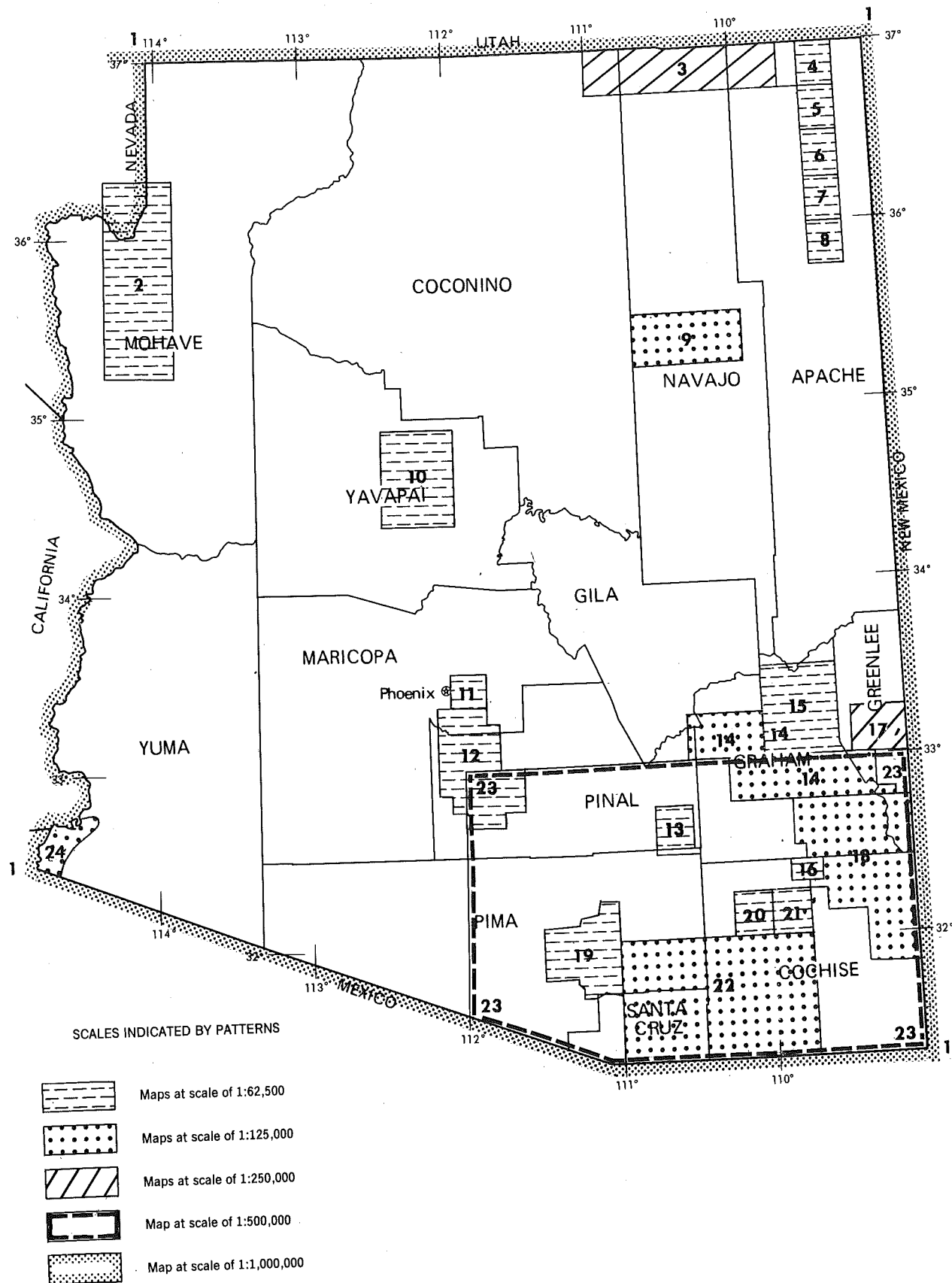


FIG. 2. — Aeromagnetic maps at scales of 1:62,500 through 1:1,000,000.



