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1962

TEXAS WATER COMMISSION

Joe D. Carter, Chairman
O. F. Dent, Commissioner
H. A. Beckwith, Commissioner

Roger C. Baker



Circular No. 62-06

PUBLICATIONS
OF THE
TEXAS WATER COMMISSION

October 1962

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TEXAS WATER COMMISSION

216

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INTRODUCTION

This report contains lists of Bulletins, Circulars, Memorandum Reports, Limited Distribution Reports, Water-Resource Planning Reports, Biennial Reports, and miscellaneous unnumbered reports of the Texas Water Commission, together with Bulletins of the State Reclamation Department which are now distributed by the Commission. Also listed herein are a few Water-Supply Papers published by the U. S. Geological Survey which have been made available to this Agency in limited quantities for distribution.

For convenience to the user of these lists, a county location map is shown on the following page. An index of publications has also been included at the end of this report as an aid in determining which reports pertain to particular subjects and areas.

Information shown in brackets on the following pages is explanatory in nature and not a part of a publication title. Reprint dates where applicable are shown in parentheses. Publications that are out of print are indicated by an asterisk (*) before the publication number; most of these may be reviewed in the library of the Commission.

By action of the Fifty-seventh Legislature, in January 1962 the name of this Agency was changed from the Board of Water Engineers to the Texas Water Commission. Thus, reports of this Agency may have been published under either name depending on the date of publication.

Miscellaneous unnumbered publications were discontinued in 1962, and three new series of numbered publications were begun. Bulletins continue to be the major reports; Memorandum Reports present results of studies which are more limited in scope; and Circulars are presentations of basic data with little or no evaluation of data. Reports of the Limited Distribution Series were printed in small quantities for limited distribution, and information contained in these is similar in character to that contained in Memorandum Reports or Circulars and generally pertains to local areas.

Orders for Publications.--Address all orders to the Reports Division, Texas Water Commission, P. O. Box 2311, Austin, Texas. Unless otherwise indicated in the title listings, all publications are free of charge. No postage is required for shipment. Order blanks may be found in the back of this Circular.

Prepayment is required for priced publications and may be made by postal or express money order, check, or in cash--exact amount--at sender's risk. In addition to the publication price, remittance must include the required 2% State sales tax unless a properly completed tax exemption certificate, applicable only to shipments to governmental organizations and to certain types of interstate shipments, accompanies the order. Tax exemption certificates will be furnished by the Commission on request. Checks and money orders should be made payable to Secretary, Texas Water Commission.

BULLETINS

- B5001. Geology and Ground-Water Resources of the Houston District, Texas, by J. W. Lang and W. N. White. 59 pp., 15 figs., 3 pls., Oct. 1950.
- B5003. Geology and Ground-Water Resources of Walker County, Texas, by A. G. Winslow. 52 pp., 4 figs., 2 pls., Oct. 1950.
- *B5004. Development of Ground Water for Irrigation in the Dell City Area, Hudspeth County, Texas, by R. A. Scalapino. 41 pp., 1 fig., 1 pl., Sept. 1950.
- B5101. Water Supply of the Houston Gulf Coast Region, by W. H. Gaines, A. G. Winslow, and J. R. Barnes. 41 pp., 23 figs., Jan. 1951.
- B5102. Summary of the Development of Ground Water for Irrigation in the Lobo Flats Area, Culberson and Jeff Davis Counties, Texas, by J. W. Hood and R. A. Scalapino. 29 pp., 1 fig., 2 pls., Sept. 1951.
- B5103. Ground-Water Resources of Parker County, Texas, by G. J. Stramel. 58 pp., 1 pl., Nov. 1951.
- *B5104. Irrigation Wells and Water-Level Fluctuations in the High Plains of Texas to Jan. 1951, by E. R. Leggat. 29 pp., 18 figs., Nov. 1951 (Mar. 1953).
- B5201. The Houston District, Texas, Pumpage and Decline of Artesian Pressure During 1950-51, by A. G. Winslow and T. R. Fluellen, Jr. 28 pp., 17 figs., Jan. 1952.
- B5202. Summary of Ground-Water Development in the Pecos Area, Reeves and Ward Counties, Texas, 1947-51, by J. W. Hood and D. B. Knowles. 13 pp., 6 figs., Jan. 1952.
- *B5203. Winter Garden District, Dimmit and Zavala Counties and Eastern Maverick County, Texas [Records of Wells], by D. E. Outlaws and others. 59 pp., 1 pl., Mar. 1952.
- *B5204. Ground-Water Resources in the Vicinity of Kenmore Farms, Kendall County, Texas, by W. O. George and W. W. Doyel. 17 pp., 2 figs., June 1952.
- *B5205. Texas Index of Surface Water Records, 1882-1951, Discharge, Sediment, Chemical Quality, and Water Temperature. 47 pp., May 1952.
- B5206. Results of Artificial Recharge of the Ground-Water Reservoir at El Paso, Texas, by R. W. Sundstrom and J. W. Hood. 21 pp., 7 figs., July 1952 (Mar. 1957).
- B5207. Geology and Ground-Water Resources of Lynn County, Texas, by E. R. Leggat. 76 pp., 7 figs., 2 pls., Sept. 1952.
- B5208. Water Resources of Waller County, Texas, by T. R. Fluellen and W. H. Gaines. 60 pp., 8 figs., Sept. 1952.
- B5209. Ground-Water Resources of Starr County, Texas, by O. C. Dale. 50 pp., 3 figs., 1 pl., Dec. 1952.
- B5210. Ground-Water Resources of Ector County, Texas, by D. B. Knowles. 117 pp., 5 figs., 2 pls., Dec. 1952.
- B5301. Ground-Water Resources of the Odell Sand Hills, Wilbarger County, Texas, by G. W. Willis and D. B. Knowles. 57 pp., 12 figs., Jan. 1953.
- B5302. Records of Water-Level Measurements in Hale County, Texas, 1910-1953, by C. R. Follett. 44 pp., map, Oct. 1953.
- B5303. Records of Water-Level Measurements in Lubbock County, Texas, 1936-1953, by C. R. Follett. 34 pp., map, Oct. 1953.

- B5304. Records of Water-Level Measurements in Floyd County, Texas, 1913-1953, by C. R. Follett. 28 pp., map, Nov. 1953.
- B5305. Records of Water-Level Measurements in Deaf Smith County, Texas, 1914-1953, by C. R. Follett. 23 pp., map, Nov. 1953.
- B5306. Records of Water-Level Measurements in Lamb County, Texas, 1914-1953, by C. R. Follett. 21 pp., map, chart, Dec. 1953.
- B5307. Records of Water-Level Measurements in Swisher County, Texas, 1914-1953, by C. R. Follett. 25 pp., map, chart, Dec. 1953.
- B5401. Pumpage of Ground Water and Decline of Artesian Pressure in the Houston District, Texas, During 1951 and 1952, by W. W. Doyel, A. G. Winslow, and W. L. Naftel. 31 pp., 21 figs., Jan. 1954 (June 1954).
- B5402. Summary of Ground-Water Development in the Southern High Plains, Texas, by E. R. Leggat. 23 pp., 10 figs., Feb. 1954.
- B5403. Ground-Water Resources of Cameron County, Texas, by O. C. Dale and W. O. George. 66 pp., 4 figs., 1 pl., Feb. 1954.
- B5404. Records of Water-Level Measurements in Dallam, Hansford, Hartley, Hutchinson, Moore, Ochiltree, and Sherman Counties, Texas, compiled by C. R. Follett. 45 pp., 7 maps, chart, Mar. 1954.
- B5405. Records of Water-Level Measurements in Martin County, Texas, 1936-1953, compiled by C. R. Follett. 14 pp., chart, Apr. 1954.
- B5406. Records of Water-Level Measurements in Bailey, Briscoe, Castro, Parmer, Potter, and Randall Counties, Texas, compiled by C. R. Follett. 59 pp., 6 maps, 5 charts, Apr. 1954.
- B5407. Records of Water-Level Measurements in Cochran, Crosby, Gaines, Hockley, Lynn, and Terry Counties, Texas, compiled by C. R. Follett. 51 pp., 6 maps, 6 charts, Apr. 1954.
- B5408. Records of Water-Level Measurements in Loving and Ward Counties, Texas, compiled by C. R. Follett. 26 pp., 2 maps, chart, May 1954.
- B5409. Salt Water and Its Relation to Fresh Ground Water in Harris County, Texas, by A. G. Winslow and W. W. Doyel. 40 pp., 15 figs., June 1954.
- B5410. Ground-Water Development in the Southern High Plains of Texas, 1953, by E. R. Leggat. 9 pp., 2 figs., July 1954.
- B5411. Ground-Water Resources of Tom Green County, Texas, by G. W. Willis. 105 pp., 12 figs., 2 pls., Sept. 1954.
- B5412. Ground-Water Resources of the San Antonio Area, Texas, A Progress Report of Current Studies, by J. W. Lang. 32 pp., 6 figs., Aug. 1954.
- B5413. Records of Wells in Bastrop County, Texas, by G. M. Austin. 47 pp., 1 pl., Sept. 1954.
- B5414. Records of Water-Level Measurements in Reeves County, Texas, compiled by C. R. Follett. 31 pp., Sept. 1954.
- B5415. Records of Water-Level Measurements in Culberson, Hudspeth, and Jeff Davis Counties, Texas, compiled by C. R. Follett. 34 pp., 3 maps, 4 charts, Nov. 1954.
- B5416. Records of Water-Level Measurements in Atascosa and Frio Counties, Texas, compiled by B. W. Swartz. 26 pp., 2 maps, 2 charts, Dec. 1954.
- B5417. Records of Water-Level Measurements in El Paso County, Texas, compiled by C. R. Follett. 50 pp., map, Dec. 1954.
- B5418. Ground-Water Resources of Jones County, Texas, by A. G. Winslow, W. W. Doyel, and C. H. Gaum. 32 pp., 2 figs., 1 pl., Dec. 1954.
- B5501. Records of Wells in Hays County, Texas, by K. J. DeCook and W. W. Doyel. 63 pp., 1 pl., Feb. 1955.

