

**BIBLIOGRAPHY OF SELECTED
PUBLICATIONS APPROVED BY THE
U.S. GEOLOGICAL SURVEY ON THE WATER
RESOURCES OF NEW MEXICO, 1975-93**

By Olga M. Sandoval

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INTRODUCTION

The U.S. Geological Survey studies the quantity, quality, distribution, and movement of surface and ground water. The Geological Survey collects and disseminates about 70 percent of the water data used by local, private, State, and other Federal and tribal agencies to develop and manage water resources.

In New Mexico, the Water Resources Division of the U.S. Geological Survey collects, analyzes, and disseminates hydrologic data and water-use information, and conducts interpretive studies and research projects. Much of the work in New Mexico is a cooperative effort in which planning and financial support are shared by local, State, and tribal governments and other Federal agencies.

Purpose and Scope

This bibliography of about 500 references authored by U.S. Geological Survey employees has been compiled to assist in the study and development of water resources. The citations are dated from January 1975 to December 1993. Each citation is numbered and indexed by geographic location and discipline. Selected citations are indexed by physiographic province and basin; military, Indian, and other reservations; and topics of special hydrologic interest.

Types and Availability of Reports

Book publications of the U.S. Geological Survey, Water Resources Division are published in formal and informal series. The formal series consists of Bulletins, Professional Papers, Techniques of Water-Resources Investigations, and Water-Supply Papers. The informal series consists of Circulars, Water-Data Reports, Open-File Reports, and Water-Resources Investigations Reports.

Map publications of the U.S. Geological Survey, Water Resources Division also are published in formal and informal series. The formal series consists of Hydrologic Investigations Atlas maps, Miscellaneous Investigations maps, and Miscellaneous Field Studies maps. The informal series consists of Open-File Map Reports and Water-Resources Investigations Map Reports.

Most of the reports listed in this bibliography can be inspected at the New Mexico District Office (U.S. Geological Survey, Water Resources Division, 4501 Indian School Road, NE, Suite 200, Library-Room 259, Albuquerque, New Mexico 87110) (fig. 1). Most book and map publications (formal and informal series) can be obtained by mail from the U.S. Geological Survey, Earth Science Information Center, Open-File Reports Section, Box 25286, MS 517, Denver Federal Center, Denver, Colorado 80225. Publications not listed in this bibliography (prior to 1975) may also be ordered from the same address with the report number specified.

The Water Resources Division map publications, such as the Hydrologic Investigations Atlas maps, Miscellaneous Investigations maps, and Miscellaneous Field Studies maps, may be obtained by mail from U.S. Geological Survey, Map Distribution, Box 25286, MS 306, Federal Center, Denver, Colorado 80225. A catalog, "New Publications of the Geological Survey," containing a more extensive list of these maps and reports is available at the same address.

Reports published by other Federal agencies or cooperating agencies may be obtained from the appropriate agency. Articles in non-Geological Survey journals can be obtained from the author or purchased directly from the publisher.

Streamflow data, water-quality data for surface and ground water, and ground-water level data for New Mexico are combined and published in the annual series "U.S. Geological Survey Water-Data Reports." These water-data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161.

Note that selected reports and articles by Geological Survey personnel in non-Geological Survey publications and non-Geological Survey personnel who share authorship with U.S. Geological Survey personnel are also listed. These publications are not available from the U.S. Geological Survey.

