

Water Resources Survey

RECORDS
MANAGEMENT
WRS COPY



Part II:

MAPS SHOWING IRRIGATED AREAS IN COLORS
DESIGNATING THE SOURCES OF SUPPLY

Musselshell County, Montana

Published by
STATE ENGINEER'S OFFICE
Helena, Montana, July, 1949



WATER RESOURCES SURVEY

Musselshell County, Montana

Part II

Maps Showing Irrigated Areas

Published by

STATE ENGINEER'S OFFICE

HELENA, MONTANA

July, 1949

STATE ENGINEER'S OFFICE

State Engineer - - - - - Fred E. Buck
Assistant - - - - - Gerald J. Oravetz

STATE WATER CONSERVATION BOARD

Governor John W. Bonner - - - - - Chairman
O. S. Warden - - - - - Vice-Chairman
John B. David - - - - - Member
C. H. Raymond - - - - - Member
Fred E. Buck - - - - - Member and Chief Engineer
R. J. Kelly - - - - - Assistant Secretary

MONTANA STATE ARGICULTURAL EXPERIMENT STATION

O. W. Monson - - - - - Irrigation Engineer and Consultant

July, 1949

Hon. John W. Bonner
Capitol Building
Helena, Montana

Dear Governor Bonner:

Submitted herewith is a consolidated report on the Water Resources Survey of Musselshell County, Montana. This work is being carried on by funds made available to the State Engineer by the Thirty-first Legislative Session, 1949, and in cooperation with the State Water Conservation Board.

The report is divided into two booklets—part one consisting of the history of land and water use, irrigated lands, water rights, etc., while part two contains all of the township maps showing in color the lands irrigated from each canal.

The office files contain minute descriptions and details of each individual water right, water and land use, etc., which are too voluminous to be included herein. These office files are available for inspection to those who are interested.

Mr. Gerald J. Oravetz, Assistant State Engineer, has directed the detail office and field work of this project and is entitled to much credit for the excellent accomplishment.

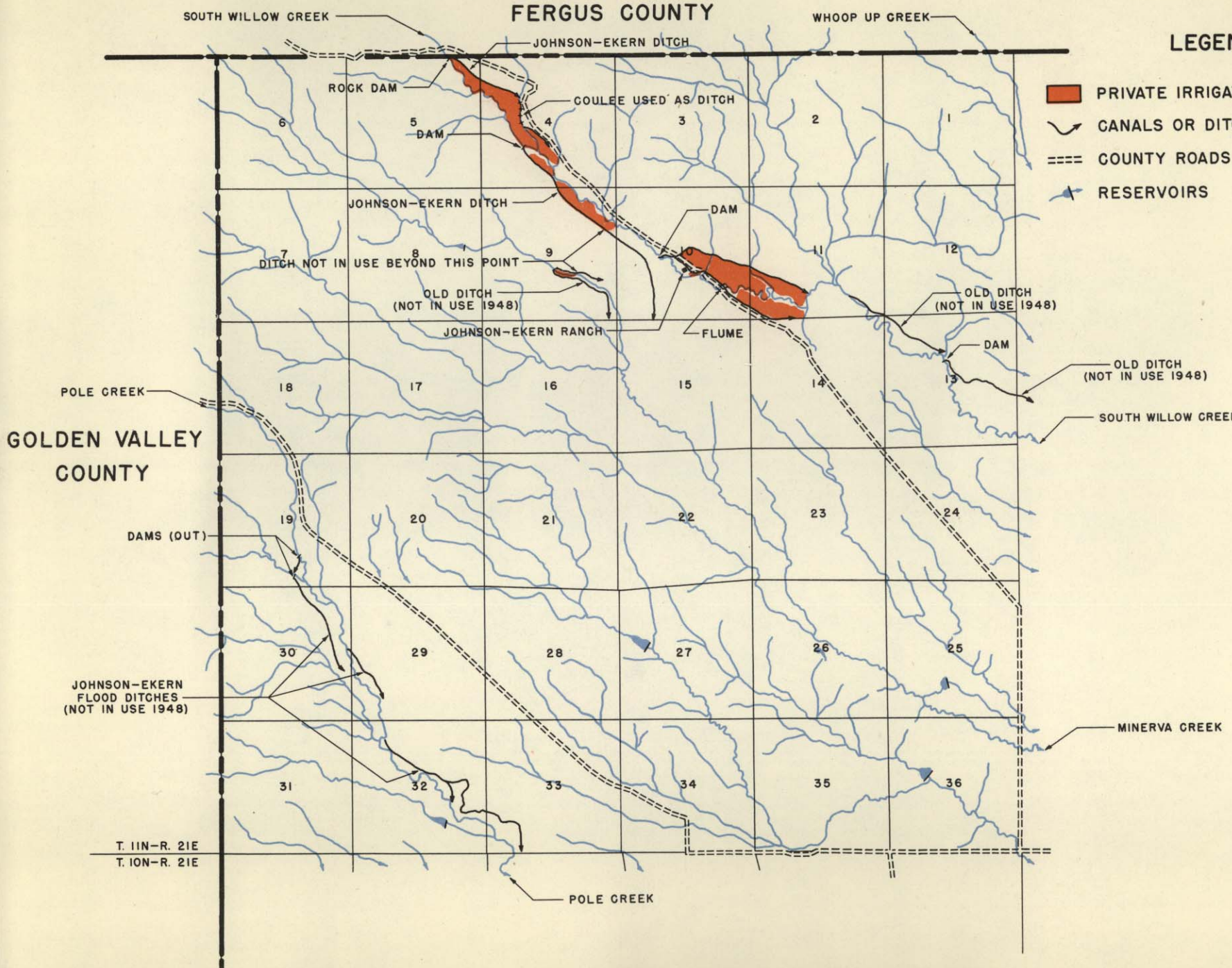
Respectfully submitted,

FRED E. BUCK,
State Engineer.