- B5502. Geology and Ground-Water Resources of Galveston County, Texas, by B. M. Pettitt, Jr. and A. G. Winslow. 225 pp., 33 figs., 3 pls., Oct. 1955.
- B5503. Records of Water-Level Measurements in Haskell and Knox Counties, Texas, by C. R. Follett. 18 pp., 2 maps, 2 charts, Sept. 1955.
- B5601. Geology and Ground-Water Resources of Medina County, Texas, by C. L. R. Holt, Jr. 289 pp., 15 figs., 14 pls., Aug. 1956.
- B5602. Pumpage of Ground Water and Changes in Artesian Pressure in the Houston District and Baytown-LaPorte Area, Texas, 1953-55, by L. A. Wood. 41 pp., 23 figs., Feb. 1956.
- B5603. Ground-Water Resources of the El Paso District, Texas, Progress Report No. 7, by R. E. Smith. 36 pp., 6 figs., 1 pl., Feb. 1956.
- B5604. Ground-Water Resources of the Crane Sandhills, Crane County, Texas, by G. H. Shafer. 108 pp., 7 figs., 1 pl., Mar. 1956.
- B5605. Basic Data and Summary of Ground-Water Resources of Chambers County, Texas, by W. W. Doyel. 91 pp., 9 figs., 1 pl., Feb. 1956.
- B5606. Records of Water-Level Measurements in Bexar County, Texas, by C. R. Follett. 61 pp., map, 2 charts, Mar. 1956.
- B5607. Water-Level Decline Maps of 17 Counties, Southern High Plains, Texas, Jan. 1955 to Jan. 1956, by C. R. Follett. 20 pp., 17 maps, Apr. 1956.
- B5608. Ground-Water Resources of the San Antonio Area, Texas, by B. M. Pettitt, Jr. and W. O. George. Volume I, 85 pp., 25 figs., 12 pls., July 1956 [Out of print]; Volume II, Part I, 255 pp., 1 pl., July 1956; Volume II, Part II, 288 pp., July 1956; Volume II, Part III, 231 pp., 1 pl., July 1956.
- B5609. Records of Water-Level Measurements in Medina County, Texas, 1930 to March 1956, by C. R. Follett. 25 pp., map, 2 charts, Apr. 1956.
- B5610. Records of Water-Level Measurements in Comal and Guadalupe Counties, Texas, 1933 to March 1956, by C. R. Follett. 34 pp., map, 2 charts, Apr. 1956.
- B5611. Records of Water-Level Measurements in Kinney, Uvalde, and Val Verde Counties, Texas, 1929 to March 1956, by C. R. Follett. 72 pp., 3 maps, 5 charts, May 1956.
- B5612. Records of Water-Level Measurements in Hays, Travis, and Williamson Counties, Texas, 1937 to May 1956, by C. R. Follett. 74 pp., 3 maps, 5 charts, July 1956.
- B5613. Records of Water-Level Measurements in Childress, Cottle, Hardeman, and King Counties, Texas, 1940 to Jan. 1956, by C. R. Follett. 28 pp., 4 maps, 4 charts, July 1956.
- B5614. Records of Water-Level Measurements in Foard and Wilbarger Counties, Texas, 1936 to Jan. 1956, by C. R. Follett. 32 pp., 2 maps, 4 charts, Aug. 1956.
- B5615. Ground-Water Resources of the Hueco Bolson, Northeast of El Paso, Texas, by D. B. Knowles and R. A. Kennedy. 270 pp., 21 figs., 1 pl., Aug. 1956.
- B5617. Records of Water-Level Measurements in Dimmit, Maverick, and Zavala Counties, Texas, 1920, 1928 to Sept. 1956, by C. R. Follett. 76 pp., 3 maps, 4 charts, Dec. 1956.
- B5701. Artificial-Recharge Experiments at McDonald Well Field, Amarillo, Texas, by E. A. Moulder and D. R. Frazor. 37 pp., 15 figs., Jan. 1957.
- B5702. Records of Water Levels in Bastrop and Caldwell Counties, Texas, 1937 through Dec. 1956, by B. W. Swartz. 24 pp., 2 maps, 2 charts, Apr. 1957.

- B5703. Records of Water Levels in Aransas and San Patricio Counties, Texas, 1938 Through Dec. 1956, by B. W. Swartz. 26 pp., 2 maps, 2 charts, Apr. 1957.
- B5704. Geology and Ground-Water Resources of Lamb County, Texas, by E. R. Leggat. 187 pp., 19 figs., 3 pls., Mar. 1957.
- B5705. Water Level Decline Maps, 1956 to 1957, and Water Levels In Observation Wells in 20 Counties in the Southern High Plains, Texas, compiled by C. R. Follett. 44 pp., 20 maps, Apr. 1957.
- B5706. The Use of Ground Water for Irrigation in Childress County, Texas, by G. H. Shafer. 21 pp., 3 figs., Mar. 1957.
- B5707. Water Level Maps and Water Levels in Observation Wells in the North High Plains, Texas, by C. R. Follett. 17 pp., 7 maps, May 1957 (Revised Aug. 1957).
- B5708. Records of Wells in Travis County, Texas, by Ted Arnow. 32 pp., 1 fig., 1 pl., July 1957.
- B5709. Geology and Ground-Water Resources of Tarrant County, Texas, by E. R. Leggat. 187 pp., 26 figs., 9 pls., Sept. 1957.
- B5710. Ground-Water Geology of Wilson County, Texas, by R. B. Anders. 66 pp., 9 figs., 3 pls., July 1957.
- B5711. Ground-Water Resources of Goliad County, Texas, by O. C. Dale, E. A. Moulder, and Ted Arnow. 97 pp., 8 figs., 3 pls., Sept. 1957.
- B5712. Ground-Water Geology of the Alpine Area, Brewster, Jeff Davis, and Presidio Counties, Texas, by R. T. Littleton and G. L. Audsley. 91 pp., 9 figs., 2 pls., Sept. 1957.
- *B5801. Ground-Water Geology in the Vicinity of Dove & Croton Creeks, Stonewall, Kent, Dickens, and King Counties, Texas, With Special Reference to Salt-Water Seepage, by L. G. McMillion. 57 pp., 11 figs., 2 pls., July 1958.
- *B5802. Ground-Water Conditions in Carson County, Texas, by Chris Gard. 120 pp., 6 figs., 2 pls., Aug. 1958.
- *B5803. Ground-Water Geology of Real County, Texas, by A. T. Long. 50 pp., 10 figs., 3 pls., Oct. 1958.
- B5804. Records of Water-Level Measurements in Jackson, Matagorda, and Wharton Counties, Texas, 1934 to April 1958, by F. A. Rayner. 36 pp., 3 maps, 3 charts, Dec. 1958.
- *B5805. Pumpage of Ground Water and Fluctuations of Water Levels in the Houston District and Baytown-LaPorte Area, Texas, 1955-57, by L. A. Wood. 43 pp., 27 figs., Dec. 1958.
- B5806. Records of Water-Level Measurements in Collingsworth, Hemphill, Roberts, and Wheeler Counties, Texas, 1937 Through July 1958, by F. A. Rayner. 26 pp., 4 maps, 3 charts, Dec. 1958.
- B5807-A. Compilation of Surface Water Records in Texas Through September 1957. 505 pp., Sept. 1958. Price: \$12.25.
- B5807-B. Texas Index of Surface Water Records, Discharge, Sediment, Chemical Quality, and Water Temperature. 61 pp., Nov. 1958.
- B5807-C. Summary of Peak Flood Flow Measurements and Other Measurements of Stream Discharge in Texas at Points Other Than Gaging Stations. 262 pp., 4 pls., Feb. 1959 (June 1961). Price: \$7.75.
- B5807-D. Channel Gain and Loss Investigations, Texas Streams, 1918-1958. 278 pp., 31 figs., Apr. 1960. Price: \$3.00.
- B5807-E. Texas Stream-Gaging Program: Evaluation and Recommendations. 37 pp., 4 figs., 2 pls., Oct. 1960.
- B5808. Pumpage of Ground Water and Changes in Water Levels in Galveston County, Texas, 1952-57, by L. A. Wood. 28 pp., 13 figs., 1 pl., Dec. 1958.