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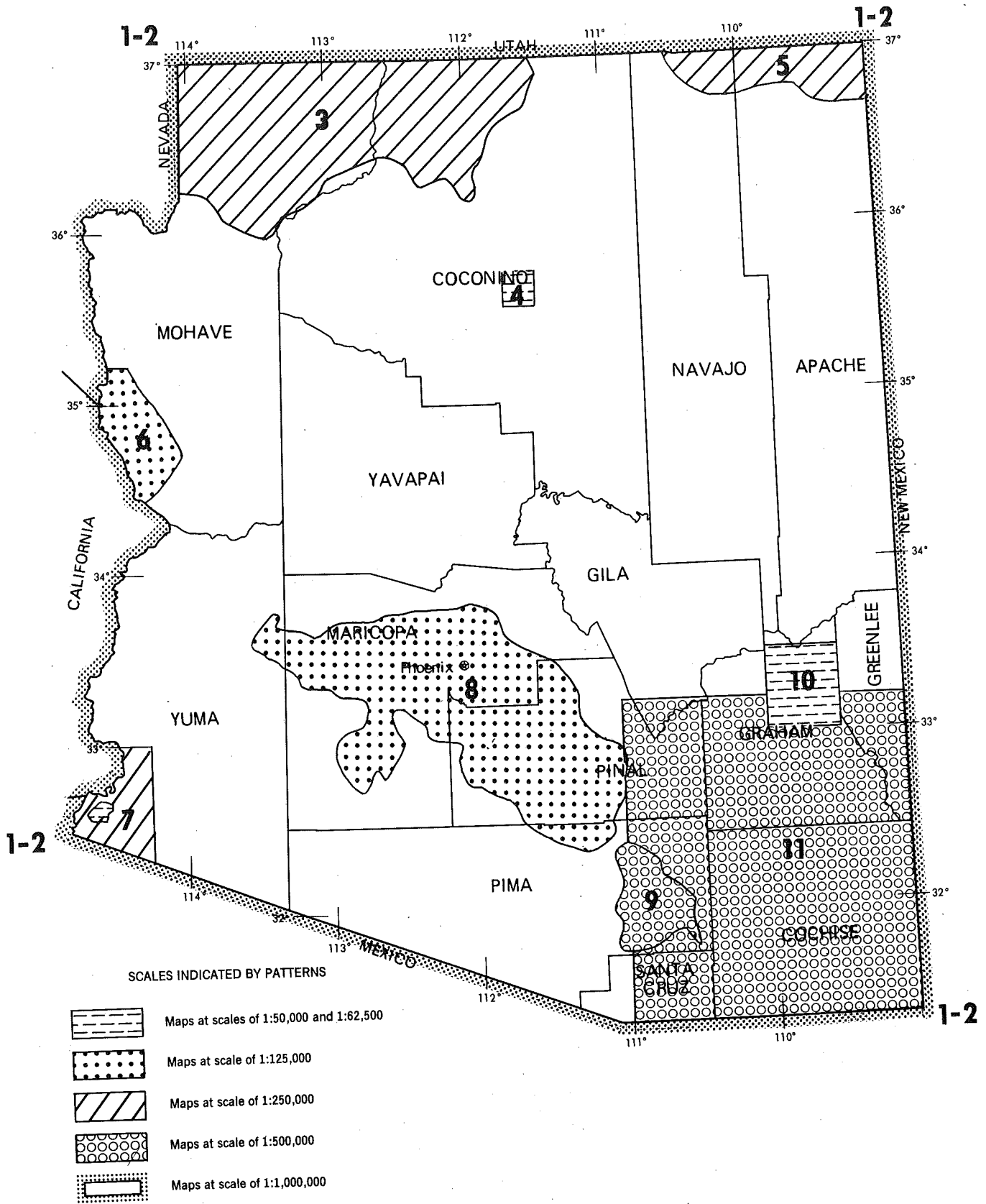


FIG. 3. — Gravity maps at scales of 1:50,000 through 1:1,000,000.

TABLE 6. BIBLIOGRAPHIC REFERENCES TO GRAVITY MAPS AT SCALES OF  
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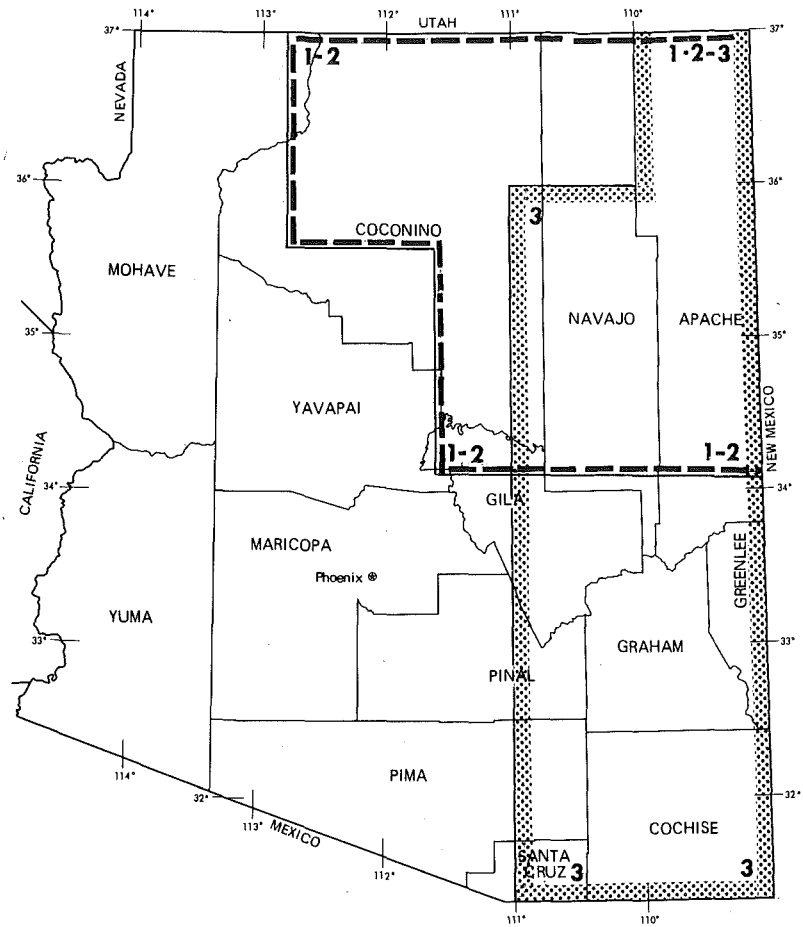