FERGUS COUNTY

LEGEND

- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- RESERVOIRS

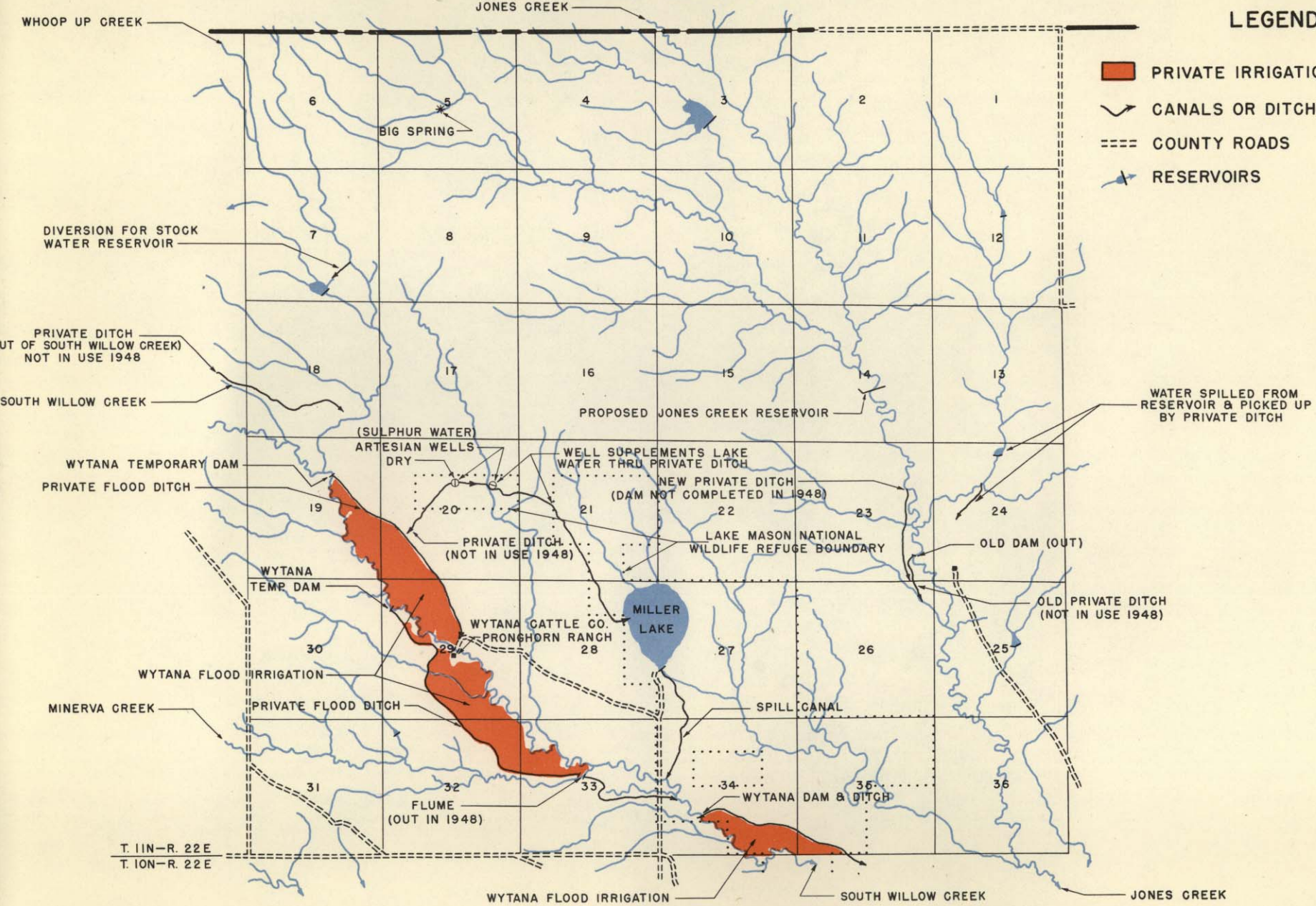


T. 11N-R. 21E
T. 10N-R. 21E

FERGUS COUNTY

LEGEND

- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- RESERVOIRS

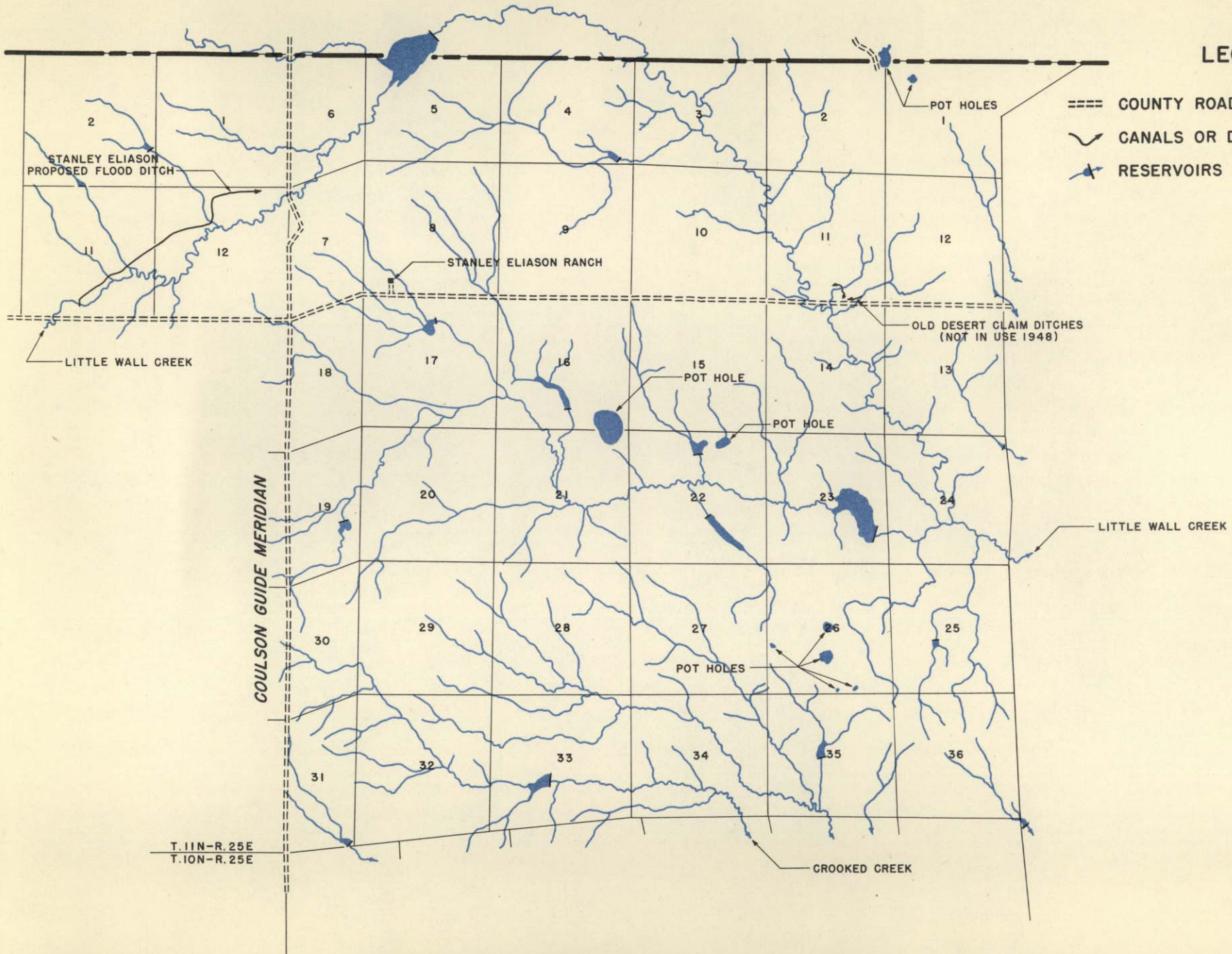