- B5901. Records of Water-Level Measurements in Chambers, Liberty, and Montgomery Counties, Texas, 1931 Through April 1958, by F. A. Rayner. 35 pp., 3 maps, 3 charts, Jan. 1959.
- B5902. Records of Water-Level Measurements in Bell, McLennan, and Somervell Counties, Texas, 1930 Through 1957, by F. A. Rayner. 20 pp., 3 maps, 3 charts, Feb. 1959.
- B5903. Records of Water-Level Measurements in Crockett, Glasscock, Reagan, Upton, and Terrell Counties, Texas, 1937 Through 1957, by F. A. Rayner. 23 pp., 4 maps, 3 charts, Mar. 1959.
- B5904. Records of Water-Level Measurements in Brazoria, Fort Bend, and Waller Counties, Texas, 1931 Through June 1958, by F. A. Rayner. 57 pp., 6 figs., 3 maps, Feb. 1959.
- *B5905. Chemical Composition of Texas Surface Waters, 1956. 59 pp., Jan. 1959.
- B5906. Records of Water-Level Measurements in Crane and Midland Counties, Texas, 1937 Through 1957, by F. A. Rayner. 14 pp., 2 maps, 2 charts, Mar. 1959.
- B5907. Records of Water-Level Measurements in Mitchell, Nolan, Sterling, and Tom Green Counties, Texas, 1938 Through 1957, by F. A. Rayner. 30 pp., 3 maps, 3 charts, Mar. 1959.
- B5908. Water-Level Measurements and Maps, Southern High Plains, Texas, 1958 and 1959, by F. A. Rayner. 49 pp., 23 maps, June 1959.
- B5909. Water-Level Measurements and Maps, Northern High Plains, Texas, 1958 and 1959, by F. A. Rayner. 19 pp., 8 maps, Aug. 1959.
- *B5910. Water Requirements Survey for Texas [prepared by Bureau of Business Research, University of Texas]. 82 pp., 1 pl., July 1959.
Price: \$2.00.
- B5911. Ground-Water Geology of Bexar County, Texas. 62 pp., 13 figs., 4 pls., Oct. 1959. Price: \$1.00.
- B5912. Inventory and Use of Sedimentation Data in Texas [prepared by Soil Conservation Service U.S.D.A.]. 89 pp., 5 figs., 2 pls., Jan. 1959.
Price: \$1.25.
- B5913. Texas Index of Meteorological Data. 59 pp., Oct. 1959.
Price: \$0.80.
- B5914. A Study of Droughts in Texas, by R. L. Lowry, Jr. 81 pp., 1 fig., 11 pls., Dec. 1959. Price: \$1.00.
- B5915. Chemical Composition of Texas Surface Waters, 1957, by L. S. Hughes. 80 pp., Nov. 1959. Price: \$0.70.
- B5916. Geology and Ground-Water Resources of Winkler County, Texas, by Sergio Garza and J. B. Wesselman. 216 pp., 15 figs., 8 pls., Nov. 1959.
- B6001. Surface Runoff from Texas Watersheds and Sub-Basins. 274 pp., 2 figs., 2 maps, Feb. 1960. Price: \$3.00.
- B6002. Brine Production and Disposal on the Lower Watershed of Chambers and Richland Creeks, Navarro County, Texas, by F. L. Osborne, Jr. and V. M. Shamburger, Jr. 73 pp., 4 figs., 2 pls., Mar. 1960.
- B6003. Geology and Ground-Water Resources of Dimmit County, Texas, by C. C. Mason. 251 pp., 10 figs., 13 pls., June 1960.
- B6004. Geology and Ground-Water Resources of Hays County, Texas, by K. J. DeCook. 170 pp., 10 figs., 7 pls., Aug. 1960.
- B6005. Water-Level Measurements in Culberson, Hudspeth, and Jeff Davis Counties, Texas, by Jack Stearman. 9 pp., 3 maps, Apr. 1960.
- B6006. Monthly Reservoir Evaporation Rates for Texas, 1940 Through 1957. 95 pp., 5 pls., May 1960. Price: \$1.25.

- B6007. Ground-Water Geology of Karnes County, Texas, by R. B. Anders. 110 pp., 10 figs., 4 pls., July 1960.
- B6008. Water Levels in Observation Wells in Cameron, Hidalgo, and Starr Counties, Texas, 1950-1959, by Jack Stearman. 9 pp., 3 maps, May 1960.
- B6009. Water Levels in Observation Wells in Haskell and Knox Counties, Texas, 1956-1960, by Jack Stearman. 11 pp., 2 maps, 2 charts, June 1960.
- B6010. Geology and Ground-Water Resources of Hale County, Texas, by J. G. Cronin and L. C. Wells. 158 pp., 17 figs., 3 pls., Nov. 1960.
- B6011. Water Levels in Observation Wells, Southern High Plains, Texas, 1959 and 1960, by Jack Stearman. 49 pp., 23 maps, July 1960.
- B6012. Water Levels in Observation Wells, Northern High Plains, Texas, 1958-1960, by Jack Stearman. 19 pp., 8 maps, Aug. 1960.
- B6013. Geology and Ground-Water Resources of Grayson County, Texas, by E. T. Baker, Jr. 155 pp., 19 figs., 1 pl., Sept. 1960.
- B6014. Ground-Water Resources of the Lower Rio Grande Valley Area, Texas, by R. C. Baker and O. C. Dale. Volume I, 88 pp., 10 figs., 14 pls., Feb. 1961; Volume II, 340 pp., 1 pl., Feb. 1961.
- B6015. Water Levels in Observation Wells in Atascosa and Frio Counties, Texas, 1955-1960, by Jack Stearman. 11 pp., 2 maps, 2 charts, Sept. 1960.
- B6016. Reconnaissance Investigation of the Ground Water Resources of the Canadian River Basin, Texas. 33 pp., 1 fig., 4 pls., Sept. 1960.
- B6017. Ground-Water Geology of the Hickory Sandstone Member of the Riley Formation, McCulloch County, Texas, by C. C. Mason. 89 pp., 14 figs., 1 pl., Feb. 1961.
- B6018. Irrigation in Texas in 1958. 254 pp., 2 pls., Nov. 1960.
- B6019. Consumptive Use of Water by Major Crops in Texas, by L. L. McDaniels. 51 pp., Nov. 1960 (Sept. 1961, July 1962).
- B6101. Water Levels in Observation Wells, Southern High Plains, Texas, 1960 and 1961, compiled by D. C. Draper. 56 pp., 26 maps, Mar. 1961.
- B6102. Geology and Ground-Water Resources of Carson County and Part of Gray County, Texas, Progress Report No. 1, by A. T. Long, Jr. 49 pp., 11 figs., Mar. 1961.
- B6103. Annual Water-Level Measurements in Observation Wells, Northern High Plains, Texas, 1960 and 1961, compiled by R. C. Lucas. 21 pp., 9 maps, Mar. 1961.
- B6104. Chemical Composition of Texas Surface Waters, 1958, by L. S. Hughes and Wanda Jones. 88 pp., 3 figs., 1 pl., Apr. 1961.
Price: \$1.00.
- B6105. Ground-Water Geology of Live Oak County, Texas, by R. B. Anders and E. T. Baker, Jr. 128 pp., 7 figs., 5 pls., Apr. 1961.
- B6106. Geology and Ground-Water Resources of Pecos County, Texas, by C. A. Armstrong and L. G. McMillion. Volume I, 250 pp., 12 figs., 15 pls., Oct. 1961; Volume II, 298 pp., Oct. 1961.
- B6107. A Summary of the Occurrence and Development of Ground Water in the Southern High Plains of Texas, by J. G. Cronin. 110 pp., 19 figs., Sept. 1961.
- B6108. Silt Load of Texas Streams, A Compilation Report, June 1889-September 1959, compiled by I. M. Stout, L. C. Bentz, and H. W. Ingram. 242 pp., 1 pl., Dec. 1961.