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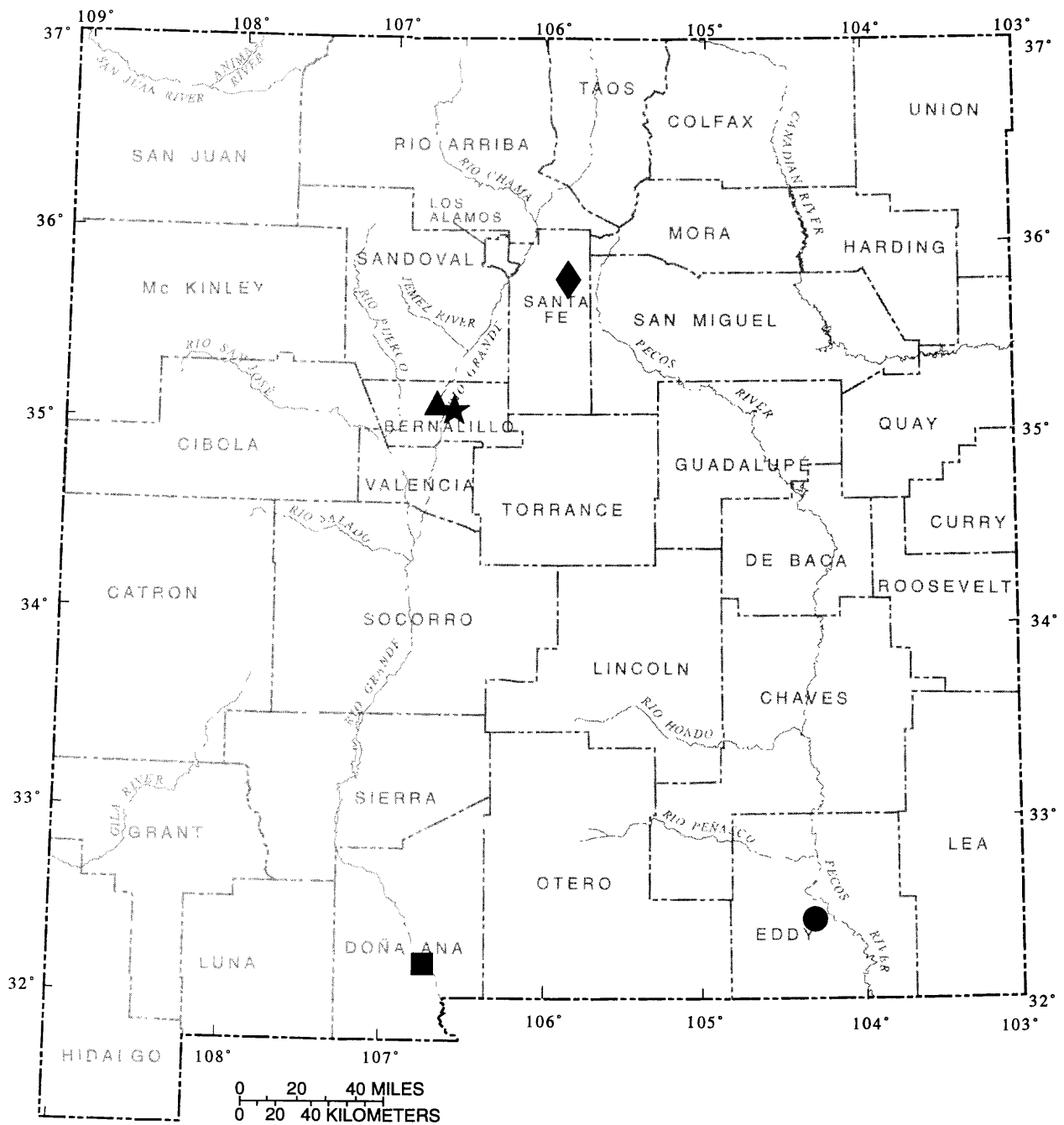
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Base from U.S. Geological Survey
and Environmental Protection Agency
1:500,000 digital data.

EXPLANATION

★ New Mexico
District Office

▲ Albuquerque Field
Headquarters Office

◆ Santa Fe
Subdistrict Office

■ Las Cruces
Subdistrict Office

● Carlsbad Field
Headquarters Office

Figure 1.--Counties, principal rivers, and U.S. Geological Survey,
Water Resources Division offices in New Mexico.

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DeBaca County

Ground water: 253

Surface water: 45

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Doña Ana County

Ground water: 49-60, 107, 109, 112, 127, 205, 210, 273, 279, 282, 288, 289, 291-294, 297-299, 307, 308, 329, 463, 476-480

Surface water: 116, 288, 297, 307, 308, 341, 442, 477, 478

Water quality: 113, 241, 256, 297, 307, 308, 329, 477, 478

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Eddy County

Ground water: 14, 77, 78, 81, 84-87, 91-93, 169-171, 175, 253, 264, 266-271, 319-322, 325, 339, 347, 449-451, 453, 455, 456

Surface water: 38, 45, 48, 253, 258, 270, 325

Water quality: 84, 87, 153, 171, 232, 256, 259, 268-270, 325, 491

Water use: 445

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Grant County

Surface water: 442
Water quality: 151, 152, 241
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Guadalupe County

Ground water: 327, 328
Surface water: 45, 327, 328
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Harding County

Ground water: 61, 62
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Hidalgo County

Ground water: 481
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Lea County

Ground water: 67, 68, 77, 170, 172, 173,
175, 180, 181, 184, 186, 188, 191-193, 195-
198, 250, 270, 325
Surface water: 270, 325
Water quality: 171, 256, 270, 325
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Lincoln County