T. 11N-R. 22E
T. 10N-R. 22E

PETROLEUM COUNTY

LEGEND

- ==== COUNTY ROADS
- ~ CANALS OR DITCHES
- ▲ RESERVOIRS

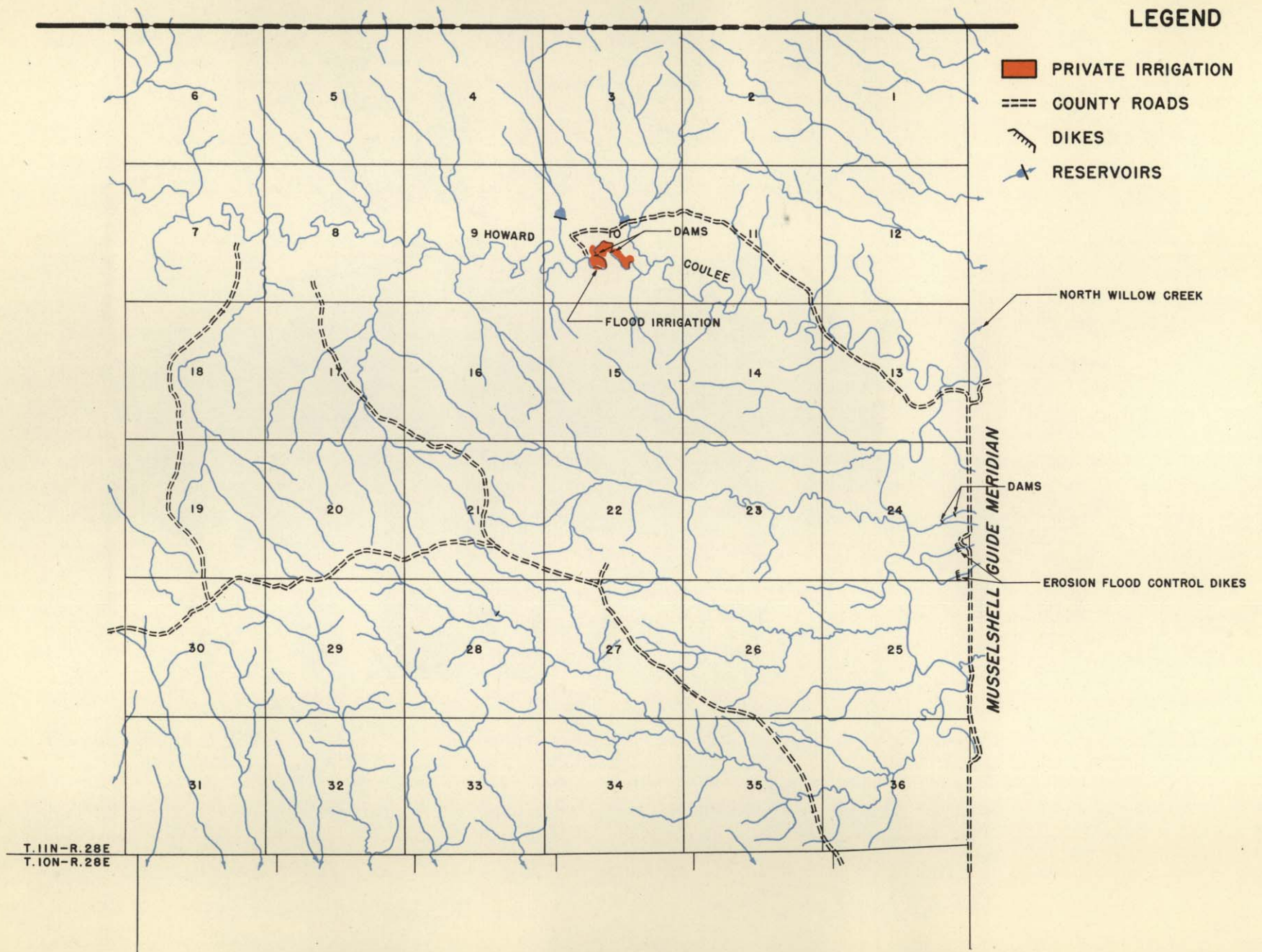


T. 11N-R. 25E
T. 10N-R. 25E

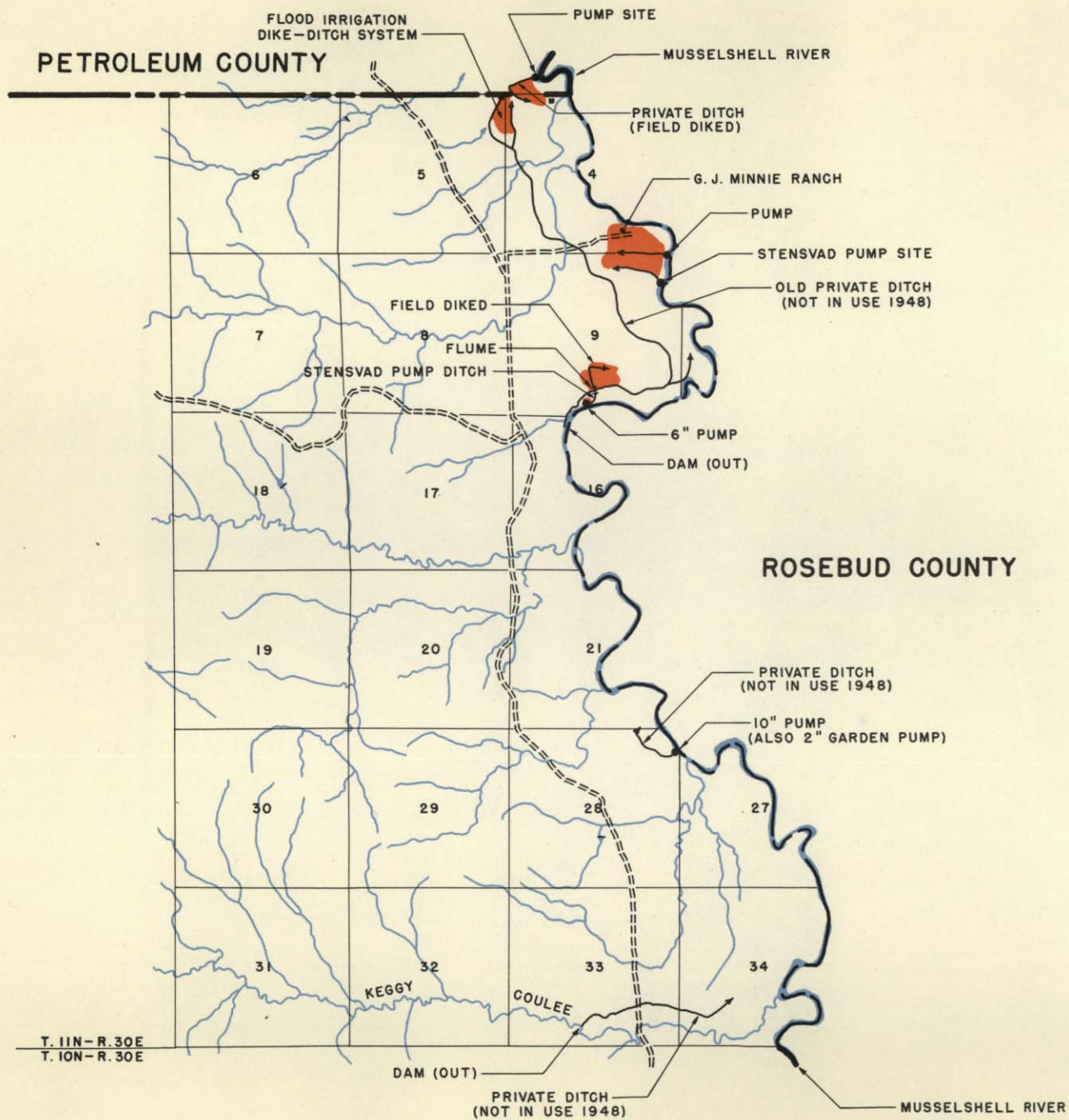
PETROLEUM COUNTY

LEGEND

- PRIVATE IRRIGATION
- COUNTY ROADS
- DIKES
