

WELL DISTRICTS NOT NAMED ON MAP

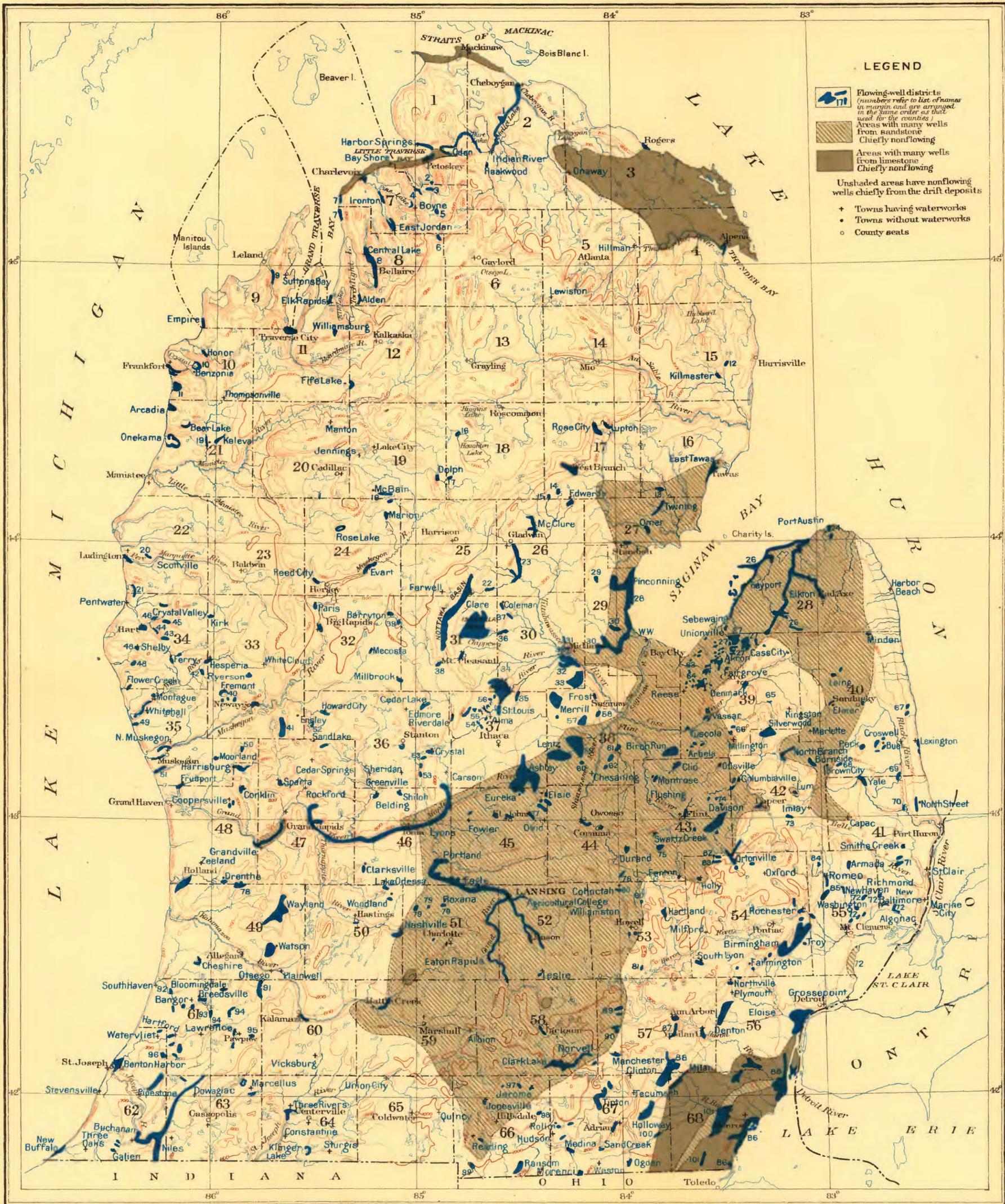
1. MULLET LAKE
2. CLARION
3. WALLOON LAKE
4. MELROBE
5. BOYNE FALLS
6. SPRINGWATER
7. NORWOOD (TWO)
8. INTERMEDIATE LAKE
9. CARR LAKE
10. BEULAH
11. HERRING LAKE
12. LINCOLN
13. WHITTEMORE
14. EDWARDS LAKE
15. CHAPMAN LAKE
16. HOUGHTON LAKE
17. DOLPH (TWO)
18. MOBAIN (TWO)
19. TANNER
20. AMBER
21. BABS LAKE
22. CLARE
23. GLADWIN
24. PORT AUBTIN (TWO)
25. RESCUE
26. EAST BAY SHORE
27. UNIONVILLE (SEVERAL POOLS)
28. WEST BAY SHORE
29. MOUNT FOREST
30. KAWKAWLIN
31. LARKIN
32. MIDLAND (TWO)
33. INGERSOLL
34. STEARNS
35. BETHANY
36. SALT CREEK
37. ALAMANDO
38. WINN
39. SHERIDAN
40. FREMONT (FOUR)
41. ENSLEY
42. GREENWOOD
43. LATTIN
44. TIGRIS
45. ELBRIDGE
46. WEARE
48. SHELBY (TWO)
49. FRUITLAND
50. CASNOVIA
51. LAKE HARBOR
52. WHITEFISH LAKE
53. CRYSTAL (FOUR)
54. ARCADE
55. ALMA (SEVERAL)
56. PINE RIVER (THREE)
57. FREMONT (TOWNSHIP)
58. SWAN CREEK
59. BRANT
60. BRADY
61. LUCE
62. CHESANING (TWO)
63. WISNER (FOUR)
64. GILFORD
65. KINGSTON
66. JUNIATA
67. PORT SANILAC (TWO)
68. VALLEY CENTER
69. EAST GREENWOOD
70. ATKINS
71. COLUMBUS (TWO)
72. ST. CLAIR SHORE (TEN)
73. ATTICA
74. RICHFIELD (THREE)
75. MUNDY
76. BYRON
77. SHEPARDVILLE
78. BEAR CREEK
79. ROXANA (THREE)
80. COHOCTAH (TWO)
81. PINCKNEY
82. ATLAS
83. GROVELAND
84. BRUCE
85. RAY
86. ERIE SHORE
87. PITTSFIELD
88. YORK
89. CHELSEA (TWO)
90. SHARON
91. PINE CREEK
92. GENEVA
93. ARLINGTON
94. WAVERLY (TWO)
95. ANTWERP
96. BAINBRIDGE
97. MOSCOW
98. WHEATLAND
99. CAMDEN
100. BLISSFIELD
101. WAYNE-MONROE FAILING AREAS