FIG. 4. — Structure, lineament, and fracture system maps.

TABLE 7. BIBLIOGRAPHIC REFERENCES TO STRUCTURE, LINEAMENT, AND FRACTURE SYSTEM MAPS

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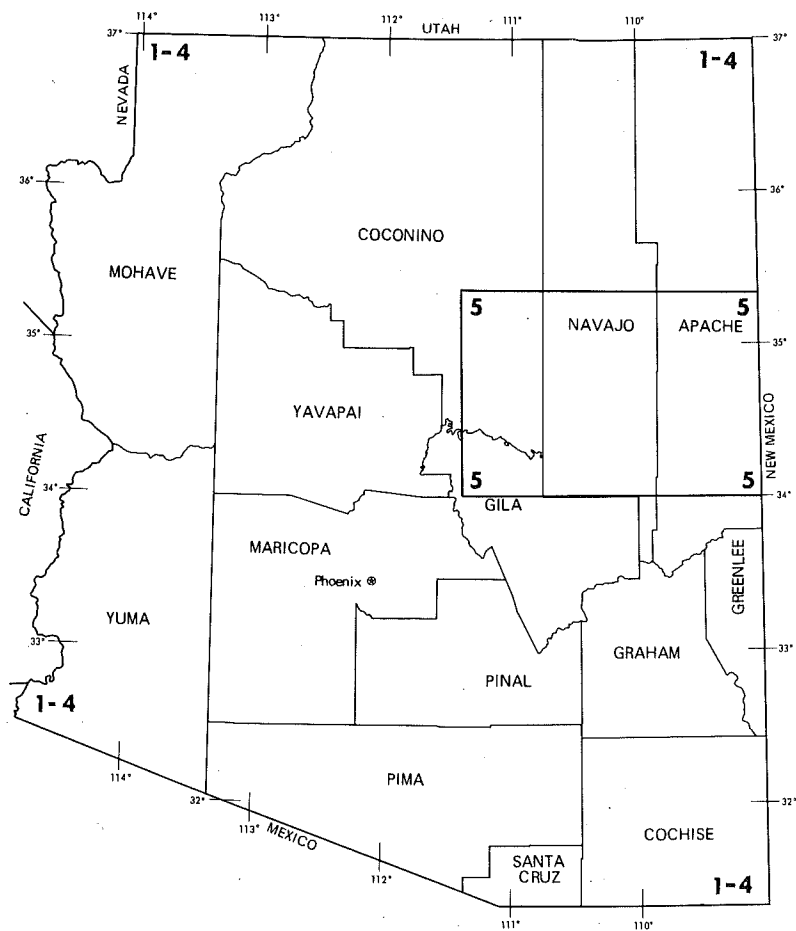


FIG. 5. — Structure, stratigraphic sections, temperature, and energy distribution systems maps.

TABLE 8. BIBLIOGRAPHIC REFERENCES TO STRUCTURE, STRATIGRAPHIC SECTIONS, TEMPERATURE, AND ENERGY DISTRIBUTION SYSTEMS MAPS

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2. Scurlock, J. R., and Conley, J. N., 1972, Subsurface temperature map of Arizona: Ariz. Oil and Gas Conserv. Comm. Map G-5, 1:1,000,000.
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5. Conley, J. N., and Scurlock, J. R., 1976, Structure map (Permian Coconino Sandstone), Eastern Mogollon Slope region, portions of Apache, Coconino, Gila, and Navajo Counties, Arizona: Ariz. Oil and Gas Conserv. Comm. Map G-6, 1:250,000.