- RESERVOIRS



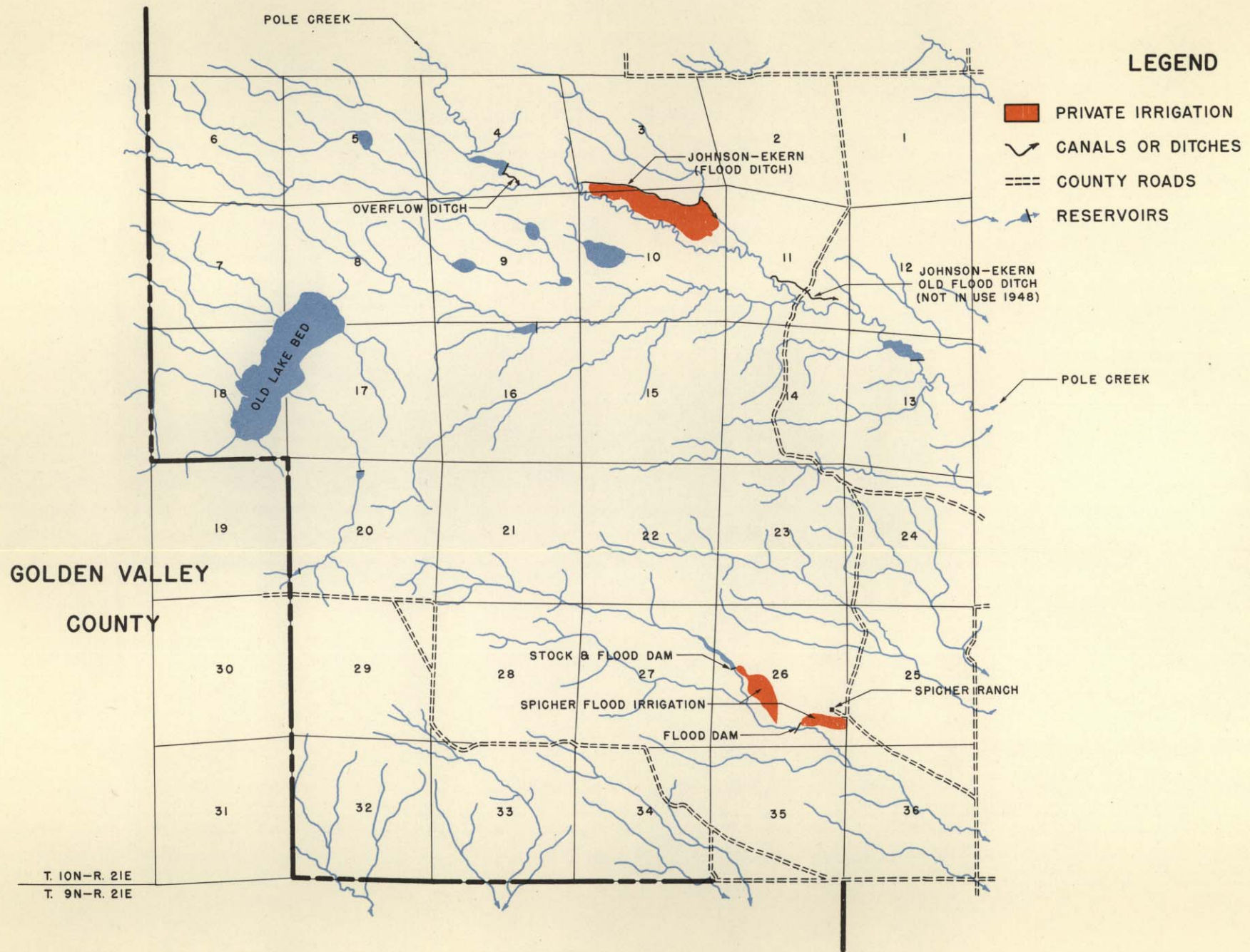
T. 11N-R. 28E
T. 10N-R. 28E

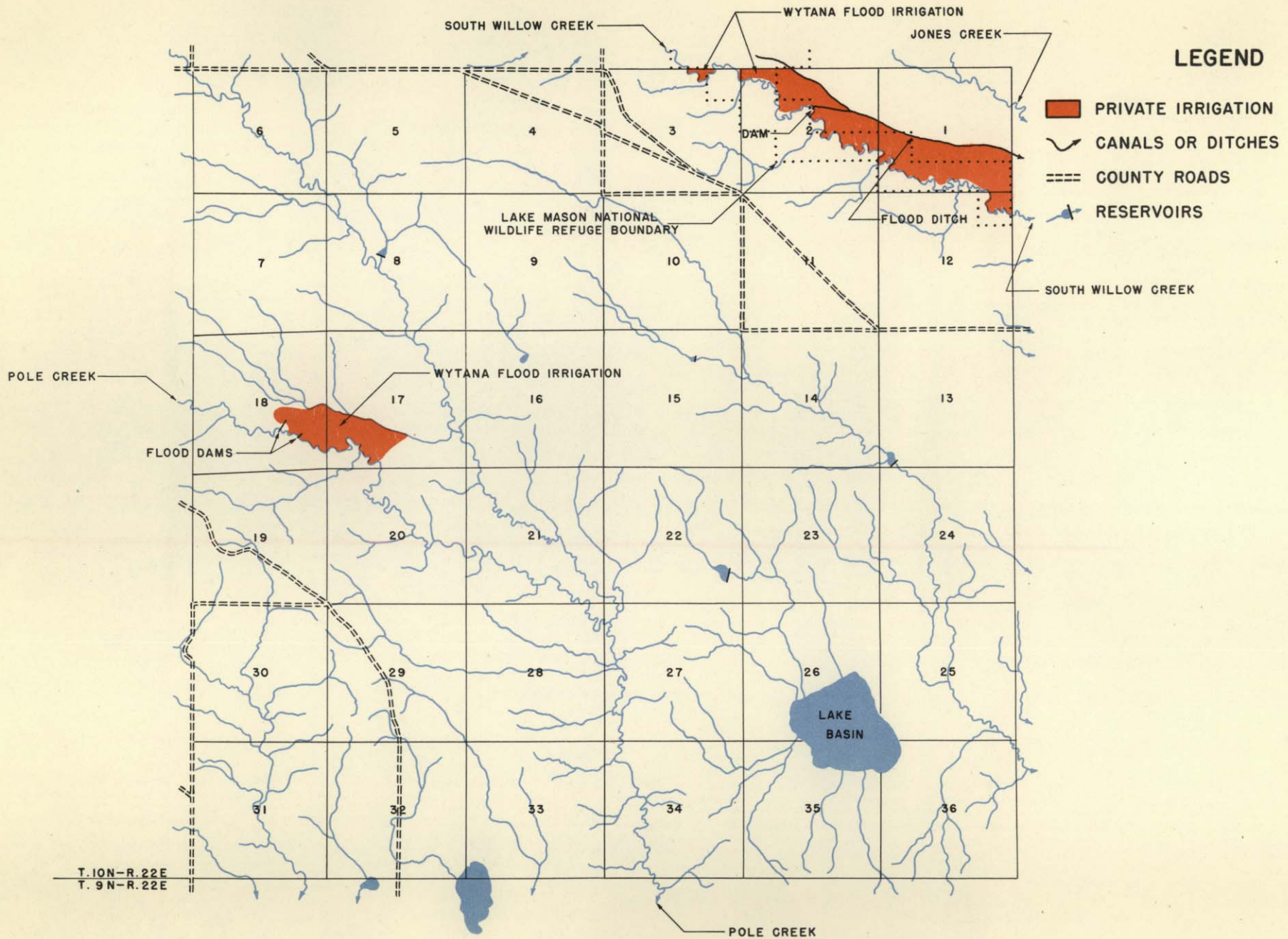


LEGEND

- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- RESERVOIRS

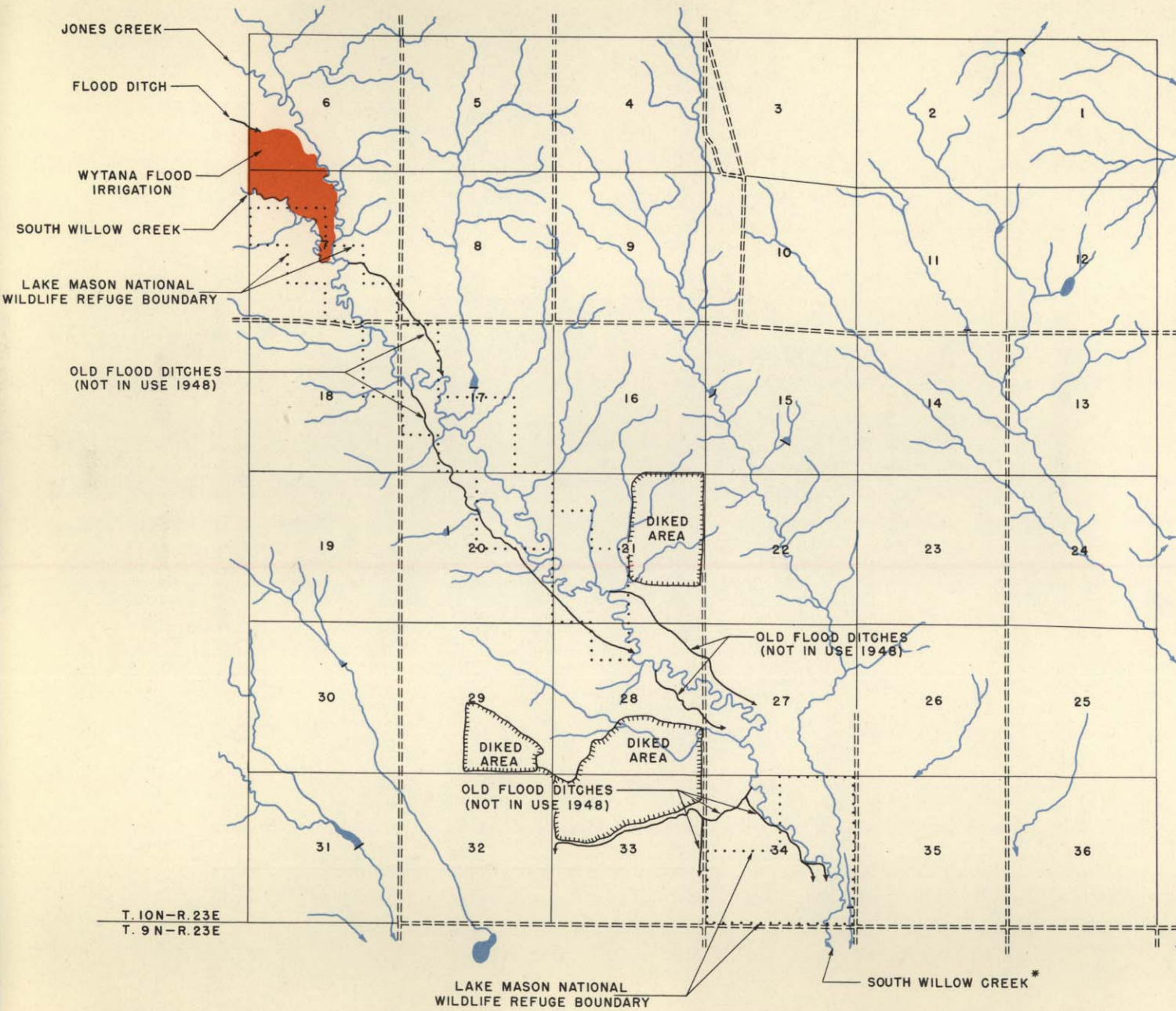
T. 11N - R. 30E
T. 10N - R. 30E



