

TEXAS BOARD OF WATER ENGINEERS

R. M. Dixon, Chairman
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BULLETIN 5703

RECORDS OF WATER LEVELS IN ARANSAS AND
SAN PATRICIO COUNTIES, TEXAS

1938 through December 1956

Compiled by

B. W. Swartz, Engineering Aid

From records of the Texas Board of Water Engineers
and the
Geological Survey, United States Department of the Interior

April 1957

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INTRODUCTION

One of the functions of the Texas Board of Water Engineers is to make, independently or in cooperation with other state and federal agencies, investigations of the source, amount, and quality of ground-water supplies. Periodic measurements of water levels are made in the principal ground-water reservoirs of the State to evaluate effects of ground water development in relation to the available supply. This work is done through an observation well program financed cooperatively by the United States Geological Survey and the Texas Board of Water Engineers.

This bulletin contains measurements of the depth to water in feet below land-surface datum in 20 wells in Aransas County and 46 wells in San Patricio County. It is one of a series of publications by the Texas Board of Water Engineers which contains measurements of the water levels in selected observation wells made as a part of the cooperative program of ground-water investigations throughout the State. The records cover the period from 1938 through 1956 in both counties. No measurements were made in 1943-44, 1946-48 or 1950.

The accompanying maps show the locations of the observation wells. The well numbers on the map correspond to those in the table of measurements. Hydrographs showing the fluctuation of the water levels in selected wells and the annual precipitation at the Weather Bureau station at Aransas Pass are given on pages 10 and 24. Records of water wells, geologic data, and discussion of ground-water conditions may be found in the publications listed in the bibliography.

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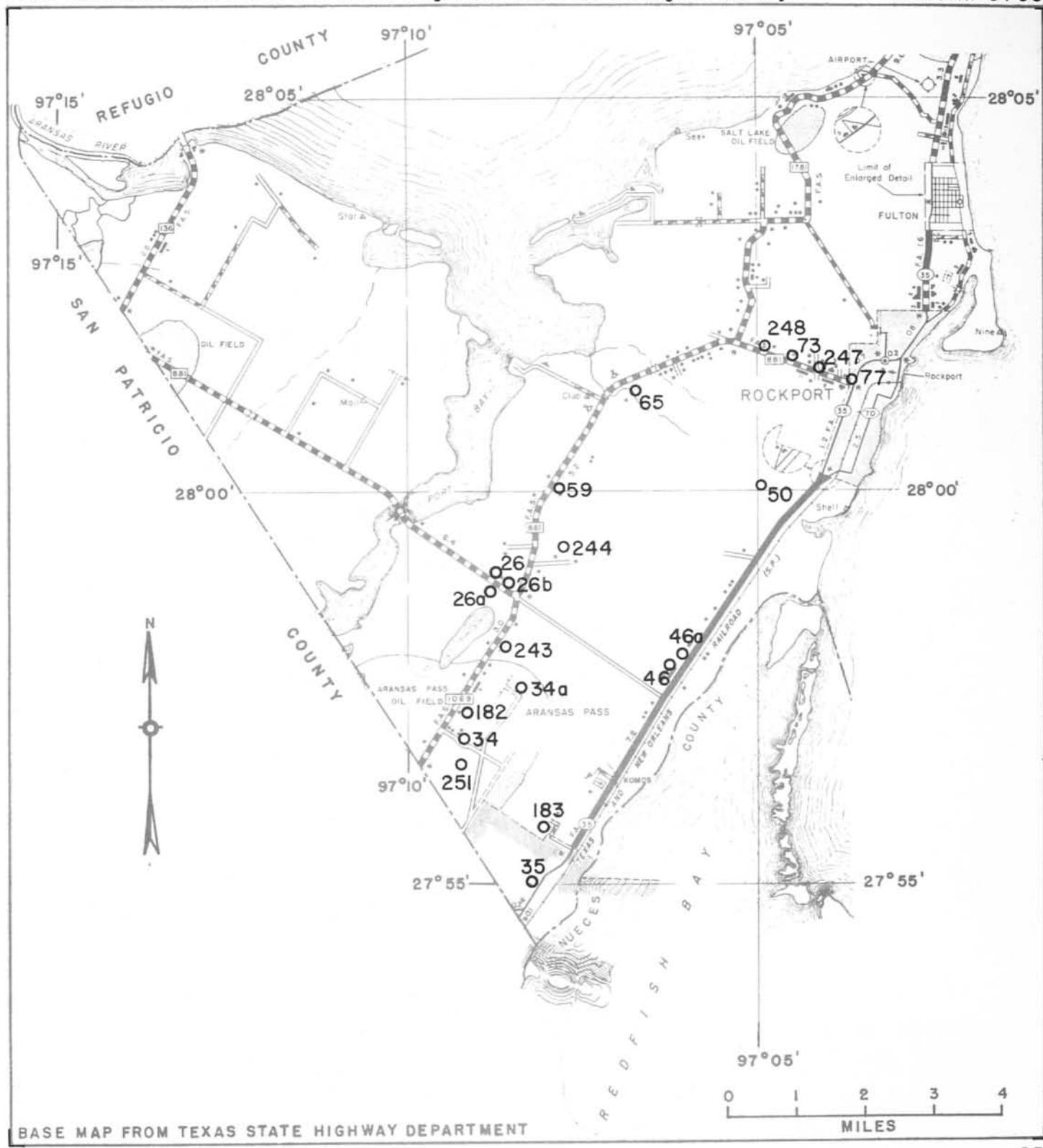
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* Out of print. Copies available for references in some public libraries and at the Austin offices of the Texas Board of Water Engineers and the U. S. Geological Survey.

A R A N S A S C O U N T Y



BASE MAP FROM TEXAS STATE HIGHWAY DEPARTMENT

FEB. 1957

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OBSERVATION WELLS IN ARANSAS COUNTY, TEXAS
DECEMBER 1956

WATER-LEVEL MEASUREMENTS IN ARANSAS COUNTY, TEXAS

26. B. Grant. Lat. $27^{\circ}58'$, long. $97^{\circ}18'$. Diameter 6 inches, depth 100 feet. Land-surface datum is 9.72 feet above msl.

Date	Water Level	Date	Water Level	Date	Water Level
May 10, 1939	20.5	June 26, 1942	15.08	Nov. 16 1949	13.43
Dec. 28, 1940	15.81	Dec. 29, 1945	16.76		
May 16, 1941	15.36	Nov. 20, 1947	14.86		

26a. B. Grant. Lat. $27^{\circ}58'$, long. $97^{\circ}18'$. Diameter 6 inches. Land-surface datum is 11.63 feet above msl.

Dec. 28, 1940	17.07	Nov. 16, 1949	11.62	Dec. 14, 1954	18.87
May 16, 1941	16.41	Nov. 15, 1950	17.96	Dec. 6, 1955	21.80
May 30	16.24	Nov. 20, 1951	15.83	Dec. 5, 1956	24.36
Jan. 22, 1942	16.94	Dec. 8, 1953	17.18		

26b. B. Grant. Lat. $27^{\circ}58'$, long. $97^{\circ}18'$. Diameter 6 inches. Land-surface datum is 9.32 feet above msl.

Dec. 28, 1940	18.72	Nov. 15, 1950	14.79	Dec. 6, 1955	18.09
Dec. 29, 1945	13.10	Nov. 20	15.19	Dec. 5, 1956	19.81
Nov. 20, 1947	13.94	Dec. 8, 1953	15.44		
Nov. 16, 1949	12.63	Dec. 14, 1954	16.93		

34. C. M. Vaughan. Lat. $27^{\circ}56'$, long. $97^{\circ}19'$. Land-surface datum is 10.43 feet above msl.

Dec. 5, 1940	18.30	Dec. 29, 1945	18.65	Dec. 14, 1954	12.21
May 16, 1941	15.68	Nov. 20, 1947	9.64	Dec. 6, 1955	13.32
May 30	15.90	Nov. 15, 1950	12.82	Dec. 5, 1956	13.90
Sept. 11	16.39	Nov. 20, 1951	12.03		
Jan. 20, 1942	12.90	Dec. 8, 1953	11.27		

34a. C. M. Vaughan. Lat. $27^{\circ}56'$, long. $97^{\circ}19'$. Land-surface datum is 12.68 feet above msl.