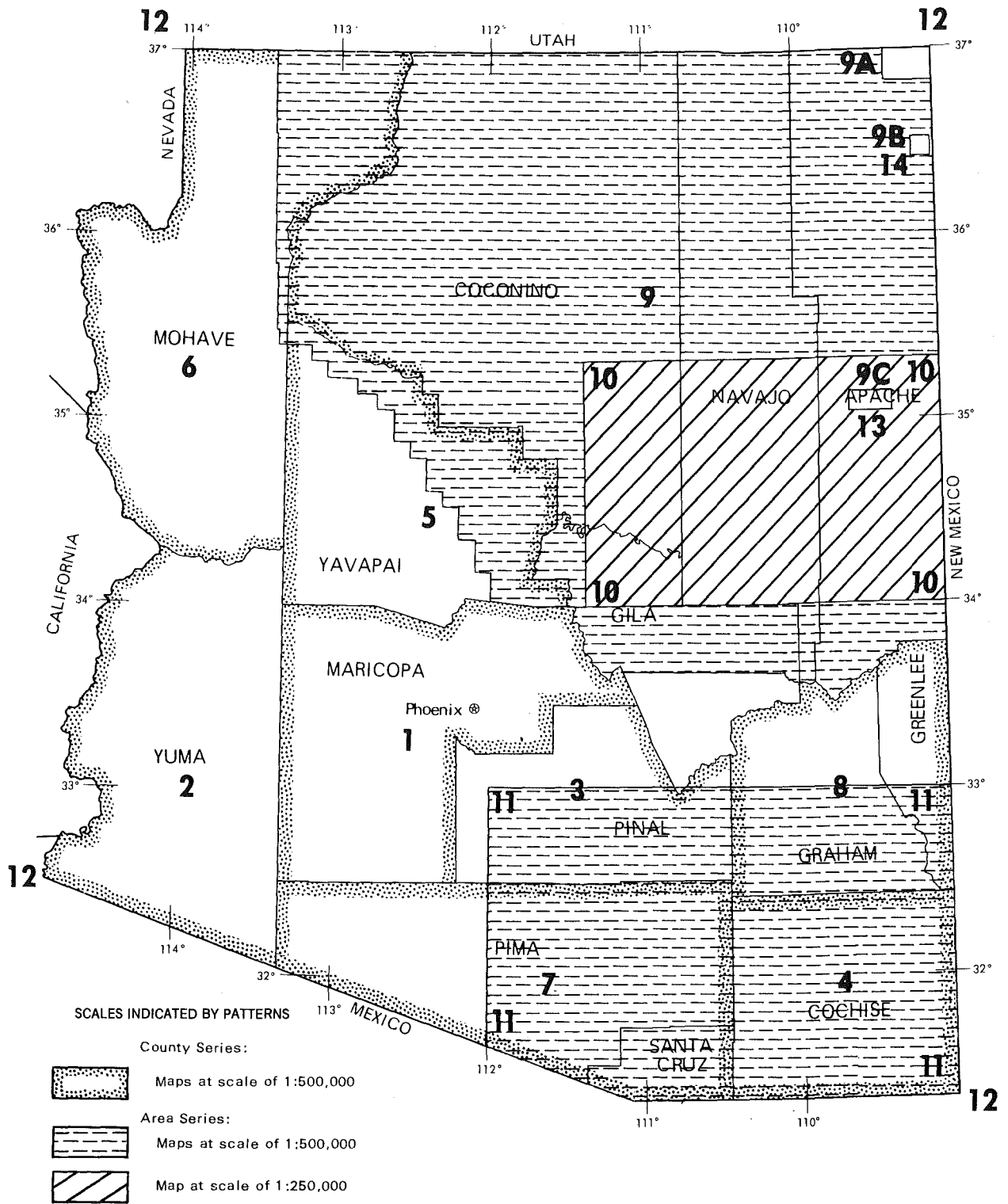


FIG. 6. — Oil and natural gas development maps. These maps show also holes drilled for helium and potash; selected water wells; and holes drilled for stratigraphic or structural information.