- B6109. Geology and Ground-Water Resources of the Northern High Plains of Texas, Progress Report No. 1, by W. H. Alexander, Jr. 47 pp., 5 figs., 4 pls., Nov. 1961.
- B6110. Ground-Water Reconnaissance of the Marfa Area, Presidio County, Texas, by M. E. Davis. 44 pp., 4 figs., Dec. 1961.
- B6111. A Reconnaissance of the Ground-Water Resources of the Marathon Area, Brewster County, Texas, by K. J. DeCook. 54 pp., 3 figs., 2 pls., Dec. 1961.
- B6201. Recharge, Discharge, and Changes in Ground-Water Storage in the Edwards and Associated Limestones, San Antonio Area, Texas, A Progress Report on Studies, 1955-59, by Sergio Garza. 51 pp., 16 figs., 3 pls., Jan. 1962.
- B6202. Ground-Water Resources of Victoria and Calhoun Counties, Texas, by R. F. Marvin, G. H. Shafer, and O. C. Dale. 161 pp., 8 figs., 10 pls., Jan. 1962.
- B6203. Ground-Water Resources of the Lower Mesilla Valley, Texas and New Mexico, by E. R. Leggat, M. E. Lowry, and J. W. Hood. 199 pp., 20 figs., 3 pls., Mar. 1962.
- B6204. Development of Ground Water in the El Paso District, Texas, 1955-60, Progress Report No. 8, by E. R. Leggat. 65 pp., 12 figs., 5 pls., Mar. 1962.
- B6205. Chemical Composition of Texas Surface Waters, 1959, by L. S. Hughes and Wanda Shelby. 109 pp., 3 figs., 1 pl., Apr. 1962.
- B6206. Research in the Problem of Scaling of Electrodialysis Demineralizers, by D. A. Cowan. 40 pp., 14 figs., Apr. 1962.
- B6207. Water-Level Measurements through 1962 in Selected Observation Wells, Southern High Plains, Texas, compiled by the Staff of the Well Observation Program of the Ground Water Division. 158 pp., 26 maps, 3 charts, June 1962.
- B6208. Ground-Water Geology of Edwards County, Texas, by A. T. Long. 128 pp., 9 figs., 1 pl., Apr. 1962.
- B6209. Ground-Water Resources of Haskell and Knox Counties, Texas, by William Ogilbee and F. L. Osborne, Jr. 185 pp., 6 figs., 7 pls., Aug. 1962.
- B6210. Ground-Water Geology of Bandera County, Texas, by R. D. Reeves and F. C. Lee. 78 pp., 4 figs., 1 pl., May 1962.
- B6211. Pumpage of Ground Water and Fluctuation of Water Levels in the Houston District and the Baytown-La Porte Area, Texas, 1957-61, by R. B. Anders and W. L. Naftel. 56 pp., 26 figs., June 1962.
- B6212. Geology and Ground-Water Resources of Uvalde County, Texas, by F. A. Welder and R. D. Reeves. 263 pp., 11 figs., 5 pls., July 1962.
- B6213. Annual Water-Level Measurements in Observation Wells, Northern High Plains, Texas, 1961 and 1962, compiled by the Staff of the Well Observation Section of the Ground Water Division. 21 pp., 9 maps, July 1962.
- B6214. Geology and Ground-Water Resources of Reeves County, Texas, by William Ogilbee, J. B. Wesselman, and Burdge Irelan. Volume I, 213 pp., 10 figs., 13 pls., Sept. 1962; Volume II, 248 pp., Sept. 1962.

CIRCULARS

C62-01. The Present Reconnaissance Study Program of the Chemical Quality of Streams in Texas. 17 pp., Apr. 1962.

MEMORANDUM REPORTS

- MR 62-01. Ground-Water Conditions in the Vicinity of Burnet, Texas, by J. R. Mount. 65 pp., 9 pls., Feb. 1962.
- MR 62-02. Reconnaissance Survey of Salt Water Disposal in the Mexia, Negro Creek, and Cedar Creek Oil Fields, Limestone County, Texas, by S. C. Burnitt, H. D. Holloway, and J. T. Thornhill. 34 pp., 2 figs., 2 pls., May 1962.

LIMITED DISTRIBUTION REPORTS

Reports next listed were printed in small quantities for limited distribution. Suffix designation indicates that information contained in these reports is similar in character to that contained in Memorandum Reports (MR) or Circulars (C).

- *LD-0162-MR. City of Hawkins, Wood County, Texas, Investigation of Ground-Water Contamination, by S. C. Burnitt. 28 pp., 1 fig., 1 pl., Aug. 1962.
- LD-0262-MR. Henderson Oil Field, Rusk County, Texas, Investigation of Ground-Water Contamination, by S. C. Burnitt. 16 pp., 2 figs., 1 pl., Oct. 1962.
- LD 0362 C

PLANNING SERIES

The Texas Water Resources Planning Division of the Commission is directed by the Texas Water Planning Act of 1957 "To prepare and submit to the Legislature a state-wide report of the water resources of the State with a correlation and relationship of these resources and to make recommendations to the Legislature for the maximum development of the water resources of the State***." Two major planning reports have been prepared and published by the Commission [Board] in this series. Supplementary reports of studies used in the preparation of these are listed together in the index to publications (page 32).

* Texas Water Resources Planning at the End of the Year 1958. 170 pp., 4 figs., 21 pl., Dec. 1958.

A progress report to the Fifty-sixth Legislature treating in broad outline availability, development, and use of ground and surface water resources, with projections of probable water needs and a preliminary review of the planning for the development of the surface waters of the State by river authorities, Federal Agencies, and other authorized governmental agencies.

A Plan for Meeting the 1980 Water Requirements of Texas. 228 pp., 7 figs., 25 pls., May 1961.

A report of the Fifty-seventh Legislature proposing development programs for each of the State's 14 principal river basins and adjoining coastal areas, with special attention to the needs of large population and industrial centers. The plan proposes construction by 1980 of 45 new reservoirs and enlargement of 2 others to supplement the 73 existing reservoirs and 14 under construction, in order to meet a projected annual water requirement of 6,547,500 acre-feet.

The following reports on Texas water resource planning, prepared by or in cooperation with other agencies where indicated, have also been made available in limited quantities for free distribution by the Commission.

Water Developments and Potentialities of the State of Texas. 220 pp., 38 pls., June 1958.

Prepared jointly by the Texas Board of Water Engineers, U. S. Corps of Engineers, U. S. Bureau of Reclamation, and U. S. Soil Conservation Service; published and submitted by Governor Price Daniel to Senator Lyndon B. Johnson, who caused it to be reproduced as Senate Document 111, 85th Congress, 2d Session.

Views, Comments, and Recommendations of the Board of Water Engineers on the Proposed Report of the U. S. Study Commission-Texas--submitted to Governor Price Daniel, December 4, 1961. 26 pp.

Comments of State Agencies, Political Subdivisions (River Authorities & Conservation Districts), and Others on the Proposed Report of the U. S. Study Commission-Texas--which were submitted to the Board of Water Engineers by December 4, 1961. 98 pp., 1 pl.

A limited number of copies of the following report have been made available to this Agency for distribution by the publishing agency.

The Report of the U. S. Study Commission-Texas. Part I, the Commission Plan. 213 pp., 16 figs., 4 pls., 39 photographs, Mar. 1962; Part II, Resources and Problems. 392 pp., 99 figs., 12 pls., 72 photographs, Mar. 1962; Part III, the Eight Basins. 254 pp., 26 pls., Mar. 1962; Summary and Recommendations. 20 pp., 1 fig., 1 pl., Apr. 1962. Published by the U. S. Study Commission-Texas.

BIENNIAL REPORTS

Digests of the actions and accomplishments of the Texas Water Commission [prior to January 30, 1962, the Board of Water Engineers] were prepared and submitted to the Governor in compliance with the Revised Civil Statutes of Texas for the following Fiscal Years:

1. Sept. 1, 1913-Aug. 31, 1914. 47 pp., 2 figs., 1915.
- * 2. Sept. 1, 1914-Aug. 31, 1916. 76 pp., 2 figs., 1917.
- * 3. Sept. 1, 1916-Aug. 31, 1918. 68 pp., 2 figs., 1919.
6. Sept. 1, 1922-Aug. 31, 1924. 53 pp., Jan. 1925.
7. Sept. 1, 1924-Aug. 31, 1926. 41 pp., Jan. 1927.
8. Sept. 1, 1926-Aug. 31, 1928. 48 pp., [No date].
9. Sept. 1, 1928-Aug. 31, 1930. 48 pp., [No date].
10. Sept. 1, 1930-Aug. 31, 1932. 46 pp., [No date].
11. Sept. 1, 1932-Aug. 31, 1934. 43 pp., Dec. 1934.
- *12. Sept. 1, 1934-Aug. 31, 1936. 56 pp., Jan. 1937.
13. Sept. 1, 1936-Aug. 31, 1938. 51 pp., Jan. 1939.
14. Sept. 1, 1938-Aug. 31, 1940. 79 pp., Dec. 1940.
- *15. Sept. 1, 1940-Aug. 31, 1942. 60 pp., Dec. 1942.
- *16. Sept. 1, 1942-Aug. 31, 1944. 75 pp., Dec. 1944.
- *17. Sept. 1, 1944-Aug. 31, 1946. 94 pp., 8 figs., Dec. 1946.
- *18. Sept. 1, 1946-Aug. 31, 1948. 218 pp., 66 figs., Dec. 1948.
19. Sept. 1, 1948-Aug. 31, 1950. 199 pp., 72 figs., Nov. 1950.
20. Sept. 1, 1950-Aug. 31, 1952. 120 pp., 29 figs., Nov. 1952.
21. Sept. 1, 1952-Aug. 31, 1954. 121 pp., 28 figs., Nov. 1954.
22. Sept. 1, 1954-Aug. 31, 1956. 99 pp., 10 figs., [No date].