Mar. 7, 1939	18.22	May 16, 1941	15.92	Jan. 20, 1942	13.77
Mar. 20, 1940	17.27	Sept. 11	15.29	June 27	14.37

WATER-LEVEL MEASUREMENTS IN ARANSAS COUNTY--CONTINUED

35. W. S. Kirby. Lat. $27^{\circ}54'$, long. $97^{\circ}08'$. Diameter 4 inches, depth 39 feet. Land-surface datum is 10.18 feet above msl.

Date	Water Level	Date	Water Level	Date	Water Level
Apr. 19, 1939	15.60	Jan. 20, 1942	7.15	Nov. 20, 1951	7.24
Mar. 19, 1940	9.42	June 26	7.64	Dec. 8, 1953	6.81
Aug. 5	10.39	Dec. 28, 1945	5.52	Dec. 14, 1954	8.23
Dec. 7	8.03	Nov. 21, 1949	6.86	Dec. 5, 1955	6.86
May 16, 1941	5.43	Nov. 16, 1949	6.10	Dec. 5, 1956	9.32
Sept. 11	8.32	Nov. 15, 1950	8.71		

46. R. R. Barker. Lat. $27^{\circ}58'$, long. $97^{\circ}15'$. Diameter 4 inches, depth 52 feet. Land-surface datum is 11.78 feet above msl.

Apr. 19, 1939	9.3	June 1, 1941	7.84	Dec. 28, 1945	6.80
Mar. 19, 1940	8.72	Sept. 11	9.02	Nov. 20, 1947	7.92
Dec. 8	8.31	Jan. 22, 1942	7.89		
May 17, 1941	7.87	June 26	8.68		

46a. R. R. Barker. Lat. $27^{\circ}58'$, long. $97^{\circ}15'$.

Nov. 20, 1951	4.07	Dec. 14, 1954	4.25	Dec. 5, 1956	6.13
Dec. 8, 1953	2.80	Dec. 5, 1955	4.71		

50. Ford Jackson. Lat. $28^{\circ}00'$, long. $97^{\circ}04'$. Diameter 4 inches, depth 50 feet. Land-surface datum is 10.24 feet above msl.

Apr. 19, 1939	13.70	Sept. 11, 1941	6.16	Nov. 15, 1950	5.63
Mar. 20, 1940	5.56	Jan. 20, 1942	4.45	Nov. 20, 1951	4.20
May 6	6.70	June 26	6.62	Dec. 8, 1953	2.73
Dec. 5	6.60	Dec. 28, 1945	3.07	Dec. 14, 1954	4.84
May 17, 1941	2.56	Nov. 21, 1947	6.25	Dec. 5, 1955	3.10
June 1	2.29	Nov. 16, 1949	1.83	Dec. 6, 1956	5.23

59. E. F. Barker. Lat. $28^{\circ}00'$, long. $97^{\circ}17'$. Diameter 3 inches, depth 97 feet. Land-surface datum is 11.41 feet above msl.

May 16, 1939	11.00	May 30, 1941	8.80	Nov. 20, 1947	7.72
Mar. 20, 1940	9.95	Sept. 10	9.34	Nov. 16, 1949	8.38
Aug. 6	9.90	Jan. 23, 1942	8.85	Nov. 15, 1950	9.82
Nov. 20	9.34	June 26	8.80		
May 16, 1941	8.90	Dec. 28, 1945	8.09		

WATER-LEVEL MEASUREMENTS IN ARANSAS COUNTY--CONTINUED

65. Ben Dupnick. Lat. $28^{\circ}01'$, long. $97^{\circ}16'$. Diameter 4 inches, depth 42 feet. Land-surface datum is 6.48 feet above msl.

Date	Water Level	Date	Water Level	Date	Water Level
May 17, 1939	5.70	Nov. 20, 1940	9.48	Sept. 20, 1941	a26.79
Mar. 20, 1940	7.79	May 16, 1941	6.62	Jan. 22, 1942	18.76
Aug. 6	9.51	May 30	9.46	June 25	18.58

73. G. M. Broach. Lat. $28^{\circ}01'$, long. $97^{\circ}13'$. Land-surface datum is 16.72 feet above msl.

Mar. 23, 1940	4.09	May 16, 1941	2.95	Jan. 22, 1942	4.31
Aug. 6	5.99	May 30	2.71	June 25	3.90
Nov. 20	6.62	Sept. 10	3.36		

77. H. G. Smith. Lat. $28^{\circ}01'$, long. $97^{\circ}03'$. Diameter 4 inches, depth 58 feet. Land-surface datum is 10.36 feet above msl.

June 19, 1939	16.30	Sept. 10, 1941	6.87	Nov. 15, 1950	7.23
Mar. 19, 1940	5.83	Jan. 20, 1942	5.14	Nov. 20, 1951	4.13
Aug. 6	7.80	June 25	6.02	Dec. 8, 1953	3.0
Nov. 20	8.40	Dec. 29, 1945	3.04	Dec. 14, 1954	4.74
May 16, 1941	3.80	Nov. 20, 1947	6.70	Dec. 5, 1955	6.32
May 30	2.60	Nov. 16, 1949	2.69	Dec. 5, 1956	9.50

182. Spriegel and Richardson. Lat. $27^{\circ}57'$, long. $97^{\circ}18'$. Diameter 6 inches, depth 172 feet.

Nov. 19, 1940	17.90	Jan. 20, 1942	15.55	Dec. 8, 1953	12.53
Jan. 8, 1941	17.45	June 26	15.74	Dec. 14, 1954	14.03
Jan. 30	17.90	Nov. 15, 1950	11.74		
Sept. 11	16.49	Nov. 20, 1951	12.11		

183. Spriegel and Richardson. Lat. $27^{\circ}55'$, long. $97^{\circ}18'$. Diameter 10 inches, depth 60 feet. Land-surface datum is 10.27 feet above msl.

Nov. 21, 1940	5.69	Jan. 22, 1942	4.36	Dec. 8, 1953	5.24
Jan. 8, 1941	5.58	Dec. 29, 1945	1.93	Dec. 14, 1954	6.73
Jan. 30	5.62	Nov. 21, 1947	2.20	Dec. 6, 1955	7.29
May 18	3.06	Nov. 16, 1949	0.70	Dec. 5, 1956	9.24
June 1	2.97	Nov. 15, 1950	4.34		
Sept. 11	6.12	Nov. 20, 1951	2.16		

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WATER-LEVEL MEASUREMENTS IN ARANSAS COUNTY--CONTINUED

243. T. O. McCullough. Lat. $27^{\circ}57'$, long. $97^{\circ}18'$. Diameter 4 inches.
Land-surface datum is 9.31 feet above msl.

Date	Water Level	Date	Water Level	Date	Water Level
Mar. 27, 1940	13.82	May 17, 1941	14.03	June 26, 1942	14.15
Aug. 6	15.02	May 30	13.91		
Dec.	14.99	Jan. 22, 1942	13.83		

244. Willie Owens. Lat. $27^{\circ}59'$, long. $97^{\circ}17'$. Diameter 4 inches, depth 68 feet. Land-surface datum is 9.05 feet above msl.

Mar. 27, 1940	11.41	Jan. 24, 1942	10.71	Nov. 20, 1951	10.84
Aug. 6	12.82	June 26	10.69	Dec. 8, 1953	10.11
Nov. 20	12.58	Dec. 29, 1945	8.62	Dec. 14, 1954	11.56
May 16, 1941	8.66	Nov. 20, 1947	10.26	Dec. 5, 1955	11.69
May 30	8.42	Nov. 15, 1950	10.77	Dec. 5, 1956	13.86

247. G. M. Broach. Lat. $28^{\circ}01'$, long. $97^{\circ}04'$. Diameter 4 inches, depth 29 feet. Land-surface datum is 16.59 feet above msl.