TABLE 9. BIBLIOGRAPHIC REFERENCES TO OIL AND GAS DEVELOPMENT MAPS

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5. ———1973, Well location map, Yavapai County, Arizona: Ariz. Oil and Gas Conserv. Comm. County Ser. Map 5, 1:500,000.
6. ———1973, Well location map, Mohave County, Arizona: Ariz. Oil and Gas Conserv. Comm. County Ser. Map 6, 1:500,000.
7. Conley, J. N., and Koester, E. A., 1974, Well location map, Pima and Santa Cruz Co., Arizona: Ariz. Oil and Gas Conserv. Comm. County Ser. Map 7, 1:500,000.
8. ———1974, Well location map, Graham and Greenlee Co., Arizona: Ariz. Oil and Gas Conserv. Comm. County Ser. Map 8, 1:500,000.
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10. Arizona Oil and Gas Conservation Commission, 1976, Well location map, Eastern Mogollon Slope region, Arizona, portions of Apache, Coconino, Gila, and Navajo Counties (formerly Holbrook area): Ariz. Oil and Gas Conserv. Comm. Area Ser. Map A-1, 1:250,000.
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- 15 77-227. Preliminary geologic map of the Red Rock Valley NE quadrangle, Apache County, ARIZONA, and San Juan County, NEW MEXICO, by C. A. Huffman, Jr. 1 pl., scale 1:24,000 (1 inch = 2,000 feet). (NC, Da, M, Db(r), U(r), SF(r), LA(r), T(r); USGS, Seventh Floor, 505 Marquette NW. (P. O. Box 26659), Albuquerque, NM 87125(r); Energy Research and Devel. Admin., Grand Junction, CO 81501(r); Arizona Bur. Mines, Univ. Arizona, Tucson, AZ 85721.)
- 16 77-343. Map of ARIZONA showing selected alluvial, structural, and geomorphic features, by M. E. Cooley. 20 p., 1 pl. (NC, Da, M, Db(r), U(r), SF(r), LA(r); Arizona Bur. Mines, Univ. Arizona, Tucson, AZ 85721.)
- 17 ✓ 77-152. Map showing photo lineaments in the Tortolita Mountains quadrangle, ARIZONA, by R. D. Dockter and N. G. Banks. 1 pl., scale 1:62,500 (1 inch = about 1 mile). (NC, Da, M(r), Db, U, SF, LA; Arizona Bur. Mines, Univ. Arizona, Tucson, AZ 85721.)
- 18 MF-793. Reconnaissance geologic map of the Vaca Hills quadrangle, ARIZONA, by N. G. Banks and R. D. Dockter. 1976. Lat  $32^{\circ}15'$  to  $32^{\circ}30'$ , long  $111^{\circ}30'$  to  $111^{\circ}45'$ . Scale 1:62,500 (1 inch = about 1 mile). Sheet 26 by 41 inches. 75c. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.
- 19 76-703. Preliminary geologic map of the Wupatki NE quadrangle, ARIZONA, by D. V. Haines and C. G. Bowles. 1 pl., scale 1:24,000 (1 inch = 2,000 feet). (NC, Da, M, Db(r), U(r), SF(r), LA(r); Arizona Bur. Mines, Univ. Arizona, Tucson, AZ 85721(r).)
- 20 MF-778. Reconnaissance geologic map of the Picacho Mountains, ARIZONA, by Warren Yeend. 1976. Lat about  $32^{\circ}40'$  to  $33^{\circ}$ , long  $111^{\circ}15'$  to  $111^{\circ}30'$ . Scale 1:62,500 (1 inch = about 1 mile). Sheet 25 by 31 inches. 75c. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.
- 21 76-458. Preliminary map showing potential for copper deposits in the Tucson 2° quadrangle, ARIZONA, 1 pl, scale: 1:250,000 (1 inch = about 4 miles). (NC, Da, M(r), Db(r), U, SF(r), LA(r); Arizona Bur. Mines, Univ., Arizona, Tucson, AZ 85721(r).) (Supersedes OF 74-143.)
- 22 MF-747. Reconnaissance geologic map of the Mount Lemmon quadrangle, ARIZONA, by N. G. Banks. 1976. Lat  $32^{\circ}15'$  to  $32^{\circ}30'$ , long  $110^{\circ}45'$  to  $111^{\circ}$ . Scale 1:62,500 (1 inch = about 1 mile). Sheet 23 by 35 inches. 75c. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.
- 23 MF-769. Reconnaissance geologic map of the San Vicente and Cocoraque Butte 15' quadrangles, ARIZONA, by W. J. Keith. 1976. Lat  $32^{\circ}$  to  $32^{\circ}15'$ , long  $111^{\circ}15'$  to  $111^{\circ}45'$ . Scale 1:62,500 (1 inch = about 1 mile). Sheet 23 by 38 inches. 75c. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.
- 24 75-295. Preliminary reconnaissance geologic map of the Bellota Ranch 15-minute quadrangle, Arizona, by S. C. Creasey and T. G. Theodore. 1 pl., scale 1:31,680 (1 inch = one-half mile). (NC, Da, M, U, SF, LA, Db; Arizona Bur. Mines, Univ. Arizona, Tucson, AZ 85721(r).)
- 25 ABA STRUCTURE MAP Southeastern Arizona: scale 1:375,000 by Sal Giardino, ~~Arizona Oil and Gas Conservation~~ Arizona Oil and Gas Conservation Comm., 1979, 2 sheets with cross-sections and wells



192. Shoemaker, E.M., 1959, Impact mechanics at Meteor. Crater: U.S. Geol. Survey open-file rept.. Fig. 1, 1:200,000, also detailed map of crater, (NC). 1

194. Hager, Dorsey, 1953, Crater Mound (Meteor Crater), a geologic feature: Am. Assoc. Petroleum Geologists Bull., v. 37, no. 4. Fig. 7, 1:12,000.

2 Kaiser, E.P., 1951, Uraniferous quartzite, Red Bluff prospect, Gila County, Arizona: U.S. Geol. Survey Circ. 137. Pl. 1, 1:2,400.

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USGS O.F. rept

6 78-404. Preliminary geologic map of the Redrock Valley SE quadrangle, Apache County, ARIZONA, and San Juan County, NEW MEXICO, by C. A. Huffman, Jr., and T. W. Jones. 1 pl., scale 1:24,000 (1 inch = 2,000 feet). (NC, Da, M, Db, U, SF, LA, T; USGS, Seventh Floor, 505 Marquette, NW. (P.O. Box 26659), Albuquerque, NM 87125; Arizona Bur. Geol. and Mineral Tech., Univ. Arizona, Tucson, AZ 85721.) Microfiche 50¢; paper copy \$3.50.