MISCELLANEOUS UNNUMBERED PUBLICATIONS

PUBLISHED PRIOR TO 1962

(Alphabetized by county, city, area, or key subject word)

- * 1. Ground-Water Resources of the Area Southwest of Amarillo, Texas, by W. H. Alexander, Jr. and J. H. Dante. 45 pp., map, Sept. 1946.
- * 2. Artesian Water in the Elkhart Area, Southern Anderson County, Texas, by L. G. McMillion. 18 pp., 4 figs., Nov. 1956.
3. Andrews County, Texas [Records of Wells, South Half], by S. F. Turner. 34 pp., map, Dec. 1937.
4. Andrews County, Texas [Records of Wells]. 55 pp., map, May 1940.
5. Aransas County, Texas [Records of Wells]. 47 pp., map, Apr. 1940 (July 1950).
6. Armstrong County, Texas [Records of Wells]. 48 pp., 2 maps, Sept. 1940 (Oct. 1950).
7. Ground-Water Resources of Atascosa County, Texas, Progress Report. 55 pp., 2 maps, Aug. 1945 (Apr. 1953).
8. Austin County, Texas [Records of Wells]. 37 pp., map, Feb. 1938.
- * 9. Bailey County, Texas [Records of Wells, Northeast Part]. 17 pp., map, June 1936.
- *10. Bailey County, Texas [Records of Wells]. 53 pp., map, June 1937.
- *11. Ground-Water Resources of the Balmorhea Area in Western Texas, by W. N. White, H. S. Gale, and S. S. Nye. 102 pp., 2 figs., 1 pl., Feb. 1938.
12. Bee County, Texas [Records of Wells]. 31 pp., map, June 1940 (Apr. 1941).
13. Ground-Water Resources of Bexar County, Texas, by Penn Livingston. 240 pp., 2 figs., 2 pls., May 1947.
- *14. Blanco County, Texas [Records of Wells], by B. A. Barnes and J. C. Crumley. 56 pp., map, Jan. 1942.
- *15. Texas Board of Water Engineers [Review of Board's Functions and Duties]. 9 pp., Sept. 1950.
16. Ground-Water Resources of Borden County, Texas, by E. C. Ellis. 30 pp., 2 figs., Sept. 1949.
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20. Investigation of Contamination Complaint, Clemens Prison Farm, Brazoria County, Texas [Contamination Report No. 9], by R. C. Peckham. 10 pp., 4 pls., Aug. 1960.
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24. Ground Water in the Vicinity of Bryan and College Station, Texas, by S. F. Turner. 44 pp., 2 figs., 1 pl., Jan. 1938 (July 1951).
25. Ground Water Supply of Bryan, Texas, by B. A. Barnes, C. P. Follett, and R. W. Sundstrom. 41 pp., 8 figs., 1 pl., Aug. 1944 (Aug. 1951).
26. Burleson County, Texas [Records of Wells]. 47 pp., map, Aug. 1937.

- *27. Geology and Ground-Water Resources of Caldwell County, Texas, by W. C. Rasmussen. 62 pp., 2 pls., May 1947.
- *28. Calhoun County, Texas [Records of Wells]. 71 pp., map, May 1941.
- *29. Callahan County, Texas [Records of Wells]. 44 pp., map, Nov. 1940.
- 30. Camp, Franklin, and Titus Counties, Texas [Records of Wells]. 42 pp., map, Feb. 1943 (Apr. 1950).
- *31. Results of Pumping Tests of Wells at Camp Hood, Texas, by W. F. Guyton and W. O. George. 31 pp., 4 figs., Jan. 1943.
- 32. Carson County, Texas [Records of Wells]. 51 pp., map, Apr. 1939.
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- *36. Chemical Composition of Texas Surface Waters, 1938-1944, by W. W. Hastings and J. H. Rowley. 170 pp., Mar. 1945.
- 37. Chemical Composition of Texas Surface Waters, 1938-1945, by W. W. Hastings and J. H. Rowley. 235 pp., Sept. 1946.
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- 39. Chemical Composition of Texas Surface Waters, 1947, by Burdge Irelan and J. R. Avrett. 58 pp., Sept. 1948.
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- 42. Chemical Composition of Texas Surface Waters, 1950. 107 pp., Mar. 1952.
- 43. Chemical Composition of Texas Surface Waters, 1951. 66 pp., Dec. 1954.
- 44. Chemical Composition of Texas Surface Waters, 1952. 64 pp., Feb. 1956.
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- 46. Chemical Composition of Texas Surface Waters, 1954. 63 pp., Dec. 1956.
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- 48. Review of Chemical Quality-of-Water Data Collection Program in the Brazos River Basin. 11 pp., 1 pl., Jan. 1961.
- 49. Cherokee County, Texas [Records of Wells]. 105 pp., map, Dec. 1936.
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- *53. Circular of Information, Containing a Reprint of Portions of the Revised General Irrigation Act of 1925, Together with Requirements for Maps and Other Drawings, Fee List, and the Rules and Regulations of the Board of Water Engineers for the State of Texas. 27 pp., Sept. 1925.
- *54. Circular of Information, Containing a Reprint of Portions of the Revised General Irrigation Act of 1925, and Amendments, Together with Requirements for Maps and Other Drawings, Fee List, and the Rules and Regulations of the Board of Water Engineers for the State of Texas. 32 pp., Apr. 1945.

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57. Colorado County, Texas [Records of Wells]. 25 pp., map, Mar. 1938.
- *58. Comal County, Texas [Records of Wells]. 42 pp., map, Aug. 1937.
- *59. Geology and Ground Water Resources of Comal County, Texas, by W. O. George, W. W. Hastings, and S. D. Breeding. 147 pp., 7 figs., 5 pls., Feb. 1947.
- *59a. Coastal Area Water Conference at Houston, Texas, October 20, 1948 [Compilation of Papers Presented]. 72 pp., 1948.
- *59b. South Texas Water Conference at Corpus Christi, Texas, August 13, 1948 [Compilation of Papers Presented]. 89 pp., 1948.
- *60. Underground Water Conservation Districts in Texas, by F. A. Rayner and L. G. McMillion [preliminary copies, subject to revision]. 66 pp., 5 figs., Aug. 1960.
- *61. Water Requirements for Certain Irrigated Crops in Texas, by R. C. Garrett. 12 pp., 1 fig., Aug. 1951.
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- *75. Occurrence of Ground Water in the Palangana Brine Field, Duval County, Texas, by A. M. Austin. 12 pp., 2 pls., Apr. 1959.
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100. Grimes County, Texas [Records of Wells], by S. F. Turner. 6 pp., Apr. 1939.
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- *181. Martin County, Texas [Records of Wells]. 84 pp., map, Dec. 1936.
- *182. Mason County, Texas [Records of Wells]. 50 pp., 2 pls., July 1940 (May 1950).
- *183. Matagorda County, Texas [Records of Wells]. 32 pp., map, May 1944.
184. Ground-Water Resources of Matagorda County, Texas, by R. W. Sundstrom, G. H. Cromack, and N. N. West. 44 pp., 2 figs., Apr. 1949.
- *185. Memorandum Report of Mathematical Method of Comparing Chemical Analyses, by F. A. Rayner. 13 pp., Apr. 1960.
186. Ground-Water Conditions in the Memphis Area, Texas, by J. W. Lang. 45 pp., 4 figs., June 1943 (July 1950).
- *187. Midland County, Texas [Records of Wells]. 42 pp., map, Jan. 1938.
188. Milam County, Texas [Records of Wells]. 58 pp., map, Mar. 1937 (May 1950).
- *189. Memorandum on Ground-Water Irrigation in Mitchell County, Texas, by O. C. Dale and W. L. Broadhurst. 14 pp., 1 fig., July 1953.
- *190. Ground-Water Resources in the Vicinity of Nocona, Montague County, Texas, by W. L. Broadhurst and C. R. Follett. 16 pp., 1 fig., Dec. 1944.
191. Montgomery County, Texas [Records of Wells], by Penn Livingston. 15 pp., map, Apr. 1939 (Apr. 1953).