Mar. 23, 1940	5.20	Jan. 22, 1942	4.62	Nov. 20, 1951	4.15
Aug. 6	8.62	Dec. 28, 1945	3.89	Dec. 8, 1953	5.10
Nov. 20	6.85	Nov. 20, 1947	5.49	Dec. 14, 1954	13.14
May 16, 1941	3.01	Nov. 16, 1949	2.59	Dec. 5, 1955	8.21
May 30	5.16	Nov. 15, 1950	6.35	Dec. 5, 1956	12.52

248. Jack Rogers. Lat. $28^{\circ}01'$, long. $97^{\circ}13'$. Diameter 4 inches.
Land-surface datum is 24.27 feet above msl.

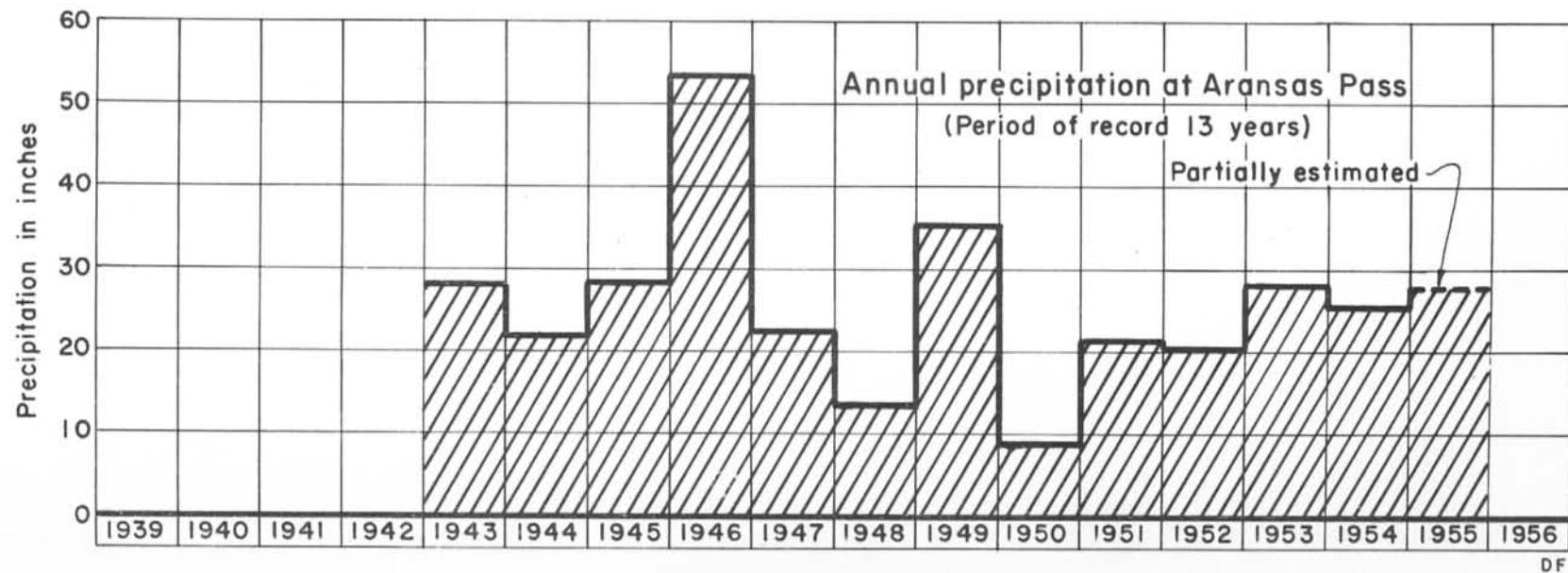
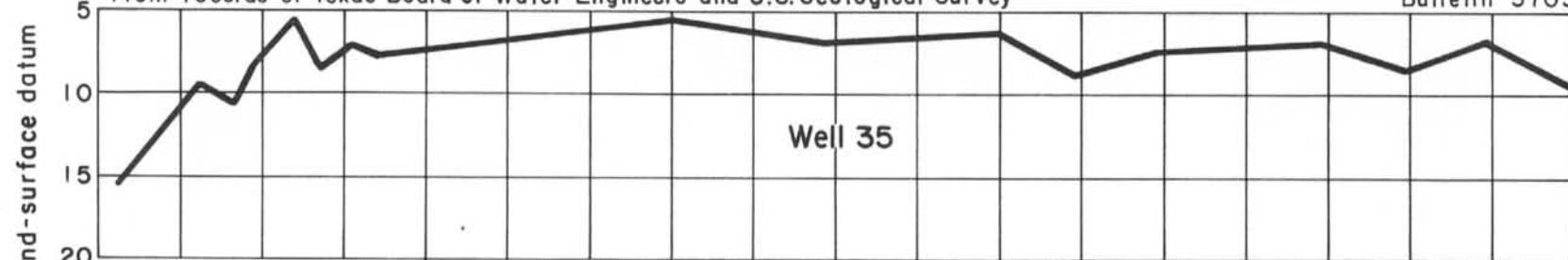
Mar. 23, 1940	11.30	May 30, 1941	13.71	Dec. 28, 1945	7.78
Aug. 5	16.89	Sept. 10	12.32	Nov. 20, 1947	5.79
Nov. 20	12.42	Jan. 22, 1942	10.19	Nov. 16, 1949	7.57
May 16, 1941	10.00	June 25	9.91		

251. Tom Graham. Lat. $27^{\circ}56'$, long. $97^{\circ}15'$. Diameter 8 inches.
Land-surface datum is 16.27 feet above msl.

Dec. 5, 1940	23.45	May 31, 1941	17.83	June 27, 1942	17.40
Feb. 28, 1941	21.00	Oct. 20	16.61		
May 16	18.68	Jan. 20, 1942	17.31		

From records of Texas Board of Water Engineers and U.S. Geological Survey

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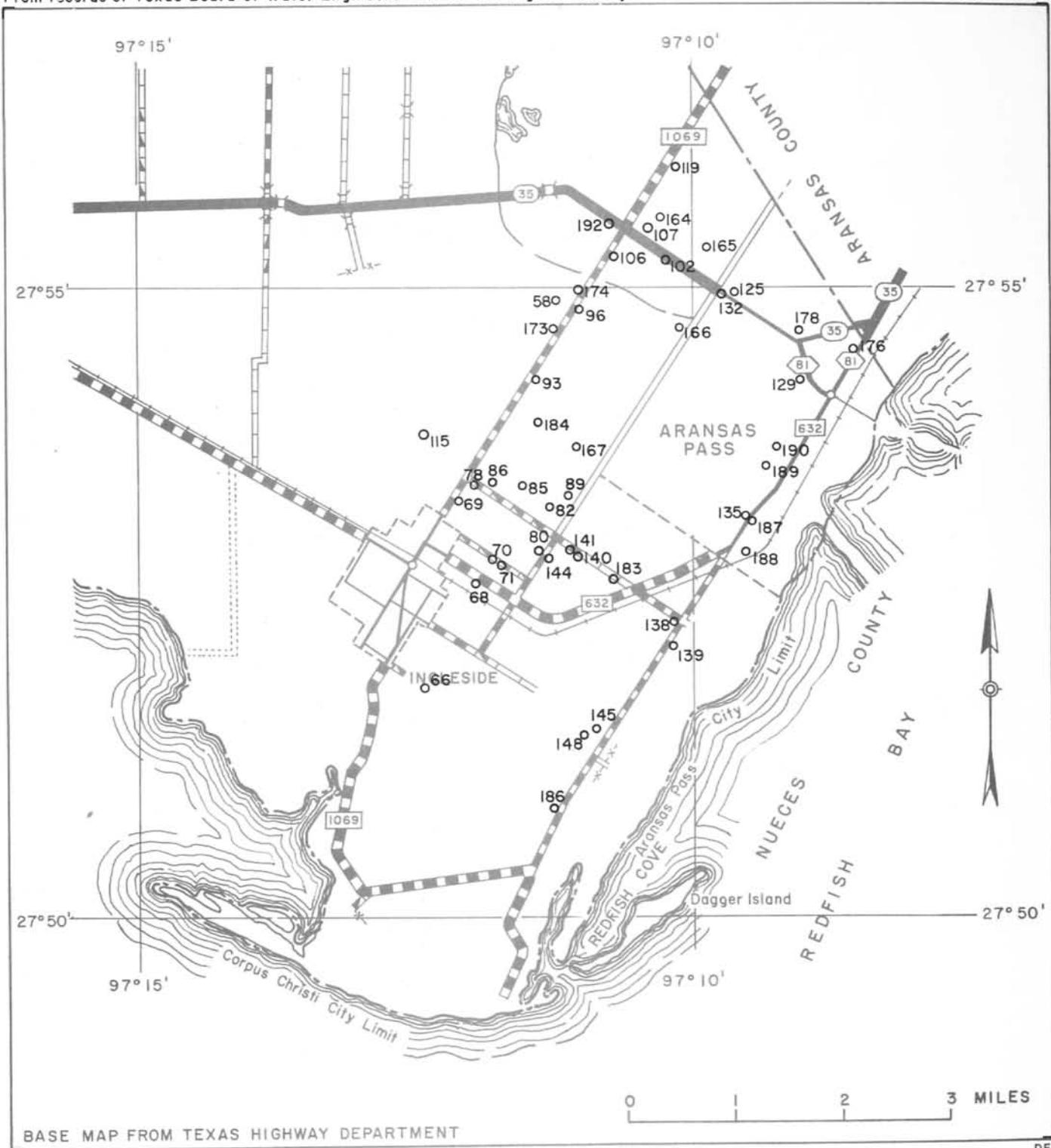