USGS O.F. Rept

7 78-362. Complete Bouguer gravity maps and gravity models of the Date Creek Basin and vicinity, Maricopa, Mojave, Yavapai, and Yuma Counties, ARIZONA, by J. C. Wynn and J. K. Otton. 2 pls. (NC, Da, M, U, Db, SF, LA; Arizona Bur. Geol. and Mineral Tech., Univ. Arizona, Tucson, AZ 85721.) Microfiche \$1; paper copy \$7.

8 GQ-1394. Geologic map of the Black Canyon 15-minute quadrangle, Mohave County, ARIZONA, and Clark County, NEVADA, by R. E. Anderson. 1978. Lat 35°45' to 36°, long 114°30' to 114°45'. Scale 1:62,500 (1 inch = about 1 mile). Sheet 27 by 28 inches. \$1.75.

9 GQ-1391. Geologic map of the Hayden quadrangle, Pinal and Gila Counties, ARIZONA, by N. G. Banks and M. H. Krieger. 1977 (1978). Lat 33° to 33°07'30", long 110°45' to 110°52'30". Scale 1:24,000 (1 inch = 2,000 feet). Sheet 33 by 44 inches. Accompanied by 15-page text. \$1.75.

10 GQ-1442. Geologic map of the El Capitan Mountain quadrangle, Gila and Pinal Counties, ARIZONA, by H. R. Cornwall and M. H. Krieger. 1978. Lat 33°07'30" to 33°15', long 110°45' to 110°52'30". Scale 1:24,000 (1 inch = 2,000 feet). Sheet 34 by 44 inches. \$1.75.

11 MF-909. Reconnaissance geologic map of the Ninetysix Hills NW., NE., SE., and SW. quadrangles, Pinal County, ARIZONA, by Warren Yeend, W. J. Keith, and P. M. Blacet. 1977 (1978). Lat 32°45' to 33°, long 111° to 111°15'. Scale 1:62,500 (1 inch = about 1 mile). Sheet 23 by 33 inches. 75¢.

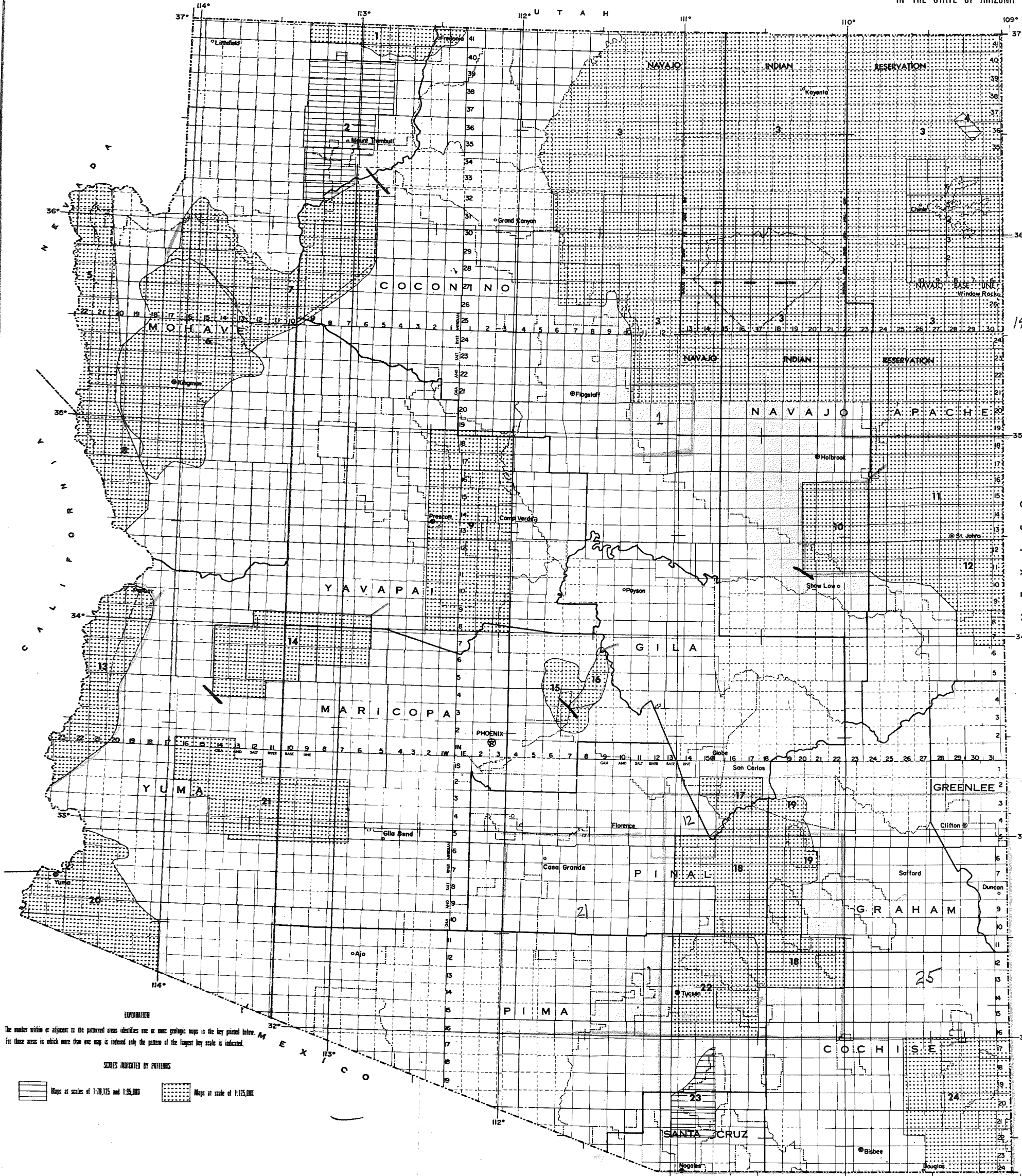
12 P 1008. Large landslides, composed of megabreccia, interbedded in Miocene basin deposits, southeastern ARIZONA, by M. H. Krieger. 1977 (1978). 25 p., plates in pocket. \$2.75.