- *192. Montgomery County, Texas [Records of Wells]. 31 pp., 2 charts, map, Apr. 1943.
- 193. Pumping Costs, Selected Pumping Plants in Moore and Hansford Counties, Texas, by W. F. Hughes. 8 pp., Mar. 1955.
- *194. Morris County, Texas [Records of Wells], by C. R. Follett. 20 pp., map, June 1942.
- 195. Nacogdoches County, Texas [Records of Wells]. 54 pp., map, Feb. 1937 (July 1950).
- 196. Ground Water in Northwestern Nolan County, Texas [Records of Wells], by D. B. Knowles. 9 pp., 1 fig., June 1947 (Aug. 1953).
- 197. Nueces County, Texas [Records of Wells], by W. A. Lynch. 29 pp., map, 1934 (Oct. 1950).
- *198. Ochiltree County, Texas [Records of Wells]. 45 pp., map, June 1939 (Mar. 1952).
- 199. Oldham County, Texas [Records of Wells]. 51 pp., map, Nov. 1938.
- *200. Orange County, Texas, Water Wells, by Penn Livingston and G. H. Cromack. 44 pp., map, Mar. 1942.
- 201. A Review of the Proposed Sunday Canyon Reservoir Project, Palo Duro State Park, Texas [Prepared for the Texas State Parks Board]. 35 pp., 9 figs., Oct. 1961.
- 202. Panola County, Texas [Records of Wells]. 46 pp., map, Apr. 1938.
- 203. Parmer County, Texas [Records of Wells]. 46 pp., map, Apr. 1938.
- 204. Progress Report of the Board of Water Engineers. 60 pp., 2 figs., Dec. 1942.
- *205. Progress Report, Texas Board of Water Engineers, for the Period September 1, 1942-August 31, 1944. 75 pp., 2 figs., Dec. 1944.
- *206. Progress Report, Texas Board of Water Engineers, for the Period September 1, 1944-August 31, 1946. 94 pp., 8 figs., Dec. 1946.
- 207. Progress Report, Texas Board of Water Engineers, for the Period September 1, 1946-August 31, 1948. 216 pp., 39 figs., Dec. 1948. (Mar. 1953).
- *208. Records of Wells and Springs in Northern Pecos County, Texas, by J. H. Dante. 89 pp., 1 pl., July 1947.
- *209. Reconnaissance of Ground-Water Development in the Fort Stockton Area, Pecos County, Texas, by G. L. Audsley. 70 pp., 4 figs., 1 pl., Sept. 1956.
- *210. Reconnaissance Report of the Bishkin-Meyers Well Near Pierce, Wharton County, Texas [Contamination Report No. 4], by V. M. Shamburger, Jr. 15 pp., 3 figs., Dec. 1958.
- *211. Potter County, Texas [Records of Wells]. 53 pp., map, Jan. 1938.
- *212. Ground-Water Conditions in Premont-LaGloria-Falfurrias District, Texas, by G. H. Cromack. 15 pp., May 1944 (June 1951).
- *213. Public Water Supplies in Central and North-central Texas, by R. W. Sundstrom, W. L. Broadhurst, and Mrs. B. C. Dwyer. 250 pp., map, July 1947.
- *214. Public Water Supplies in Eastern Texas, by R. W. Sundstrom, W. W. Hastings, and W. L. Broadhurst. Volume I, 250 pp., Feb. 1945; Volume II, 229 pp., Feb. 1945.
- 215. Public Water Supplies in Southern Texas, by W. L. Broadhurst, R. W. Sundstrom, and J. H. Rowley. 190 pp., July 1946.

- 216 Public Water Supplies in Western Texas, by W. L. Broadhurst, R. W. Sundstrom, and D. E. Weaver. 284 pp., June 1949.
- *217. List of Ground Water Publications [Board of Water Engineers and U. S. Geological Survey]. 22 pp., Feb. 1954.
218. List of Ground Water Publications [Board of Water Engineers and U. S. Geological Survey, with list of open-file reports]. 57 pp., Nov. 1955.
- *219. List of Ground-Water Publications [Board of Water Engineers and U. S. Geological Survey, with list of open-file reports]. 88 pp., July 1957.
- *220. List of Publications [Board of Water Engineers]. 23 pp., May 1960 (Revised Dec. 1960).
- *221. List of Available Publications [Board of Water Engineers]. 17 pp., June 1961.
223. Rains County, Texas [Records of Wells]. 14 pp., map, Feb. 1943 (May 1950).
- *224. Randall County, Texas [Records of Wells]. 32 pp., map, Feb. 1938.
226. Preliminary Report on the Geology and Ground-Water Resources of Reeves County, Texas, by D. B. Knowles and J. W. Lang. 92 pp., 1 fig., 2 pls., July 1947 (June 1950, Dec. 1952).
- *227. Refugio County, Texas [Records of Wells]. 46 pp., 5 maps, June 1936.
228. Refugio County and Part of Goliad County, Texas [Records of Wells]. 92 pp., 2 pls., June 1938 (May 1953).
- *231. Roberts County, Texas [Records of Wells]. 65 pp., 2 maps, Nov. 1940.
- *232. Robertson County, Texas [Records of Wells]. 62 pp., map, Feb. 1942.
- *233. Rules and Regulations of the Texas Board of Water Engineers for the Conservation, Protection, Preservation and Distribution of the Underground Water Supply of the State of Texas, Together with Recommended Specifications of the State Board of Health. 16 pp., May 1931.
- *234. Rules, Regulations, and Modes of Procedure, Board of Water Engineers, State of Texas. 83 pp., Aug. 1953.
235. Rules, Regulations, and Modes of Procedure, Board of Water Engineers, State of Texas, 1955 Revision. 126 pp., Sept. 1955 (May 1959, Feb. 1961, June 1962).
236. Reconnaissance of Water Well Pollution and the Occurrence of Shallow Ground Water, Runnels County, Texas, by V. M. Shamburger, Jr. 30 pp., 2 figs., Mar. 1959.
- *237. Rusk County, Texas [Records of Wells]. 87 pp., map, Sept. 1937.
- *238. Rusk County, Texas [Records of Wells, Northwestern Part]. 58 pp., Sept. 1943.
239. Sabine and San Augustine Counties, Texas [Records of Wells]. 43 pp., 2 maps, Apr. 1943.
- *240. A Few Interesting Facts Regarding The Natural Flow From Artesian Well 4 Owned By The San Antonio Public Service Company, San Antonio, Texas, by P. P. Livingston. 10 pp., map, June 1942 (July 1951).
241. Ground-Water Resources of San Jacinto County, Texas, by W. H. Alexander, Jr. 34 pp., 2 figs., 1 pl., Feb. 1947.
- *242. San Patricio County, Texas [Records of Wells]. 64 pp., 2 pls., Oct. 1939.
243. San Saba County, Texas [Records of Wells]. 50 pp., map, Aug. 1939.

- *244. Water Supply for the City of San Saba, Texas, by W. O. George.
10 pp., June 1944.
- *245. Scurry County, Texas [Records of Wells, Snyder Area and Southeastern Part]. 34 pp., 2 figs., Oct. 1946.
- 246. Seepage Losses from Canals in Texas. 103 pp., 6 figs., July 1946.
- 247. Shelby County, Texas [Records of Wells]. 33 pp., map, Mar. 1938.
- 248. Memorandum Report of Preliminary Ground-Water Investigation of Shelby County, Texas, by J. W. Dillard. 9 pp., 4 figs., May 1960.
- *249. Ground-Water Resources at Sherman, Texas, by Penn Livingston. 21 pp., 2 figs., 1 pl., Nov. 1945.
- *250. Investigation of Salt Water Contamination in a Woodbine Well Near Sherman, Grayson County, Texas [Contamination Report No. 10], by J. W. White. 12 pp., 2 figs., Apr. 1961.
- 251. The Silt Load of Texas Streams (Progress Report as of Sept. 30, 1939), compiled by D. W. Bloodgood and A. C. Cook. 102 pp., map, Sept. 1940 (Dec. 1955).
- 252. The Silt Load of Texas Streams--Part II (A Progress Report as of October 1, 1939 to September 30, 1940), compiled by D. W. Bloodgood and A. A. Meador. 24 pp., Dec. 1941.
- *253. The Silt Load of Texas Streams--Part III (A Progress Report as of October 1, 1940 to September 30, 1941), compiled by D. W. Bloodgood and A. A. Meador. 25 pp., Aug. 1942.
- *254. The Silt Load of Texas Streams--Part IV (A Progress Report as of October 1, 1941 to September 30, 1942), compiled by D. W. Bloodgood and A. A. Meador. 44 pp., May 1943.
- *255. The Silt Load of Texas Streams--Part V (A Progress Report as of October 1, 1942 to September 30, 1943), compiled by D. W. Bloodgood and A. A. Meador. 51 pp., 1 fig., map, May 1944.
- 256. The Silt Load of Texas Streams, Part VI (A Progress Report as of October 1, 1943 to September 30, 1944), compiled by D. W. Bloodgood and A. A. Meador. 51 pp., 1 fig., map, Dec. 1945.
- 257. The Silt Load of Texas Streams, Part VII (A Progress Report as of October 1, 1944 to September 30, 1945), compiled by D. W. Bloodgood and A. A. Meador. 62 pp., 1 fig., map, Sept. 1946.
- *258. The Silt Load of Texas Streams, Part VIII (A Progress Report as of October 1, 1945 to September 30, 1946), compiled by D. W. Bloodgood and I. M. Stout. 60 pp., 1 fig., map, July 1947.
- *259. The Silt Load of Texas Streams, Part IX (A Progress Report as of October 1, 1946 to September 30, 1947), compiled by D. W. Bloodgood and Ivan Stout. 58 pp., map, Aug. 1948.
- 260. Progress Report No. 10 of Silt Load of Texas Streams (1947-1948), by D. W. Bloodgood. 63 pp., map, Aug. 1949.
- 261. Progress Report No. 11 of Silt Load of Texas Streams (1948-1949), by D. W. Bloodgood. 63 pp., map, Aug. 1950.
- 262. Progress Report No. 12 of Silt Load of Texas Streams (1949-1950), by D. W. Bloodgood and J. E. Mortensen. 63 pp., map, Aug. 1951.
- 263. Progress Report No. 13 of Silt Load of Texas Streams (1950-1951), by D. W. Bloodgood and J. E. Mortensen. 55 pp., map, Aug. 1952.
- 264. Fourteenth Annual Report of the Silt Load of Texas Streams, 1951-1952, and A Summary of Silt Studies Made in Texas, by D. W. Bloodgood and J. E. Mortensen. 95 pp., map, Aug. 1953.
- 265. Fifteenth Annual Report of the Silt Load of Texas Streams for Water Year, 1952-1953, by D. W. Bloodgood. 61 pp., Oct. 1954.
- 266. Sixteenth Annual Report of the Silt Load of Texas Streams for Water Year, 1953-54, by D. W. Bloodgood. 61 pp., map, Oct. 1955.