HYDROGRAPHS OF WATER LEVELS IN WELLS 35 AND 77 IN ARANSAS COUNTY,
AND THE ANNUAL PRECIPITATION AT ARANSAS PASS, TEXAS

S A N P A T R I C I O C O U N T Y

From records of Texas Board of Water Engineers and U.S. Geological Survey

Bulletin 5703



BASE MAP FROM TEXAS HIGHWAY DEPARTMENT

FEB. 1957

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OBSERVATION WELLS IN SAN PATRICIO COUNTY, TEXAS
DECEMBER 1956

WATER-LEVEL MEASUREMENTS IN SAN PATRICIO COUNTY, TEXAS

58. J. D. Mills. Lat. $27^{\circ}54'$, long. $97^{\circ}21'$. Diameter 4 inches, depth 98 feet. Land-surface datum is 8.37 feet above msl.

Date	Water Level	Date	Water Level	Date	Water Level
Sept. 6, 1938	10.50	Aug. 6, 1940	24.43	Jan. 23, 1942	15.11
Apr. 4, 1939	20.02	Nov. 19	17.15	Nov. 21, 1947	9.15
May 2	27.01	May 16, 1941	15.17	Nov. 15, 1949	1.42
Dec. 12	23.70	May 31	15.94		
Mar. 18, 1940	21.60	Sept. 12	16.28		

66. S. A. Tiner. Lat. $27^{\circ}51'$, long. $97^{\circ}22'$. Diameter 4 inches, depth 92 feet. Land-surface datum is 13.32 feet above msl.

Sept. 13, 1938	22.00	May 31, 1941	31.10	June 26, 1942	32.90
Mar. 20, 1940	29.07	Sept. 11	34.14	Nov. 27, 1945	31.82
Aug. 5	33.51	Sept. 12	33.84	Dec. 26	18.57
May 17, 1941	31.18	Jan. 21, 1942	32.38	Nov. 21, 1947	17.42

68. F. N. Edwards. Lat. $27^{\circ}52'$, long. $97^{\circ}21'$. Diameter 4 inches, depth 80 feet. Land-surface datum is 14.27 feet above msl.

June 22, 1938	17.38	Dec. 6, 1940	19.20	Nov. 7, 1945	19.80
Dec. 14, 1939	25.59	Feb. 28, 1941	18.67	Dec. 27	17.15
Jan. 4, 1940	24.89	May 17	20.50	Nov. 21, 1947	16.77
Mar. 15	18.35	May 31	17.90		
Aug. 5	20.71	Jan. 21, 1942	18.23		

69. O. V. Coopender. Lat. $27^{\circ}53'$, long. $97^{\circ}22'$. Diameter 6 inches, depth 60 feet. Land-surface datum is 11.65 feet above msl.

June 22, 1938	21.63	Jan. 29, 1941	24.43	Nov. 7, 1945	18.61
Dec. 11, 1939	24.60	Feb. 27	25.18	Nov. 21, 1947	14.18
Jan. 4, 1940	24.70	May 16	24.79	Nov. 15, 1949	15.68
Jan. 8	25.90	May 31	24.90	Nov. 14, 1950	18.62
Mar. 15	23.70	Sept. 12	28.49	Nov. 21, 1951	15.43
Aug. 5	25.83	Jan. 20, 1942	26.27		
Nov. 19	26.06	June 26	25.02		

WATER-LEVEL MEASUREMENTS IN SAN PATRICIO COUNTY--CONTINUED

70. Mrs. H. H. Keys. Lat. $27^{\circ}52'$, long. $97^{\circ}21'$. Diameter 4 inches, depth 46 feet. Land-surface datum is 15.60 feet above msl.

Date	Water Level	Date	Water Level	Date	Water Level
June 22, 1938	17.45	Jan. 21, 1942	19.12	Nov. 14, 1950	20.83
Mar. 15, 1940	18.95	June 27	15.05	Nov. 21, 1951	19.8
Aug. 5	20.24	Nov. 7, 1945	17.06	Dec. 8, 1953	20.3
Feb. 27, 1941	19.52	Dec. 27	16.80	Dec. 13, 1954	20.61
May 17	18.65	Nov. 27, 1947	16.39	Dec. 5, 1955	19.57
May 31	18.39	Nov. 15, 1949	16.52		

71. C. N. McAlister. Lat. $27^{\circ}52'$, long. $97^{\circ}21'$. Diameter 4 inches, depth 43 feet. Land-surface datum is 16.43 feet above msl.

June 23, 1938	17.92	Feb. 29, 1941	20.00	Jan. 21, 1942	19.51
Mar. 15, 1940	19.20	May 18	18.70	June 27	19.47
Nov. 17	21.02	May 31	18.70	Nov. 7, 1945	17.50
Jan. 15, 1941	20.00	Sept. 12	20.13	Dec. 26	17.02

78. T. S. Norman. Lat. $27^{\circ}53'$, long. $97^{\circ}21'$. Diameter 4 inches, depth 84 feet. Land-surface datum is 11.67 feet above msl.

June 23, 1938	17.10	Sept. 12, 1941	24.84	Nov. 20, 1951	17.36
Dec. 14, 1939	22.80	Jan. 20, 1942	22.28	Dec. 7, 1953	18.13
Mar. 15, 1940	19.74	June 26	20.92	Dec. 13, 1954	18.00
Aug. 6	21.04	Dec. 27, 1945	16.06	Dec. 5, 1955	18.70
Nov. 17	20.65	Nov. 15, 1949	13.05	Dec. 4, 1956	16.84
Feb. 28, 1941	21.33	Nov. 14, 1950	16.00		

80. Lewis Caldwell. Lat. $27^{\circ}52'$, long. $97^{\circ}11'$. Diameter 4 inches, depth 90 feet. Land-surface datum is 15.44 feet above msl.

June 22, 1938	14.94	May 31, 1941	15.38	Nov. 14, 1950	15.81
Dec. 14, 1939	16.60	Sept. 12	16.96	Nov. 21, 1951	15.21
Jan. 4, 1940	16.50	Jan. 20, 1942	16.52	Dec. 8, 1953	15.61
Mar. 15	16.82	June 26	16.59	Dec. 13, 1954	16.78
Aug. 6	17.59	Nov. 7, 1945	14.05	Dec. 5, 1955	15.99
Dec. 3	17.52	Dec. 26, 1945	13.97	Dec. 4, 1956	18.19
Feb. 27, 1941	16.98	Nov. 21, 1947	13.46		
May 16	15.46	Nov. 15, 1949	12.76		

WATER-LEVEL MEASUREMENTS IN SAN PATRICIO COUNTY--CONTINUED

82. Mrs. Edith Armstrong. Lat. $27^{\circ}53'$, long. $97^{\circ}21'$. Diameter 4 inches, depth 40 feet. Land-surface datum is 14.34 feet above msl.