Ground water: 126, 253
Surface water: 45, 126
Water quality: 126
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Los Alamos County

Ground water: 202, 255

Luna County

Ground water: 69, 70, 71, 148, 260
Surface water: 260
Water quality: 256, 260
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McKinley County

Ground water: 12, 23, 29, 47, 138, 154,
169, 176, 304, 346
Surface water: 3, 16, 23, 162-164, 206,
304, 482
Water quality: 16, 138, 176, 304, 482
Water use: 154
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Mora County

Ground water: 63
Surface water: 98
Water quality: 98

Otero County

Ground water: 13, 32, 77, 126, 205, 257,
273, 306, 307, 308, 325, 374, 375
Surface water: 15, 45, 126, 296, 307, 308,
325, 374, 375
Water quality: 126, 256, 307, 308, 325,
374
Water use: 374
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White Sands Missile Range, Mescalero
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Quay County

Ground water: 65
See High Plains

Rio Arriba County

Ground water: 29, 158, 475
Surface water: 98, 158, 458, 459, 460
Water quality: 98, 158, 459, 460, 475
See San Luis Basin and
Jicarilla Apache

Roosevelt County

Ground water: 66, 67, 68, 180, 181, 184,
186, 188, 191-193, 195-198
See High Plains

San Juan County

Ground water: 23, 29, 37, 42-44, 75, 76, 106, 111, 113, 138, 174, 203, 213, 217, 219, 218, 235, 236, 245, 246, 247, 254, 261, 295, 312, 334, 354, 361, 364, 365, 445, 454
Surface water: 23, 33, 37, 111, 136, 139, 140, 162-165, 218, 254, 312, 445, 454
Water quality: 37, 73, 74, 111, 136, 138, 139, 140, 218, 254, 312, 361, 445, 454
Water use: 34, 343
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San Miguel County

Surface water: 45, 98
Water quality: 98, 122

Sandoval County

Ground water: 2, 12, 21, 39, 41, 177, 278, 367-372, 483
Surface water: 2, 3, 16, 39, 41, 89, 101, 115, 263, 367-372
Water quality: 2, 12, 16, 39, 41, 177, 278, 367-372, 462, 483
Bibliography: 1, 487
See Jemez Pueblo, Santa Ana Pueblo, Zia Pueblo, and Jemez Caldera

Santa Fe County

Ground water: 72, 148, 156, 157, 222, 251, 255, 275, 276, 317, 318, 338, 434, 438
Surface water: 98, 222, 249, 275, 315, 317
Water quality: 98, 222, 275
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Sierra County

Ground water: 69, 71
Surface water: 442
Water quality: 256
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Socorro County

Ground water: 5, 7, 12, 280, 283, 287, 335
Surface water: 3, 5, 280, 283, 287, 442
Water quality: 5, 280, 283, 287
Water use: 7
Bibliography: 487, 490
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Taos County

Ground water: 46, 125, 158, 475
Surface water: 98, 117-120, 125, 158, 234
Water quality: 90, 98, 117-119, 125, 158, 234, 475
See San Luis Basin

Torrance County

Ground water: 465
Surface water: 465
Water quality: 465
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Union County