13 I-997. Geologic map and sections of the Rincon Valley quadrangle, Pima County, ARIZONA, by Harald Drewes. 1977 (1978). Lat 32° to 32°15', long 110°30' to 110°45'. Scale 1:48,000 (1 inch = 4,000 feet). Sheet 36 by 53 inches. \$1.50.

4 Geologic Map of Grand Canyon National Park, Az. 1:48000  
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14

I-981. Geology, structure, and uranium deposits of the Gallup 1° by 2° quadrangle, NEW MEXICO and ARIZONA, by R. J. Hackman and A. B. Olson. 1977. Two sheets.



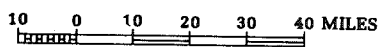
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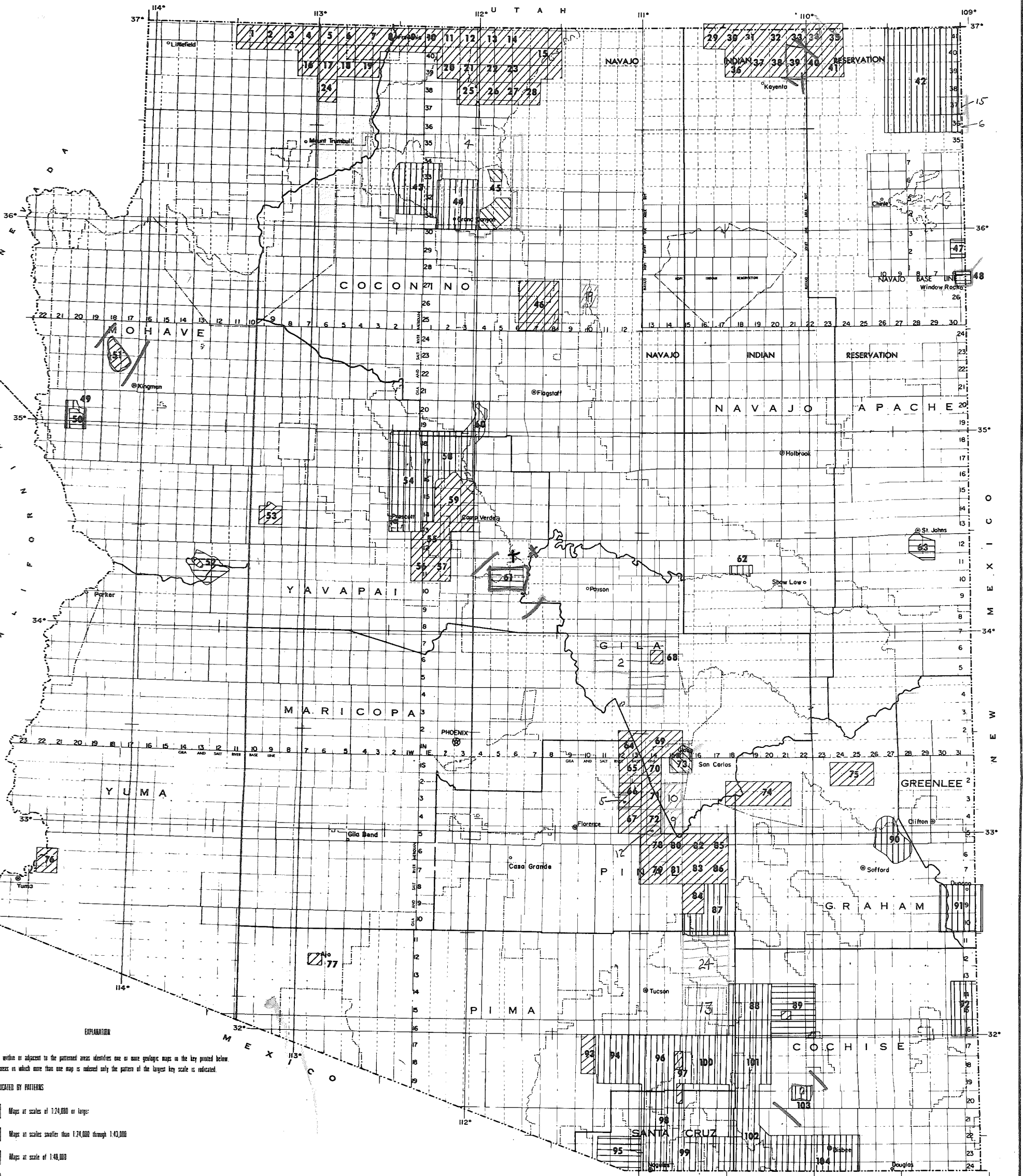
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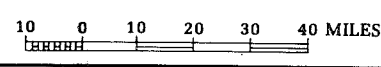