Date	Water Level	Date	Water Level	Date	Water Level
June 26, 1938	12.63	May 31, 1941	12.62	Nov. 14, 1950	14.23
Dec. 14, 1939	16.23	Jan. 20, 1942	15.22	Nov. 20, 1951	14.0
Mar. 15, 1940	15.32	June 27	14.62	Dec. 7, 1953	15.71
Aug. 5	16.08	Nov. 7, 1945	10.91	Dec. 13, 1954	15.44
Nov. 16	16.37	Dec. 28	11.14	Dec. 5, 1955	14.58
Feb. 28, 1941	15.86	Nov. 22, 1947	11.61	Dec. 4, 1956	18.11
May 16	12.74	Nov. 15, 1949	10.45		

85. W. H. Bryan. Lat. $27^{\circ}53'$, long. $97^{\circ}11'$. Diameter 4 inches, depth 35 feet. Land-surface datum is 15.73 feet above msl.

June 26, 1938	16.03	May 31, 1941	17.39	Nov. 15, 1949	14.10
Dec. 12, 1939	21.23	Sept. 11	18.57	Nov. 14, 1950	16.56
May 15, 1940	17.54	Jan. 21, 1942	18.91	Nov. 20, 1951	17.20
Aug. 5	18.27	June 26	18.69	Dec. 7, 1953	16.54
Nov. 16	19.28	Nov. 7, 1945	16.15	Dec. 13, 1955	16.18
Feb. 28, 1941	16.57	Dec. 27	16.01	Dec. 4, 1956	18.38
May 16	18.44	Nov. 22, 1947	14.91		

86. T. H. Bennight. Lat. $27^{\circ}53'$, long. $97^{\circ}21'$. Diameter 4 inches, depth 52 feet. Land-surface datum is 13.86 feet above msl.

June 24, 1938	16.52	May 16, 1941	16.94	Nov. 22, 1947	15.73
Dec. 14, 1939	17.40	May 31	16.67	Nov. 15, 1949	15.35
Mar. 15, 1940	17.08	Sept. 16	17.25	Nov. 14, 1950	16.37
Aug. 6	17.04	Jan. 21, 1942	17.03	Nov. 20, 1951	15.84
Nov. 16	17.20	June 27	14.97	Dec. 7, 1953	15.98
Dec. 4	17.24	Nov. 7, 1945	16.08	Dec. 13, 1954	16.26
Feb. 28, 1941	16.40	Dec. 28	16.50		

89. W. L. Muckleroy. Lat. $27^{\circ}53'$, long. $97^{\circ}21'$. Diameter 3 inches, depth 38 feet. Land-surface datum is 11.94 feet above msl.

June 26, 1938	11.53	May 31, 1941	11.97	Nov. 14, 1950	12.89
Dec. 14, 1939	14.57	Sept. 11	14.72	Nov. 20, 1951	12.55
Jan. 4, 1940	14.30	Jan. 21, 1942	14.40	Dec. 8, 1953	11.48
Mar. 16	14.60	June 27	14.31	Dec. 13, 1954	13.76
May 8	15.17	Nov. 7, 1945	8.28	Dec. 5, 1955	12.60
Nov. 17	15.27	Dec. 27	8.02	Dec. 6, 1956	14.77
Feb. 28, 1941	14.95	Nov. 21, 1947	8.11		
May 16	9.84	Nov. 15, 1949	9.00		

WATER-LEVEL MEASUREMENTS IN SAN PATRICIO COUNTY--CONTINUED

93. B. F. Lockhart. Lat. $27^{\circ}54'$, long. $97^{\circ}21'$. Diameter 4 inches, depth 90 feet. Land-surface datum is 12.35 feet above msl.

Date	Water Level	Date	Water Level	Date	Water Level
Sept. 7, 1938	7.1	May 16, 1941	19.28	Nov. 15, 1949	17.12
Dec. 17, 1939	11.6	May 31	18.42	Nov. 20, 1951	16.70
Mar. 16, 1940	18.53	Sept. 12	15.46	Dec. 9, 1953	16.74
Aug. 5	19.30	Jan. 21, 1942	17.34	Dec. 14, 1954	17.98
Nov. 19	18.94	June 27	21.22	Dec. 12, 1955	17.24
Jan. 8, 1941	21.57	Nov. 7, 1945	20.68	Dec. 6, 1956	24.82
Jan. 29	17.17	Dec. 27	14.63		
Feb. 28	17.66	Nov. 21, 1947	18.81		

96. Mrs. Nora Morris. Lat. $27^{\circ}54'$, long. $97^{\circ}20'$. Diameter 4 inches, depth 65 feet. Land-surface datum is 17.13 feet above msl.

Sept. 16, 1938	37.50	Nov. 19, 1940	18.78	Nov. 28, 1945	29.72
Apr. 4, 1939	32.00	Feb. 28, 1941	17.50	Dec. 28	10.24
May 2	32.63	May 31	13.57	Nov. 21, 1947	10.21
Dec. 12	40.56	Jan. 21, 1942	17.11	Nov. 15, 1949	7.5
Jan. 4, 1940	19.00	June 27	16.36		

102. C. Schriner. Lat. $27^{\circ}55'$, long. $97^{\circ}20'$. Diameter 4 inches, depth 60 feet. Land-surface datum is 17.98 feet above msl.

Sept. 12, 1938	18.80	Feb. 27, 1941	21.30	Nov. 7, 1945	11.86
Dec. 12, 1939	21.90	May 16	13.14	Dec. 26	10.22
Jan. 4, 1940	21.80	May 31	11.57	Nov. 20, 1947	13.15
Mar. 18	26.02	Sept. 13	15.79	Nov. 15, 1949	9.59
Aug. 6	24.18	Jan. 21, 1942	14.07	Nov. 14, 1950	16.13
Nov. 20	20.76	June 26	13.55	Nov. 21, 1951	16.78

106. Mona Clanton. Lat. $27^{\circ}55'$, long. $97^{\circ}20'$. Diameter 4 inches, depth 65 feet. Land-surface datum is 11.05 feet above msl.

Sept. 7, 1938	9.10	Nov. 20, 1940	17.25	Sept. 12, 1941	16.32
Dec. 14, 1939	13.04	Feb. 27, 1941	21.60	Jan. 21, 1942	13.89
Mar. 18, 1940	21.77	May 16	13.44		
Aug. 6	23.65	June 1	13.64		

WATER-LEVEL MEASUREMENTS IN SAN PATRICIO COUNTY--CONTINUED

107. L. S. Lane. Lat. $27^{\circ}55'$, long. $97^{\circ}20'$. Diameter 4 inches, depth 22 feet. Land-surface datum is 8.50 feet above msl.

Date	Water Level	Date	Water Level	Date	Water Level
Sept. 7, 1938	8.40	Nov. 21, 1940	10.41	June 26, 1942	6.50
Apr. 4, 1939	9.70	Feb. 27, 1941	5.28	Nov. 7, 1945	3.44
May 2	9.52	May 16	3.17	Dec. 27	1.72
Dec. 12	9.20	May 31	2.74	Nov. 20, 1947	6.06
Mar. 18, 1940	10.70	Sept. 12	8.07		
May 6	11.44	Jan. 21, 1942	6.28		

119. Mrs. W. E. Vowell. Lat. $27^{\circ}55'$, long. $97^{\circ}20'$. Diameter 6 inches, depth 60 feet. Land-surface datum is 9.46 feet above msl.

Sept. 12, 1938	4.10	Mar. 19, 1940	17.79	May 17, 1941	8.10
Apr. 4, 1939	29.00	Aug. 6	15.22	Sept. 12	11.27
May 7	30.93	Nov. 21	14.35	Jan. 23, 1942	9.01
Dec. 14	39.90	Feb. 28, 1941	13.80		

125. L. M. McPherson. Lat. $27^{\circ}54'$, long. $97^{\circ}19'$. Diameter 6 inches, depth 66 feet. Land-surface datum is 27.47 feet above msl.