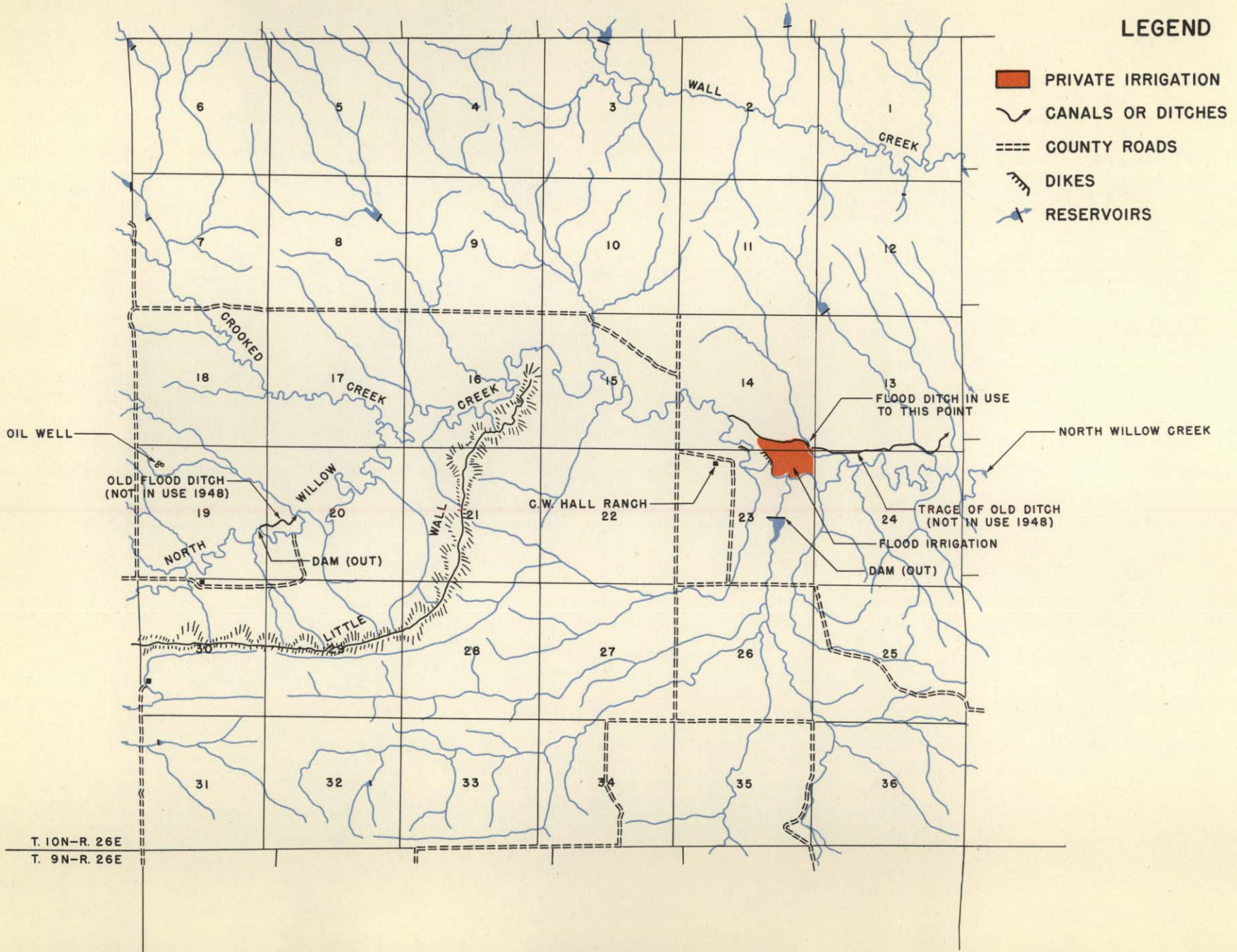


LEGEND

- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- RESERVOIRS



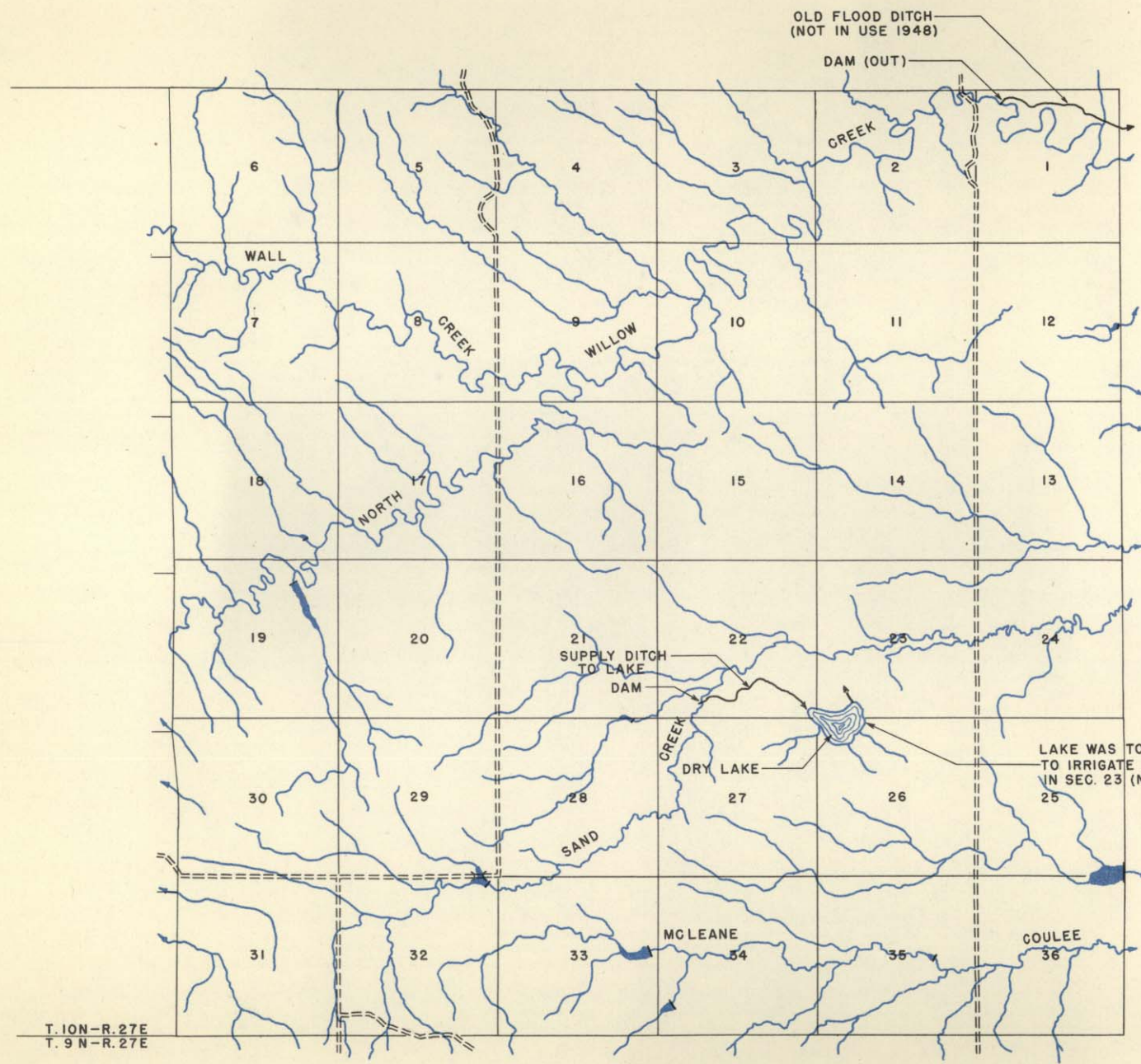
*NOTE:
SOUTH WILLOW CREEK ALSO
CALLED WILLOW CREEK






LEGEND

- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- DIKES
- RESERVOIRS