267. Smith County, Texas [Records of Wells]. 68 pp., map, Sept. 1937.
268. A Study of the Movement of Moisture in Soils, by W. L. Rockwell. 52 pp., 19 figs., Oct. 1948 (3rd Ed.).
269. A Report on Model Spillway Studies. 26 pp., 11 figs., Sept. 1954.
- *270. Stephens County, Texas [Records of Wells]. 38 pp., map, June 1937.
271. Sterling County, Texas [Records of Wells], by W. O. George and J. C. Dalgarn. 60 pp., 2 maps, May 1942 (June 1950).
272. Surface Water Reservoirs of Texas. 59 pp., Dec. 1956.
- *273. An Inventory of the Surface Water Resources of Texas, by R. L. Lowry. 63 pp., 23 figs., Aug. 1956.
- *274. Swisher County, Texas [Records of Wells], by C. R. Follett. 36 pp., map, Apr. 1938.
275. Swisher County, Texas [Records of Wells]. 92 pp., May 1946.
- *276. Taylor County, Texas [Records of Wells], by H. A. Smith. 38 pp., map, Jan. 1940.
277. Terry County, Texas [Records of Wells], by G. H. Cromack. 29 pp., Nov. 1944.
278. Texas Floods, April-May-June 1957. 118 pp., 18 figs., Oct. 1957.
- *279. Tom Green County, Texas [Records of Wells]. 82 pp., 2 pls., Sept. 1941.
- *280. Results of Pumping Test of Municipal Wells at Tyler, Texas, by W. L. Broadhurst. 32 pp., 3 figs., Oct. 1944.
- *281. Survey of Underground Waters of Texas, by W. N. White and O. E. Meinzer. 34 pp., 3 maps, Feb. 1931.
- *282. Travis County, Texas [Records of Wells]. 102 pp., map, Aug. 1941.
- 282a. The Unit Hydrograph-Its Construction and Uses, by R. C. Garrett and A. H. Woolverton. 21 pp., 11 figs., Aug. 1951.
- *283. Upshur County, Texas [Records of Wells]. 16 pp., map, Dec. 1942.
- *284. Relationship of Ground Water to the Discharge of the Leona River in Uvalde and Zavala Counties, Texas, by Penn Livingston. 81 pp., 4 figs., 2 pls., Apr. 1947.
- *285. Val Verde County, Texas [Records of Wells]. 51 pp., map, Mar. 1940 (Mar. 1950).
- *286. Ground Water Resources in the Vicinity of Vernon, Texas, by C. R. Follett, R. W. Sundstrom, and W. N. White. 46 pp., map, Feb. 1944.
287. Victoria County, Texas [Records of Wells]. 34 pp., map, 1940 (May 1953).
288. Results of Tests on Wells at Waco, Texas, by W. O. George and B. A. Barnes. 22 pp., 2 figs., Aug. 1945 (Dec. 1952).
- *289. Waller County, Texas [Records of Wells], by S. F. Turner and Penn Livingston. 22 pp., map, Apr. 1939.
- *290. Washington County, Texas [Records of Wells]. 47 pp., map, Apr. 1943.
- *291. Report to Water Resources Committee. 104 pp., Apr. 1954.
- *292. Results of Pumping Tests on the City Wells at Waxahachie, Texas. 9 pp., 1 fig., May 1948.
293. Historical Ground-Water Uses by Municipalities for the Years 1955 Through 1959 for Selected Areas in Texas. 51 pp., 9 pls., Jan. 1961.
- *294. Water Use Reported by Municipalities and Industries in Texas. 44 pp., June 1958.
- *296. Wharton County, Texas [Records of Wells]. 54 pp., map, 1940.
- *297. Ground-Water Resources of Wharton County, Texas, by J. R. Barnes. 86 pp., 1 fig., 3 pls., Nov. 1948.
- *298. Williamson County, Texas [Records of Wells], by J. C. Gumley, G. H. Cromack, and C. R. Follett. 95 pp., map, Jan. 1942.

299. Wilson County, Texas [Records of Wells]. 73 pp., map. Aug. 1936.
- *300. Memorandum Report on Water Well Contamination in the Saspamco Area, Wilson County, Texas [Contamination Report No. 3], by V. M. Shamburger, Jr. 15 pp., 1 fig., Sept. 1958.
- *301. Winkler County, Texas [Records of Wells]. 36 pp., map, May 1941.
- *302. Winter Garden District in Dimmit and Zavala Counties and Eastern Maverick County, Texas [Records of Wells]. 125 pp., 3 pls., 1940.
303. Wood County, Texas [Records of Wells], by C. R. Follett. 43 pp., map, June 1942.
- *304. Yoakum County, Texas [Records of Wells], by G. H. Cromack. 30 pp., map, May 1945.
305. Contamination of Surface and Ground Water in Southeast Young County, Texas, by R. T. Littleton. 15 pp., 1 fig., June 1956.

REPORTS OF OTHER AGENCIES

U. S. Geological Survey

State-Federal cooperative projects which have been published as Water-Supply Papers by the U. S. Geological Survey and for which limited quantities are available at this Agency for free distribution.

676. Geology and Ground-Water Resources of Atascosa and Frio Counties, Texas, by J. T. Lonsdale. 90 pp., 4 figs., 8 pls., 1935.
- 773-D. Ground-Water Resources of Kleberg County, Texas, by Penn Livingston and T. W. Bridges. 334 pp., 1 fig., 5 pls., 1936.
778. Geology and Ground-Water Resources of Webb County, Texas, by J. T. Lonsdale and J. R. Day. 104 pp., 6 figs., 12 pls., 1937.
- 889-F. Ground Water in the High Plains of Texas, by W. N. White, W. L. Broadhurst, and J. W. Lang. 49 pp., 7 figs., 5 pls., 1946.
913. Geology and Ground-Water Resources of the Big Spring Area, Texas, by Penn Livingston and R. R. Bennett. 114 pp., 3 figs., 18 pls., 1944.
919. Ground-Water Resources of the El Paso Area, Texas, by A. N. Sayre and Penn Livingston. 196 pp., 11 figs., 16 pls., 1945.
1481. Geology and Ground-Water Resources of the Winter Garden District, Texas, 1948, by S. F. Turner, T. W. Robinson, and W. N. White. 253 pp., 22 figs., 4 pls., 1948.

State Reclamation Department

Next listed are a report of the State Levee and Drainage Commissioner and numerous bulletins that were published by successive State Reclamation Engineers, which are now distributed by the Texas Water Commission. Publications that are priced are so indicated in this list only if distribution stocks are available.

The office of State Reclamation Engineer was created by an act of the Thirty-third Legislature in 1913. An earlier act had created a State Levee and Drainage Board with comparable duties. In 1939, the functions of the State Reclamation Engineer were transferred to the Commissioner of the General Land Office and the office of State Reclamation Engineer was abolished. Under the provisions of Senate Bill 398 of the Fifty-second Legislature in 1962, the Board of Water Engineers [now the Texas Water Commission] is assigned the powers and duties of the State Reclamation Engineer and is responsible for the distribution of these reports.

- * 1. The First Technical Report of the State Levee and Drainage Commissioner on the Reclamation of the Overflowed Lands. 78 pp., 1912.
- * 2. Levee and Drainage Laws of Texas. 61 pp., Dec. 1913.
- * 3. Amendments and Other Levee and Drainage Laws of Texas [To accompany Bulletin No. 2]. 23 pp., Apr. 1914.
- * 4. Levee and Drainage Laws of Texas. 91 pp., June 1915.
- * 5. Tables of Cubic Contents of Levee Embankments. 216 pp., June 1917.
- 5-A. Factors for Obtaining Cubic Yards on Sloping Cross Sections from Cubic Yards on Level Cross Sections--Base Widths and Vertical Heights on Level Cross Sections with Zero Crowns [Supplement to Bulletin No. 5]. 26 pp., Oct. 1918. Price: \$0.35.