Sept. 12, 1938	19.60	May 31, 1941	14.82	Nov. 15, 1949	12.87
Dec. 12, 1939	21.20	Aug. 13	17.82	Nov. 15, 1950	18.75
Jan. 4, 1940	20.70	Jan. 23, 1942	17.82	Nov. 21, 1951	16.63
Mar. 18	33.71	June 6	19.70	Dec. 9, 1953	17.53
Aug. 6	27.49	Nov. 7, 1945	16.04	Dec. 14, 1954	18.97
Dec. 4	21.81	Dec. 28	14.45	Dec. 5, 1955	b20.22
May 17, 1941	16.73	Nov. 20, 1947	21.88	Dec. 5, 1956	22.36

129. B. A. Linderman. Lat. $27^{\circ}54'$, long. $97^{\circ}09'$. Diameter 4 inches, depth 76 feet. Land-surface datum is 13.41 feet above msl.

Sept. 12, 1938	13.40	Sept. 12, 1941	12.95	Nov. 21, 1951	15.42
Mar. 18, 1940	13.71	Jan. 20, 1942	10.74	Dec. 9, 1953	15.48
Mar. 23	12.48	June 26	11.64	Dec. 15, 1954	16.15
Aug. 5	15.45	Nov. 8, 1945	10.76	Dec. 5, 1955	13.84
Nov. 20	12.55	Dec. 27	8.92	Dec. 5, 1956	20.38
May 17, 1941	9.43	Nov. 20, 1947	12.11		
May 30	9.00	Nov. 16, 1949	11.74		

b pumped recently

WATER-LEVEL MEASUREMENTS IN SAN PATRICIO COUNTY--CONTINUED

132. Mrs. E. H. McCracken. Lat. $27^{\circ}54'$, long. $97^{\circ}19'$. Diameter 6 inches, depth 67 feet. Land-surface datum is 24.75 feet above msl.

Date	Water Level	Date	Water Level	Date	Water Level
Apr. 4, 1939	30.6	May 16, 1941	18.48	Dec. 28, 1945	16.42
May 2	28.21	May 30	18.05	Nov. 20, 1947	17.22
Mar. 18, 1940	38.40	Sept. 13	21.56	Nov. 15, 1949	20.40
Aug. 6	31.52	Jan. 21, 1942	19.76	Nov. 15, 1950	24.75
Sept. 12	22.20	June 26	20.18		
Nov. 17	25.05	Nov. 7, 1945	17.46		

135. V. Johnson. Lat. $27^{\circ}53'$, long. $97^{\circ}19'$. Diameter 3 inches, depth 40 feet. Land-surface datum is 8.45 feet above msl.

June 26, 1938	5.33	Jan. 21, 1942	5.11	Nov. 15, 1950	7.10
Dec. 7, 1940	5.44	June 27	5.54	Nov. 21, 1951	5.2
Feb. 27, 1941	3.12	Nov. 7, 1945	4.74	Dec. 9, 1953	5.4
May 17	4.10	Dec. 27	3.62	Dec. 14, 1954	6.23
May 31	3.52	Nov. 21, 1947	5.49	Dec. 5, 1955	5.36
Sept. 13	6.96	Nov. 16, 1949	3.67	Dec. 5, 1956	8.48

136. E. A. Dickinson. Lat. $27^{\circ}53'$, long. $97^{\circ}19'$. Diameter 3 inches, depth 44 feet. Land-surface datum is 10.15 feet above msl.

June 26, 1938	8.24	May 31, 1941	5.99	June 27, 1942	7.76
Feb. 27, 1941	6.20	Sept. 12	8.67	Nov. 7, 1945	6.45
May 17	6.74	Jan. 21, 1942	7.01	Dec. 28	5.91

138. J. F. Gambill. Lat. $27^{\circ}52'$, long. $97^{\circ}20'$. Diameter 4 inches, depth 36 feet. Land-surface datum is 12.46 feet above msl.

June 26, 1938	9.61	May 31, 1941	7.66	Nov. 16, 1949	5.30
Dec. 14, 1939	12.3	Sept. 11	9.88	Nov. 14, 1950	9.33
Mar. 18, 1940	11.59	Jan. 21, 1942	11.27	Nov. 21, 1951	7.76
Aug. 8	9.86	June 27	10.50	Dec. 8, 1953	8.07
Nov. 16	8.82	Nov. 7, 1945	8.65	Dec. 13, 1954	8.71
Feb. 27, 1941	8.08	Dec. 27	8.01	Dec. 5, 1955	8.05
May 17	7.50	Nov. 21, 1947	8.63	Dec. 4, 1956	9.92

139. H. Blagg. Lat. $27^{\circ}52'$, long. $97^{\circ}20'$. Diameter 3 inches, depth 44 feet. Land-surface datum is 8.03 feet above msl.

Sept. 13, 1938	4.60	Sept. 12, 1941	4.91	Nov. 21, 1947	2.44
Dec. 7, 1940	4.33	Jan. 21, 1942	4.07	Nov. 16, 1949	3.26
Feb. 27, 1941	3.50	June 27	4.09	Nov. 14, 1950	4.94
May 18	3.62	Nov. 7, 1945	0.60	Nov. 21, 1951	4.15
May 31	2.34	Dec. 28	2.94		

WATER-LEVEL MEASUREMENTS IN SAN PATRICIO COUNTY--CONTINUED

140. Bruce Hannah. Lat. $27^{\circ}52'$, long. $97^{\circ}11'$. Diameter 4 inches, depth 24 feet. Land-surface datum is 15.00 feet above msl.

Date	Water Level	Date	Water Level	Date	Water Level
June 27, 1938	14.59	May 31, 1941	19.28	Nov. 14, 1950	17.69
Dec. 12, 1939	19.20	Jan. 20, 1942	20.99	Nov. 21, 1951	17.20
Mar. 18, 1940	21.48	June 27	21.17	Dec. 8, 1953	17.11
Aug. 5	21.98	Nov. 7, 1945	16.78	Dec. 15, 1954	17.88
Dec. 3	21.75	Dec. 28	16.41	Dec. 5, 1955	15.60
Feb. 27, 1941	21.23	Nov. 22, 1947	16.03	Dec. 4, 1956	16.61
May 16	19.88	Nov. 16, 1949	14.46		

141. Caldwell Sisters. Lat. $27^{\circ}52'$, long. $97^{\circ}21'$. Diameter 4 inches, depth 56 feet. Land-surface datum is 15.10 feet above msl.

June 24, 1938	14.17	May 16, 1941	15.01	Dec. 27, 1945	11.78
Mar. 15, 1940	16.18	May 31	14.50	Nov. 20, 1947	10.29
Aug. 3	16.69	Jan. 20, 1942	15.98	Nov. 16, 1949	13.34
Dec. 3	17.04	June 27	15.56	Nov. 14, 1950	13.73
Feb. 27, 1941	15.92	Nov. 7, 1945	11.68	Nov. 21, 1951	12.03

144. Fred McMullen. Lat. $27^{\circ}52'$, long. $97^{\circ}21'$. Diameter 4 inches, depth 35 feet. Land-surface datum is 16.92 feet above msl.

June 26, 1938	19.36	May 16, 1941	21.10	Nov. 21, 1947	15.79
Dec. 16, 1939	21.90	May 31	21.04	Nov. 15, 1949	14.85
Mar. 18, 1940	20.84	Jan. 20, 1942	21.04	Nov. 14, 1950	15.93
Aug. 5	21.07	June 27	20.90	Dec. 8, 1953	18.16
Nov. 20	22.12	Nov. 7, 1945	18.55	Dec. 13, 1954	18.50
Feb. 27, 1941	20.57	Dec. 26	18.48	Dec. 5, 1955	18.05

145. H. A. Stevens. Lat. $27^{\circ}51'$, long. $97^{\circ}20'$. Diameter 4 inches, depth 50 feet. Land-surface datum is 11.96 feet above msl.