Ground water: 150, 310
Water quality: 310
See High Plains

Valencia County

Ground water: 12, 108, 110
Surface water: 3
Bibliography: 487

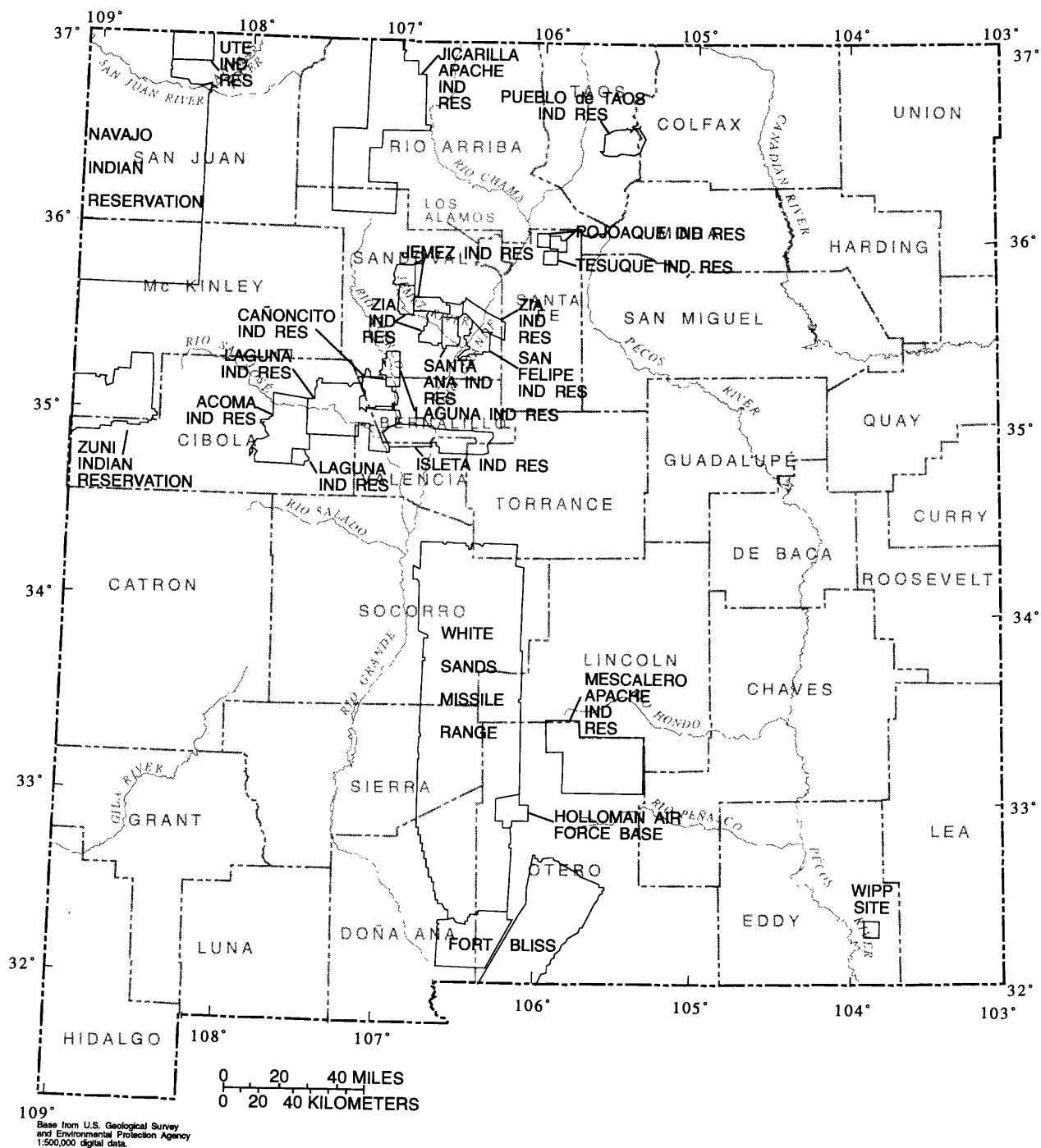


Figure 2.--Selected Military, Indian, and other reservations in New Mexico for which publications are cited in this report.

Military, Indian, and Other Reservations

Fort Bliss: 291, 476
White Sands Missile Range: 49-60, 205, 279, 282, 291-294, 329, 341, 476, 480
Waste Isolation Pilot Plant (WIPP): 14, 78, 81, 84, 85, 87, 88, 91-93, 264, 266-271, 319-322, 347, 455, 456, 491
Acoma Pueblo: 12, 108, 110, 229, 326
Jemez Pueblo: 39, 41, 101
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Jicarilla Apache: 233
Laguna Pueblo: 326, 330, 331
Mescalero Apache: 374, 375
Navajo Nation: 23, 37, 138
Pojoaque: 156, 222, 317
Santa Ana Pueblo: 39, 41, 101
Tesuque: 156, 157
Ute: 234
Zia Pueblo: 39, 41, 101
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Great Plains Province: 334, 336, 337
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Carrizo Wash Basin: 281, 284, 285
Estancia Basin: 465
Delaware Basin: 77, 325
La Jencia Basin: 5, 7, 335
Mesilla Basin: 107, 109, 112, 127, 288, 289, 297, 299, 475, 476
Mimbres Basin: 69, 70, 149, 260
Pecos River Basin: 45, 277, 453
Puerco River Basin: 482
Rio Grande Basin: 142, 158, 440, 461, 479
Roswell Basin: 253, 448-451
San Agustin Basin: 280, 283, 287
San Luis Basin: 475
San Juan Basin: 33, 34, 42-44, 73-76, 106, 111, 113, 136, 139, 140, 203, 213, 217, 219, 235, 236, 245, 246, 295, 364, 365, 452, 454
Socorro Basin: 5, 7, 335
Southwest Alluvial Basins: 211, 470, 471, 473, 474
Tularosa Basin: 126, 251, 306
Upper Colorado River Basin: 301