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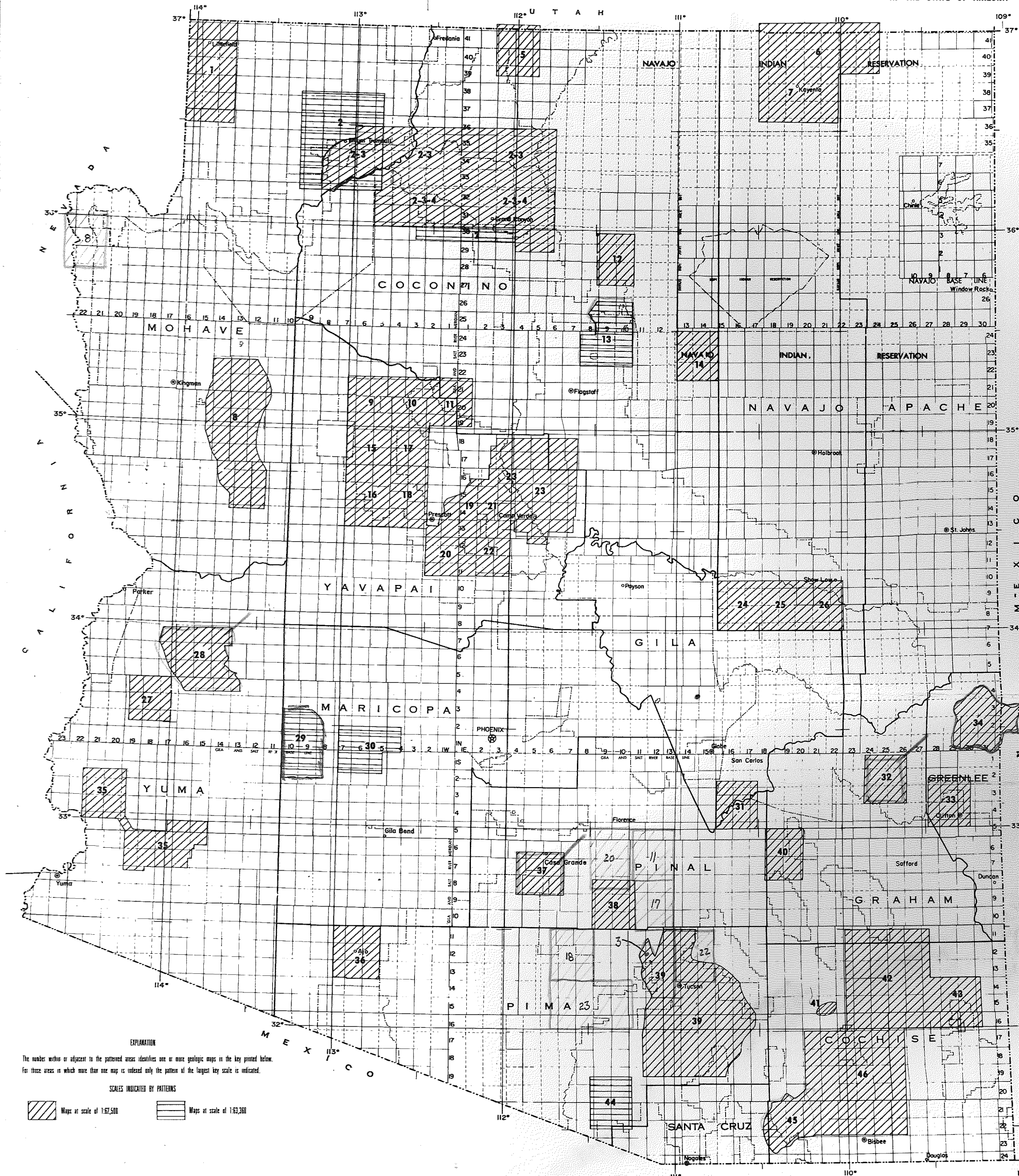
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