Sept. 13, 1938	11.70	Sept. 12, 1941	9.55	Nov. 14, 1950	9.60
Mar. 18, 1940	10.59	Jan. 21, 1942	9.16	Nov. 21, 1951	8.16
Aug. 6	10.58	June 27	9.02	Dec. 8, 1953	8.29
Nov. 21	10.32	Nov. 7, 1945	7.06	Dec. 13, 1954	9.04
Feb. 27, 1941	10.12	Dec. 26	6.86	Dec. 5, 1955	5.41
May 17	8.01	Nov. 21, 1947	7.87	Dec. 5, 1956	9.82
May 31	7.47	Nov. 16, 1949	7.19		

WATER-LEVEL MEASUREMENTS IN SAN PATRICIO COUNTY--CONTINUED

148. W. T. Harris. Lat. $27^{\circ}51'$, long. $97^{\circ}21'$. Diameter 4 inches, depth 51 feet. Land-surface datum is 9.57 feet above msl.

Date	Water Level	Date	Water Level	Date	Water Level
Mar. 18, 1940	10.15	Jan. 21, 1942	9.31	Nov. 21, 1951	8.28
Aug. 6	10.30	Nov. 8, 1945	7.78	Dec. 8, 1953	8.12
Nov. 21	10.08	Dec. 26	7.69	Dec. 13, 1954	8.72
Feb. 27, 1941	9.50	Nov. 21, 1947	7.60	Dec. 5, 1955	9.43
May 16	8.54	Nov. 16, 1949	7.30	Dec. 5, 1956	9.37
May 31	8.10	Nov. 14, 1950	8.21		

164. George W. King. Lat. $27^{\circ}55'$, long. $97^{\circ}20'$. Land-surface datum is 10.76 feet above msl.

Nov. 19, 1940	14.12	Jan. 20, 1942	8.84	Nov. 20, 1951	7.08
Dec. 28	13.60	June 26	8.16	Dec. 9, 1953	5.38
Jan. 8, 1941	13.50	Nov. 7, 1945	4.51	Dec. 14, 1954	6.93
Jan. 29	12.83	Dec. 27	4.22	Dec. 5, 1955	7.83
Feb. 28	10.16	Nov. 20, 1947	8.29	Dec. 6, 1956	9.71
May 16	5.76	Nov. 15, 1949	1.33		
Sept. 11	9.38	Nov. 14, 1950	9.58		

165. Crogy and Grote. Lat. $27^{\circ}55'$, long. $97^{\circ}19'$. Diameter 8 inches. Land-surface datum is 22.94 feet above msl.

Dec. 5, 1940	20.10	Feb. 27, 1941	12.33	Dec. 27, 1945	14.42
Jan. 8, 1941	18.50	May 16	8.21		
Jan. 29	16.66	Nov. 7, 1945	14.41		

166. Crogy and Grote. Lat. $27^{\circ}54'$, long. $97^{\circ}20'$. Land-surface datum is 25.98 feet above msl.

Nov. 19, 1940	32.75	May 31, 1941	25.77	Dec. 26, 1945	26.65
Jan. 30, 1941	36.29	Sept. 12	28.58	Nov. 21, 1947	19.68
Feb. 28	26.0	June 26, 1942	27.42	Nov. 15, 1950	29.40
May 16	25.81	Nov. 8, 1945	28.68		

WATER-LEVEL MEASUREMENTS IN SAN PATRICIO COUNTY--CONTINUED

167. Humble Oil and Refining Co. Lat. $27^{\circ}53'$, long. $97^{\circ}21'$. Diameter 8 inches. Land-surface datum is 17.3 feet above msl.

Date	Water Level	Date	Water Level	Date	Water Level
Aug. 9, 1939	19.0	Jan. 8, 1941	23.7	Nov. 22, 1947	24.72
Nov. 14, 1940	22.5	Dec. 27, 1945	18.56		

173. H. R. Davis. Lat. $27^{\circ}54'$, long. $97^{\circ}21'$. Diameter 10 inches. Land-surface datum is 13.58 feet above msl.

Nov. 19, 1940	18.07	May 16, 1941	15.78	Nov. 7, 1945	13.44
Jan. 8, 1941	21.08	May 31	15.30	Dec. 28	13.01
Jan. 29	17.33	Jan. 21, 1942	16.31	Nov. 21, 1947	15.30
Feb. 28	13.83	June 27	15.95		

174. Mrs. J. D. Mills. Lat. $27^{\circ}54'$, long. $97^{\circ}20'$. Diameter 8 inches. Land-surface datum is 15.28 feet above msl.

Nov. 19, 1940	21.57	May 16, 1941	18.90	June 27, 1942	20.82
Jan. 8, 1941	23.41	May 31	19.54	Nov. 7, 1945	15.40
Jan. 29	21.50	Sept. 11	22.17	Dec. 27	14.11
Feb. 28	20.66	Jan. 21, 1942	19.26	Nov. 15, 1949	11.11

176. J. F. Bigelow. Lat. $27^{\circ}54'$, long. $97^{\circ}18'$. Diameter 4 inches. Land-surface datum is 11.06 feet above msl.

Nov. 22, 1940	14.47	May 30, 1941	7.70	June 26, 1942	11.79
Dec. 7	15.06	Sept. 13	11.50	Nov. 21, 1947	10.12
May 17, 1941	8.75	Jan. 21, 1942	9.96		

178. City of Aransas Pass. Lat. $27^{\circ}54'$, long. $97^{\circ}18'$. Diameter 8 inches. Land-surface datum is 17.29 feet above msl.

Nov. 22, 1940	24.84	Sept. 12, 1941	21.69	Nov. 20, 1947	20.80
Dec. 6	27.11				

183. J. E. DeWitt. Lat. $27^{\circ}52'$, long. $97^{\circ}20'$. Land-surface datum is 20.12 feet above msl.

Mar. 18, 1940	17.39	Feb. 27, 1941	16.75	Jan. 21, 1942	16.82
Aug. 5	17.95	May 16	15.87	June 27	17.72
Dec. 3	17.30	May 31	15.67		

WATER-LEVEL MEASUREMENTS IN SAN PATRICIO COUNTY--CONTINUED

184. O. Sherwood. Lat. $27^{\circ}53'$, long. $97^{\circ}21'$. Land-surface datum is 15.7 feet above msl.

Date	Water Level	Date	Water Level	Date	Water Level
May 15, 1939	20.75	Feb. 28, 1941	20.00	Sept. 12, 1941	23.17
Jan. 8, 1940	21.01	Mar. 22	22.10	Jan. 21, 1942	21.80
Nov. 14	20.75	May 17	21.97	June 27	20.36
Jan. 28, 1941	21.58	May 31	21.37		

185. McCampbell. Lat. $27^{\circ}53'$, long. $97^{\circ}22'$. Land-surface datum is 7.28 feet above msl.

Dec. 4, 1940	17.37	Sept. 11, 1941	18.14	Dec. 27, 1945	12.64
Jan. 29, 1941	17.25	Jan. 21, 1942	16.89		
May 17	16.32	Nov. 8, 1945	14.90		

186. Lat. $27^{\circ}50'$, long. $97^{\circ}21'$. Land-surface datum is 12.45 feet above msl.

Dec. 6, 1940	10.45	Nov. 21, 1947	9.95	Dec. 8, 1953	9.54
Jan. 21, 1942	10.04	Nov. 16, 1949	11.62	Dec. 13, 1954	10.17
Nov. 7, 1945	10.85	Nov. 14, 1950	11.22	Dec. 5, 1955	9.27
Dec. 27	8.74	Nov. 21, 1951	9.54	Dec. 5, 1956	10.54

187. J. R. Howell. Lat. $27^{\circ}53'$, long. $97^{\circ}19'$. Diameter 4 inches.

Dec. 7, 1940	4.88	Jan. 21, 1942	4.60	Dec. 9, 1953	5.21
Feb. 27, 1941	3.72	June 27	5.49	Dec. 14, 1954	6.03
May 18	3.91	Nov. 7, 1945	4.60	Dec. 5, 1955	5.42
May 31	3.62	Dec. 27	4.51	Dec. 5, 1956	7.47
Sept. 12	6.52	Nov. 16, 1949	9.00		
Sept. 13	6.51	Nov. 15, 1950	11.25		

188. T. Pollock. Lat. $37^{\circ}52'$, long. $97^{\circ}19'$. Diameter 3 inches.

Dec. 7, 1940	5.16	Jan. 21, 1942	4.70	Nov. 15, 1950	6.47
Feb. 27, 1941	2.66	June 27	5.10	Nov. 21, 1951	4.78
May 17	4.20	Nov. 21, 1947	4.29		
Sept. 12	6.39	Nov. 16, 1949	3.65		

WATER-LEVEL MEASUREMENTS IN SAN PATRICIO COUNTY--CONTINUED

189. J. Green. Lat. $27^{\circ}53'$, long. $97^{\circ}19'$. Diameter 3 inches.
Land-surface datum is 11.39 feet above msl.