- * 6. Tables of Velocity of Water in Open Channels, Derived from Kutter's Formula. 135 pp., Aug. 1917.
- * 7. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Texas, Established by the State Reclamation Department, 1912-1917. 288 pp., Aug. 1917.
- 8. Factors for the Interconversion of Latitudes and Departures in Feet and Differences of Latitude and Longitude in Seconds for Latitudes 25° to 50° [M. and P. Factors]. 57 pp., June 1918 (Sept. 1955).
Price: \$3.00.
- 9. Report of the State Reclamation Engineer for the Two Years ending August 31, 1918. 25 pp., Sept. 1918.
- *10. Levee and Drainage Laws of Texas: Digest of 1919 [with amendments to the drainage laws down to 1925]. 139 pp., Dec. 1919.
- *11. Table for Obtaining Differences of Elevation and Horizontal Distances from Vertical Angles and Stadia Distances [Stadia Table]. 141 pp., June 1921.
- *12. Levee Laws of Texas: Digest of 1925. 73 pp., July 1925.
- 13. Biennial Report of the State Reclamation Engineer, August 31, 1926, with a List of Levee Improvement Districts. 38 pp., Sept. 1926.
- *14. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Texas, Established by the State Reclamation Department, 1916-1926, with a Reprint of Some Earlier Work. 187 pp., Dec. 1926.
- 14-A. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Dallas, Kaufman, and Ellis Counties, Trinity River and White Rock Creek, 1926 [Reprint of part of Bulletin 14]. 42 pp., Nov. 1938.
Price: \$0.35.
- 14-B. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Houston and Leon Counties, Trinity River, 1923-25 [Reprint of part of Bulletin 14]. 23 pp., Nov. 1938. Price: \$0.35.
- 14-C. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Henderson, Anderson, and Freestone Counties, Trinity River and Cedar Creek, 1925 [Reprint of part of Bulletin 14]. 29 pp., Oct. 1938.
Price: \$0.35.
- 14-D. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Matagorda and Wharton Counties, Lower Colorado River, 1924 [Reprint of part of Bulletin 14]. 47 pp., June 1938. Price: \$0.35.
- 14-E. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Hidalgo, Willacy, and Cameron Counties, Lower Rio Grande and Arroyo Colorado, 1924-25 [Reprint of part of Bulletin 14]. 27 pp., Oct. 1938. Price: \$0.35.
- 14-F. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Delta, Hunt, and Hopkins Counties, South and Middle Sulphur Rivers, 1925 [Reprint of part of Bulletin 14]. 9 pp., Nov. 1938. Price: \$0.15.
- 14-G. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Jim Wells, Nueces, and San Patricio Counties, Nueces River, 1925-26 [Reprint of part of Bulletin 14]. 23 pp., Dec. 1938. Price: \$0.35.
- 14-H. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Falls, Burleson, Milam, Brazos, Washington, Grimes, and Waller Counties, Brazos River, Little River, and Big Creek [Reprint of part of Bulletin 14]. 23 pp., Jan. 1939. Price: \$0.35.
- 15. Forms for Use in Creating a Levee District Under the Act of 1925, Based on Court Records. 60 pp., June 1928.
- *16. Biennial Report of the State Reclamation Engineer, August 31, 1928, with a List of Levee Improvement Districts. 49 pp., Sept. 1928.

- *17. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Texas, Established by the State Reclamation Department, 1925-1929. 133 pp., Apr. 1929.
- 17-A. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Navarro, Freestone, Kaufman, Henderson, and Anderson Counties: Chambers and Richland Creeks; Brushy, Kings, and Cedar Creeks; and Trinity River, 1925-29 [Reprint of part of Bulletin 17]. 33 pp., Oct. 1945 (Sept. 1955). Price: \$0.35.
- 17-B. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Travis, Fannin, and Wise Counties, Colorado River, North Sulphur River, and Denton Creek, 1925-29 [Reprint of part of Bulletin 17]. 16 pp., Sept. 1945. Price: \$0.35.
- 17-C. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Galveston County (Mainland), 1925-29 [Reprint of part of Bulletin 17]. 46 pp., Oct. 1945 (Sept. 1955). Price: \$0.35.
- 17-D. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Starr and Cameron Counties, Rio Grande River and Arroyo Colorado, 1925-29 [Reprint of part of Bulletin 17]. 20 pp., Oct. 1945 (July 1957). Price: \$0.35.
- *18. A Study of Rainfall in Texas: Charts and Diagrams. 170 pp., Aug. 1929.
- *19. Biennial Report of the State Reclamation Engineer, August 31, 1930, with Lists of Levee Districts and Drainage Districts. 48 pp., Sept. 1930.
- *20. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Texas, Established by the State Reclamation Department, 1929-1931, with Some Co-Operative Work. 151 pp., Aug. 1931.
21. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Texas, Established by the State Reclamation Department, 1931-1932, with Some Earlier Work. 87 pp., Aug. 1932. Price: \$1.00.
22. Biennial Report of the State Reclamation Engineer, August 31, 1932, with Lists of Levee Districts and Drainage Districts. 47 pp., Sept. 1932.
23. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Texas, Established by the State Reclamation Department, 1932-1934. 90 pp., Oct. 1934. Price: \$1.00.
24. Biennial Report of the State Reclamation Engineer, August 31, 1934, with Lists of Levee Districts and Drainage Districts. 44 pp., map, Oct. 1934.
25. Excessive Rainfall in Texas [Revision of Bulletin 18]. 157 pp., 115 figs., Nov. 1934. Price: \$2.00.
- *26. Texas Prison System Properties [Report of a complete survey of the Texas Prison System giving sketches and field notes for each farm]. 51 pp., 12 maps, Feb. 1935.
27. Practical Aspects of Flood Control and Reclamation of Overflowed Lands. 87 pp., 38 figs., Dec. 1935. Price: \$1.00.
28. Biennial Report of the State Reclamation Engineer, August 31, 1936, with Lists of Levee Districts and Drainage Districts. 68 pp., map, Oct. 1936.
- 29-A. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Hidalgo and Willacy Counties, 1935-36. 52 pp., Feb. 1937 (Sept. 1955). Price: \$0.35.
- *29-B. Latitude, Longitude, and Sea Level Elevation in Texas, Lampasas County, Sulphur and Burleson Creeks, 1936-38. 3 pp., July 1937.

- *30-A. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Smith, Cherokee, and Nacogdoches Counties, Mud Creek and Angelina River, 1934-37. 45 pp., June 1938.
- 30-B. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Nueces County, Corpus Christi and Vicinity, 1937-38. 15 pp., July 1938. Price: \$0.25.
- *30-C. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Navarro County, Richland Creek, 1938. 17 pp., map, Aug. 1938.
- 31. Biennial Report of the State Reclamation Engineer, August 31, 1938. 38 pp., map, Dec. 1938.
- *32-A. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Dallas County, Ten Mile Creek; Coryell County, Leon River; Eastland County, South Fork Leon River; Tom Green County, North Concho River; Grimes County, Caney Creek, 1935-1937. 20 pp., Mar. 1939 (Sept. 1955).
- 32-B. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Harris County, Houston Ship Channel and Industrial Area, 1938-39. 46 pp., map, May 1945 (Sept. 1955). Price: \$0.35.
- [33-38: We have no record of bulletins with these numbers.]
- 39-A. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Fort Bend and Brazoria Counties, Brazos River, 1938. 15 pp., Oct. 1939 (Sept. 1955). Price: \$0.25.
- 39-B. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Denton, Tarrant and Dallas Counties, Denton Creek, 1938. 8 pp., Dec. 1939 (July 1957). Price: \$0.15.
- 40-A. Latitude, Longitude, and Sea Level Elevation of Bench Marks in the City of Lufkin, Angelina County, 1939. 17 pp., Feb. 1940 (Sept. 1955). Price: \$0.35.
- 40-B. Latitude, Longitude, and Sea Level Elevation of Bench Marks in Montgomery, Walker, Grimes, Waller, San Jacinto, and Liberty Counties, San Jacinto River Conservation and Reclamation District, 1939. 27 pp., Mar. 1940 (Sept. 1955). Price: \$0.35.
- *-- Levee Report No. 1, Levee Improvement Districts of Texas. 60 pp., 4 maps, Jan. 1937.
- *-- Report of Colorado River Flood of July-August, 1938, Submitted to Senate Investigating Committee, 45th Legislature. 12 pp., 3 charts, Sept. 1938.
- *-- An Outline of Procedure for Running Third Order Transit Traverse and Computations of Geodetic Positions for Same as Followed by the Texas Reclamation Department. 1937.
- An Outline of the Procedure for Running Third Order Transit Traverse and Computations of Geodetic Positions for Same and Computed into Plane Coordinates as Followed by the General Land Office. 14 pp., map, May 1940 (Mar. 1946). Price: \$0.25.

INDEX OF PUBLICATIONS

This index is designed as an aid in determining which reports relate to particular subjects and areas. Before ordering reports, please refer to the preceding lists for complete titles and to determine which reports may be priced or out of print.

Each report is referenced only once in this index, under the major topic or purpose of the report. Abbreviations used are as follows: B, Bulletin; C, Circular; MR, Memorandum Report; U, Unnumbered publication (numbers assigned for indexing purposes); W, Water-Supply Paper of the U. S. Geological Survey.

Ground Water

Counties

Included herein are reports of local areas within one or more counties, as well as reports of county areas. Additional information for many of these counties may be found in the reports of larger districts and areas which are listed in the succeeding section of this index. For convenience, counties that are included in the larger districts and areas are referenced to them by footnotes.

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|------------------------------------|--------------------------------|-------------------------------------|
| Anderson: U 2. | Callahan: U 29. | Dallam ¹ : B 5404; U 64. |
| Andrews ¹ : U 3, 4. | Cameron ³ : B 5403, | Dallas: U 65, 66. |
| Aransas: B 5703; U 5. | 6008. | Dawson ¹ : U 67. |
| Armstrong ¹ : U 6. | Camp: U 30. | Deaf Smith ¹ : B 5305; |
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- 1/ See High Plains Area.
2/ See Houston-Galveston-Texas City Area.
3/ See Lower Rio Grande Valley Area.
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