COUNTIES

1. EMMET
2. CHEBOYGAN
3. PRESQUE ISLE
4. ALPENA
5. MONTMORENCY
6. OTSEGO
7. CHARLEVOIX
8. ANTRIM
9. LEECLANAU
10. BENZIE
11. GRAND TRAVERSE
12. KALKASKA
13. CRAWFORD
14. OSCODA
15. ALCONA
16. IOSCO
17. OGEMAW
18. ROSCOMMON
19. MISSAUKEE
20. WEXFORD
21. MANISTEE
22. MASON
23. LAKE
24. OSCEOLA
25. CLARE
26. GLADWIN
27. ARENAC
28. HURON
29. BAY
30. MIDLAND
31. ISABELLA
32. MEOCOSTA
33. NEWAYGO
34. OCEANA
35. MONTEGON
36. MONTCALM
37. GRATIOT
38. SAGINAW
39. TUSCOLA
40. SANILAC
41. ST. CLAIR
42. LAPEER
43. GENESEE
44. SHILAWASSEE
45. CLINTON
46. IONIA
47. KENT
48. OTTAWA
49. ALLEGAN
50. BARRY
51. EATON
52. INGHAM
53. LIVINGSTON
54. OAKLAND
55. MACOMB
56. WAYNE
57. WASHTENAW
58. JACKSON
59. CALHOUN
60. KALAMAZOO
61. VAN BUREN
62. BERRIEN
63. CASS
64. ST. JOSEPH
65. BRANCH
66. HILLSDALE
67. LENAWE
68. MONROE