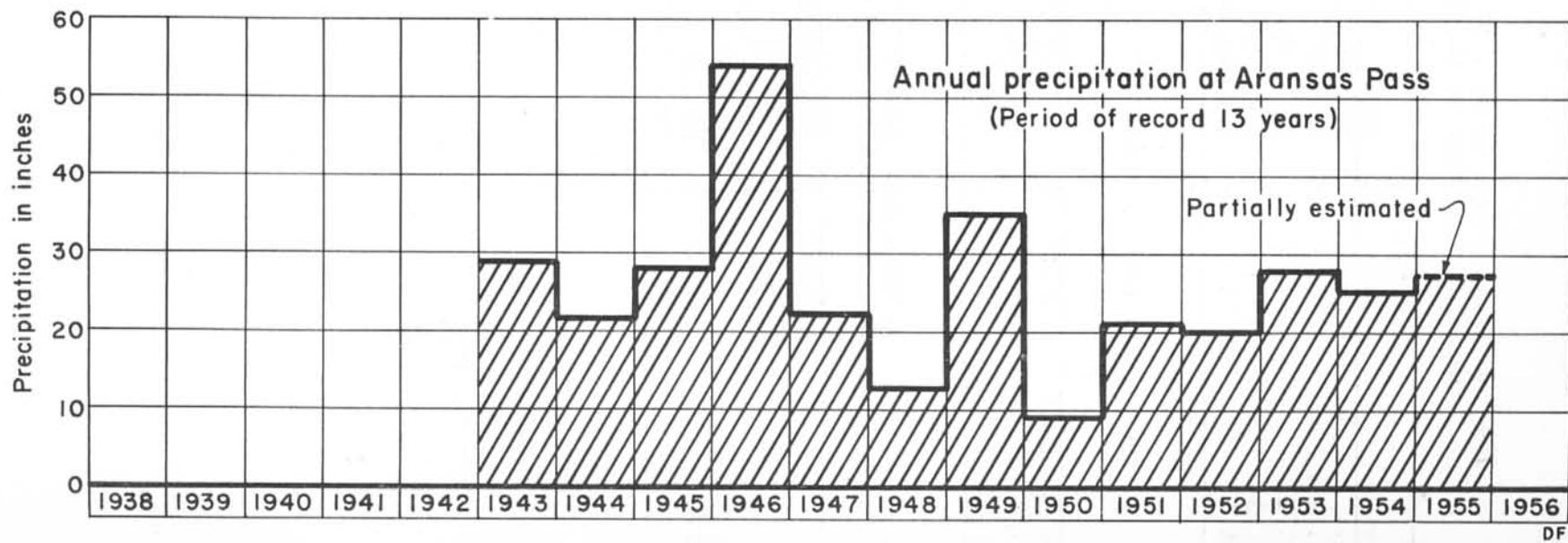
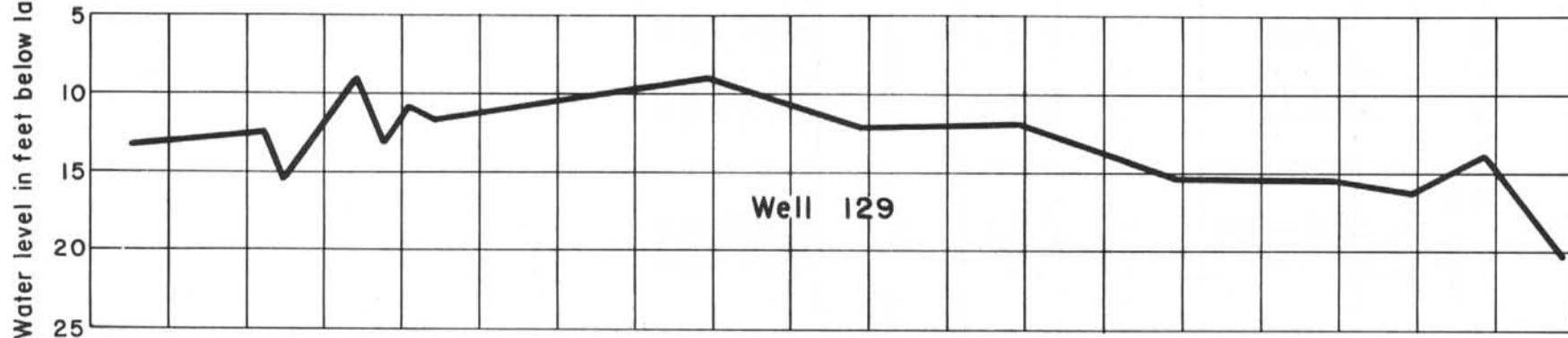
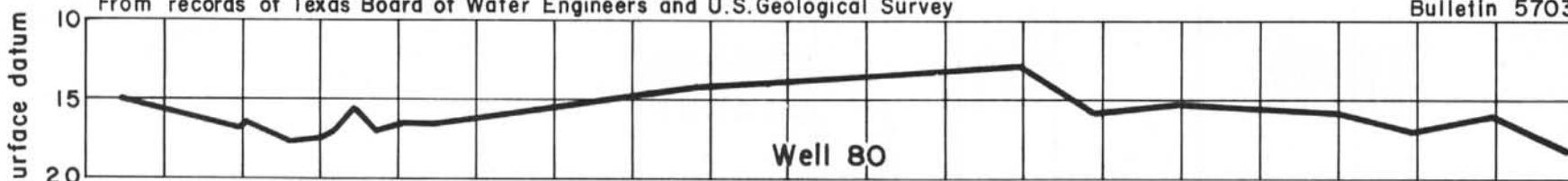
Date	Water Level	Date	Water Level	Date	Water Level
Dec. 7, 1940	9.22	Jan. 21, 1942	8.68	Nov. 16, 1949	6.95
Feb. 27, 1941	8.04	July 27	9.88	Nov. 15, 1950	11.13
May 17	7.49	Nov. 8, 1945	6.35	Nov. 21, 1951	9.07
May 31	7.40	Dec. 28	7.91		
Sept. 11	10.87	Nov. 21, 1947	10.38		

190. S. E. Pruitt. Lat. $27^{\circ}53'$, long. $97^{\circ}19'$. Diameter 4 inches.
Land-surface datum is 10.69 feet above msl.

Dec. 8, 1940	8.58	Sept. 13, 1941	15.54	Nov. 7, 1945	6.31
Feb. 27, 1941	11.33	Jan. 22, 1942	11.68	Dec. 27	10.94
May 17	8.97	June 27	13.48	Nov. 21, 1947	11.32

192. D. C. Blaylock. Lat. $27^{\circ}55'$, long. $97^{\circ}20'$. Diameter 8 inches.
Land-surface datum is 6.28 feet above msl.

Dec. 8, 1940	12.58	Jan. 23, 1942	9.96	Nov. 14, 1950	14.02
Feb. 28, 1941	12.13	June 26	10.15	Nov. 20, 1951	11.49
May 16	9.14	Nov. 7, 1945	6.93	Dec. 9, 1953	16.85
May 31	8.87	Dec. 27	9.72	Dec. 14, 1954	15.32
Sept. 11	11.02	Nov. 20, 1947	11.31	Dec. 6, 1955	15.35
Sept. 12	10.91	Nov. 15, 1949	6.40	Dec. 5, 1956	16.26



HYDROGRAPHS OF WATER LEVELS IN WELLS 80 AND 129 IN SAN PATRICIO COUNTY,
AND THE ANNUAL PRECIPITATION AT ARANSAS PASS, TEXAS