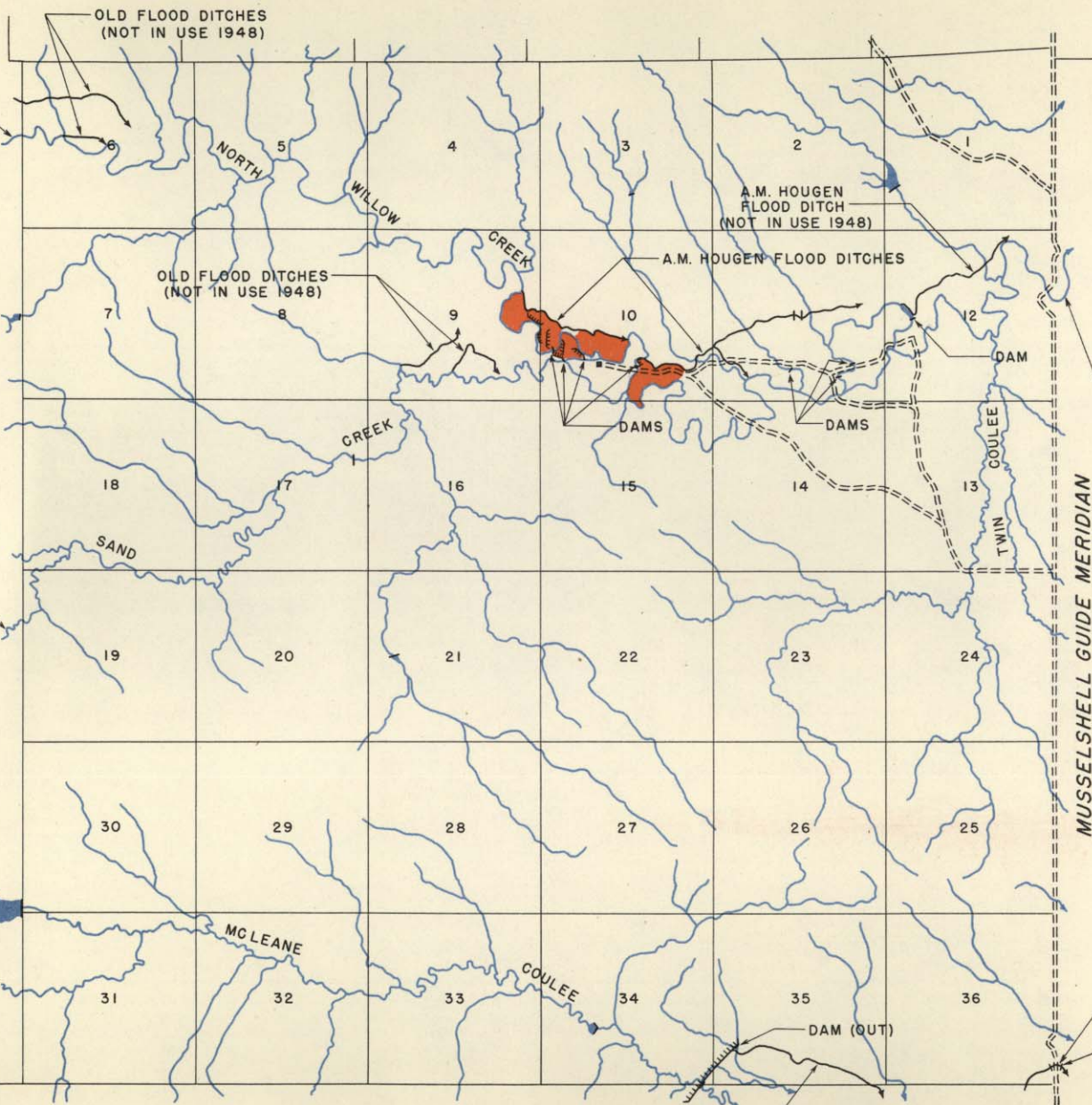
T. 10N-R. 26E
T. 9N-R. 26E



LEGEND

-  CANALS OR DITCHES
-  COUNTY ROADS
-  RESERVOIRS

T. 10N-R. 27E
T. 9N-R. 27E



LEGEND

- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- DIKES
- RESERVOIRS

NORTH WILLOW CREEK

NORTH WILLOW CREEK

SAND CREEK

MCLEANE COULEE