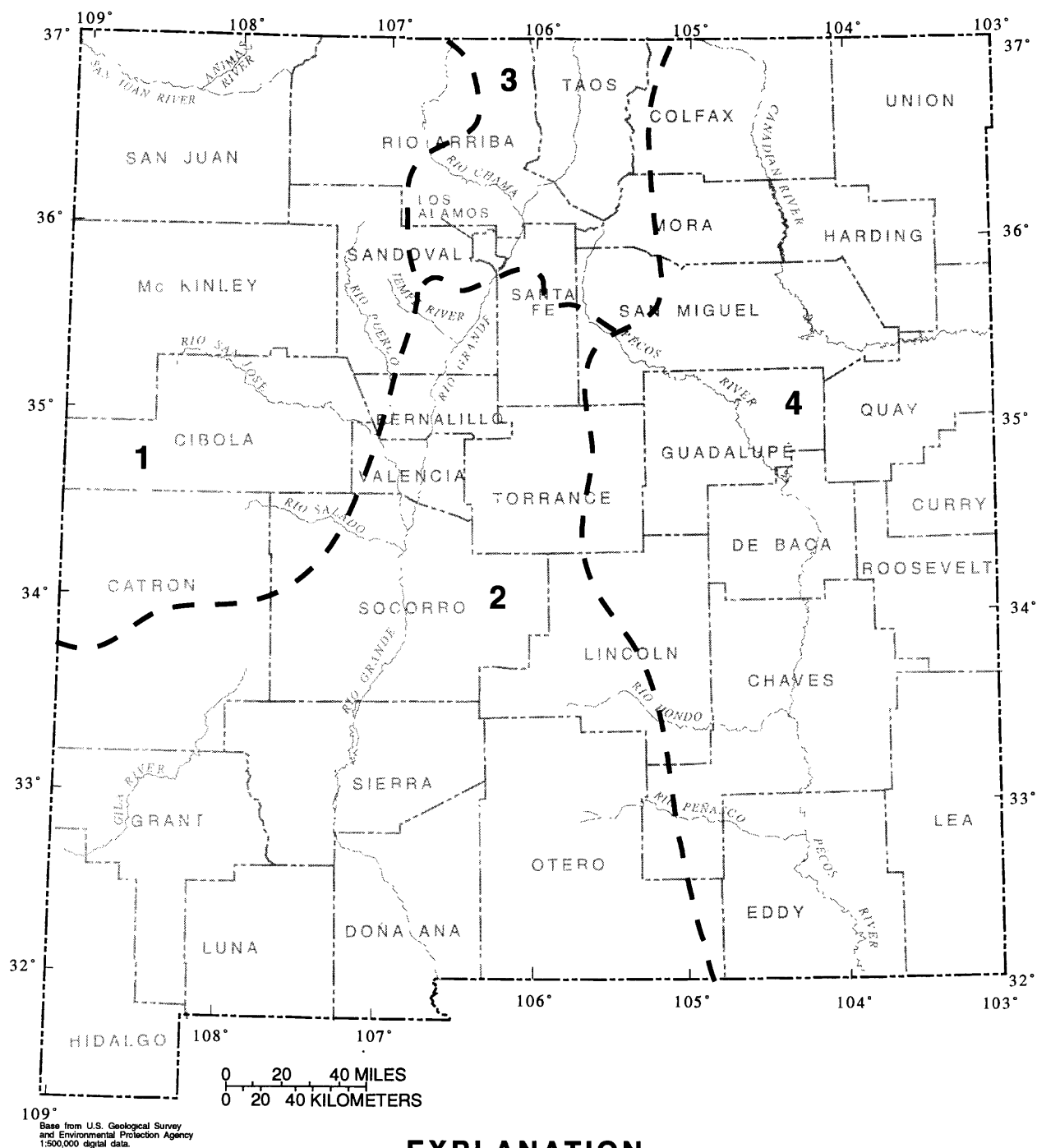
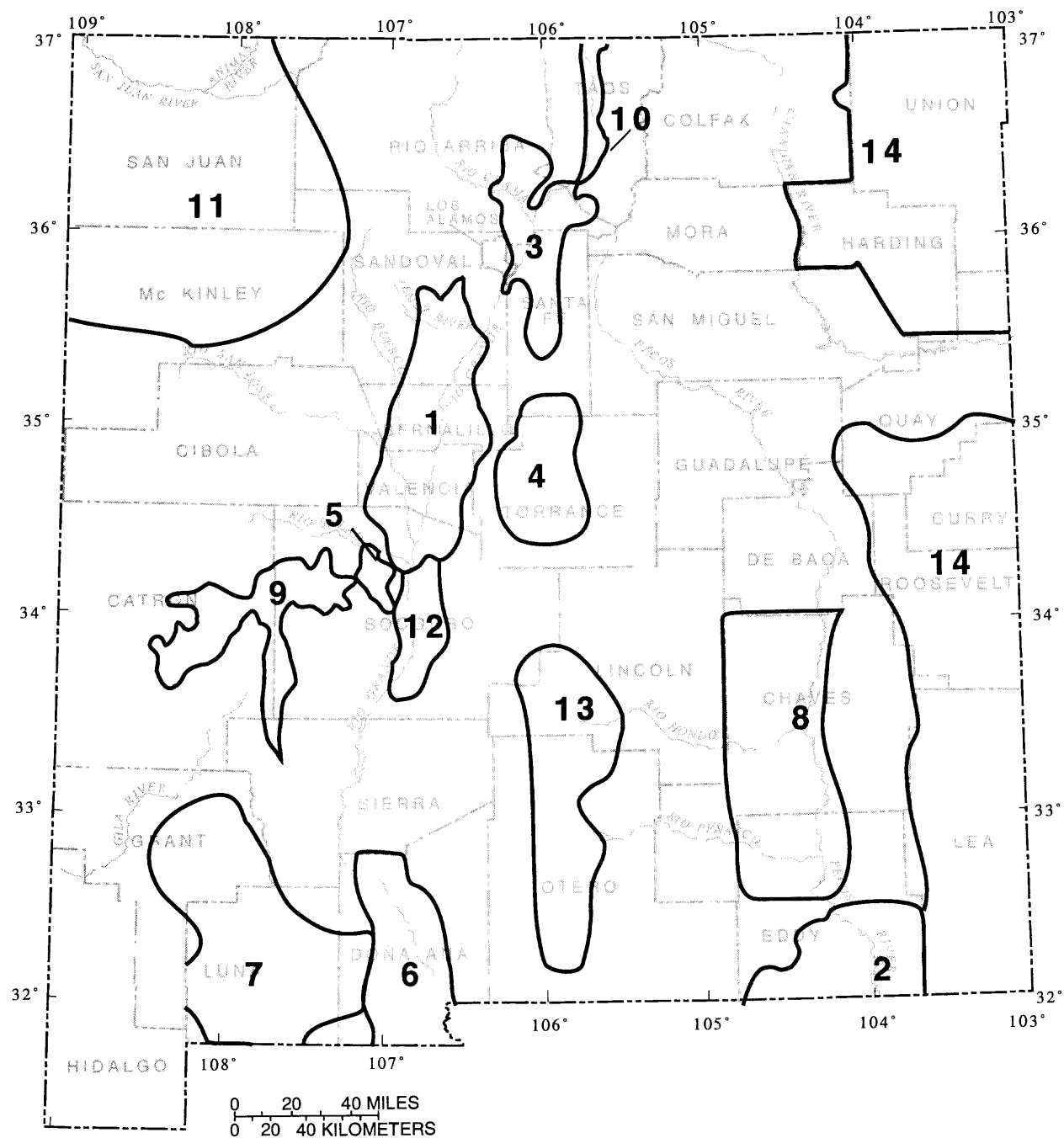
**PROVINCES - - - -**

Figure 3.--Physiographic provinces in New Mexico.



Base from U.S. Geological Survey
and Environmental Protection Agency
1:500,000 digital data.

EXPLANATION

BASINS

- | | |
|----------------------|-----------------|
| 1. Albuquerque-Belen | 8. Roswell |
| 2. Delaware | 9. San Agustin |
| 3. Espanola | 10. San Luis |
| 4. Estancia | 11. San Juan |
| 5. La Jencia | 12. Socorro |
| 6. Mesilla | 13. Tularosa |
| 7. Mimbres | 14. High Plains |

Figure 4.--Selected basins in New Mexico.

Topics of Special Interest

Bibliographies: 1, 23, 131-135, 199, 253, 290, 487-490

Evapotranspiration: 80, 137, 141

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