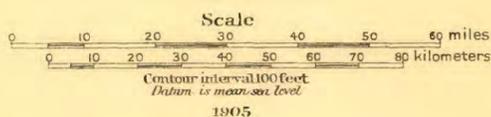
LEGEND

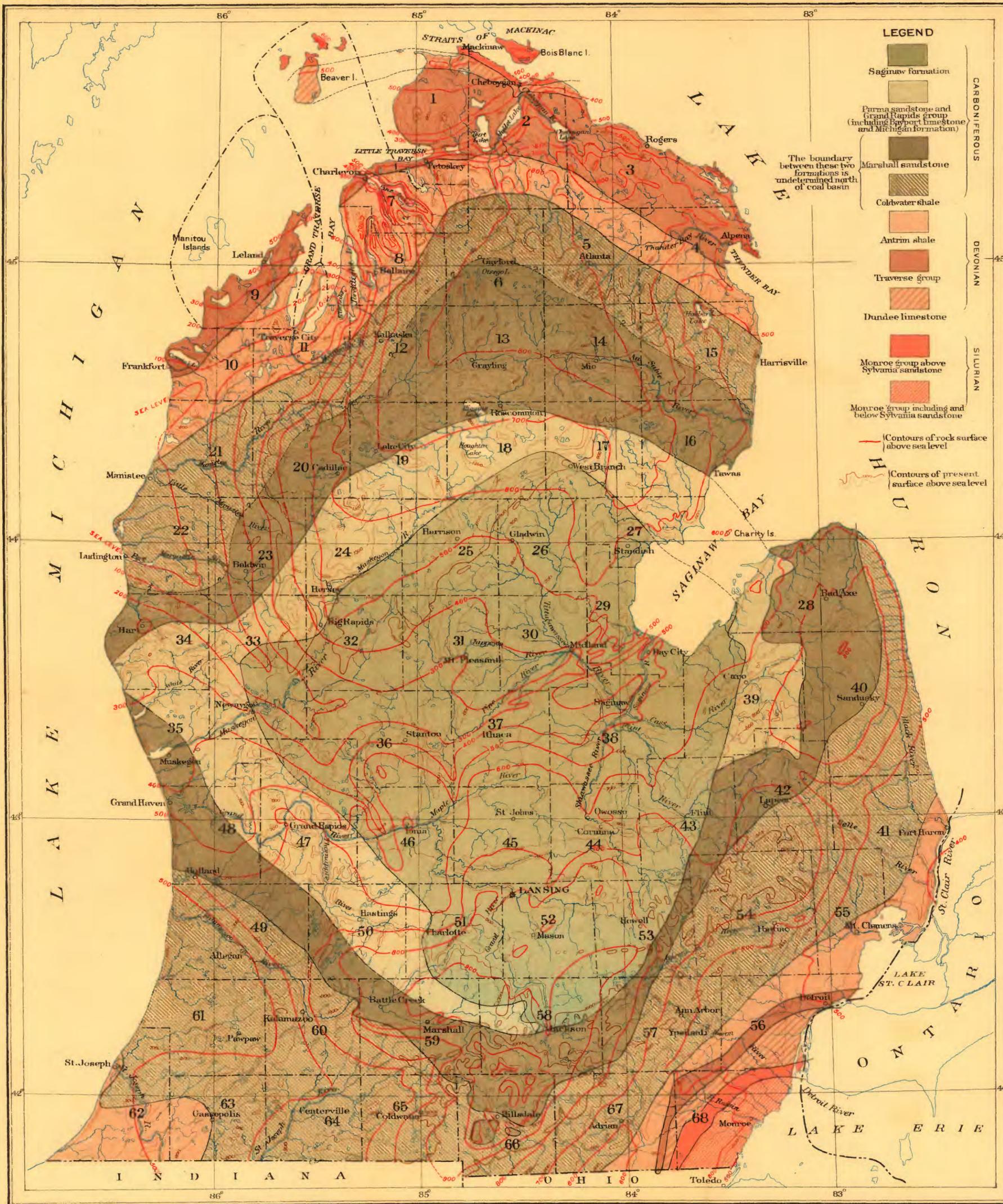
- Flowing-well districts (numbers refer to list of names in margin and are arranged in the same order as that used for the counties)
- Areas with many wells from sandstone Chiefly nonflowing
- Areas with many wells from limestone Chiefly nonflowing
- Unshaded areas have nonflowing wells chiefly from the drift deposits
- Towns having waterworks
- Towns without waterworks
- County seats



Contours by Frank Leverett from various sources, including U.S. Geological Survey atlas sheets

MAP SHOWING DISTRIBUTION OF FLOWING-WELL DISTRICTS AND WATERWORKS IN THE SOUTHERN PENINSULA OF MICHIGAN BY FRANK LEVERETT





COUNTIES

1. EMMET
2. CHEBOYGAN
3. PRESQUE ISLE
4. ALPENA
5. MONTMORENCY
6. OTSEGO
7. CHARLEVOIX
8. ANTRIM
9. LEELANAU
10. BENZIE
11. GRAND TRAVERSE
12. KALKASKA
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65. BRANCH
66. HILLSDALE
67. LENAWEE
68. MONROE

Contours by Frank Leverett
 from various sources, including
 U.S. Geological Survey atlas sheets

MAP SHOWING GEOLOGICAL FORMATIONS
 AND CONTOURS OF ROCK SURFACE OF THE SOUTHERN PENINSULA OF MICHIGAN

REVISED FROM STATE REPORTS AND UNPUBLISHED DATA
 BY ALFRED C. LANE





A. LARGE SPRING AT UNITED STATES FISH HATCHERY, NORTHVILLE, WAYNE COUNTY, MICH.



B. VIEW OF THE GROSSE ISLE FLOWING WELL.



A. TYPE OF DRILLING APPARATUS USED AT YPSILANTI AND VICINITY.



B. BONSTEEL FLOWING WELL IN 1902.

Showing old wooden casing and size of stream thirty-two years after its completion. The original flow was a $3\frac{1}{2}$ -inch stream.