MUSSELSHELL GUIDE MERIDIAN

PROPOSED SIPHON

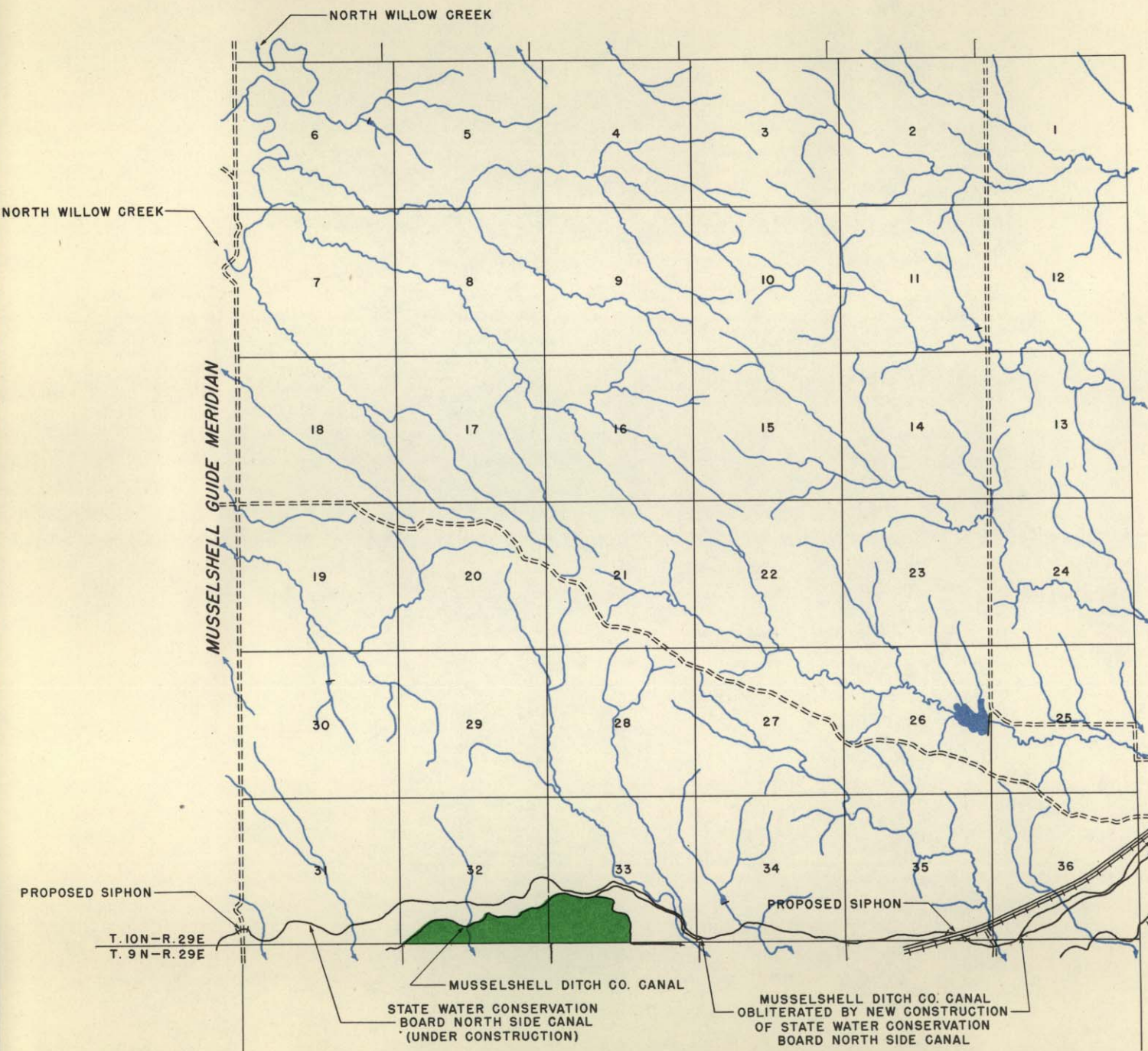
STATE WATER CONSERVATION BOARD CANAL (UNDER CONSTRUCTION)

FLOOD DITCH (NOT IN USE 1948)

T. 10N-R. 28E
T. 9N-R. 28E

LEGEND

- MUSSELSHELL DITCH COMPANY
- CANALS OR DITCHES
- COUNTY ROADS
- PAVED HIGHWAY
- RAILROADS
- RESERVOIRS



- STATE HWY. NO. 6
- C. M. S.T.P. & P. R.R.
- STATE WATER CONSERVATION BOARD NORTH SIDE CANAL (UNDER CONSTRUCTION)
- MUSSELSHELL DITCH CO. CANAL (NOT IN USE 1948)
- OLD R.L. DITCH (NOT IN USE 1948)

PROPOSED SIPHON

T. 10N-R. 29E
T. 9N-R. 29E

MUSSELSHELL DITCH CO. CANAL

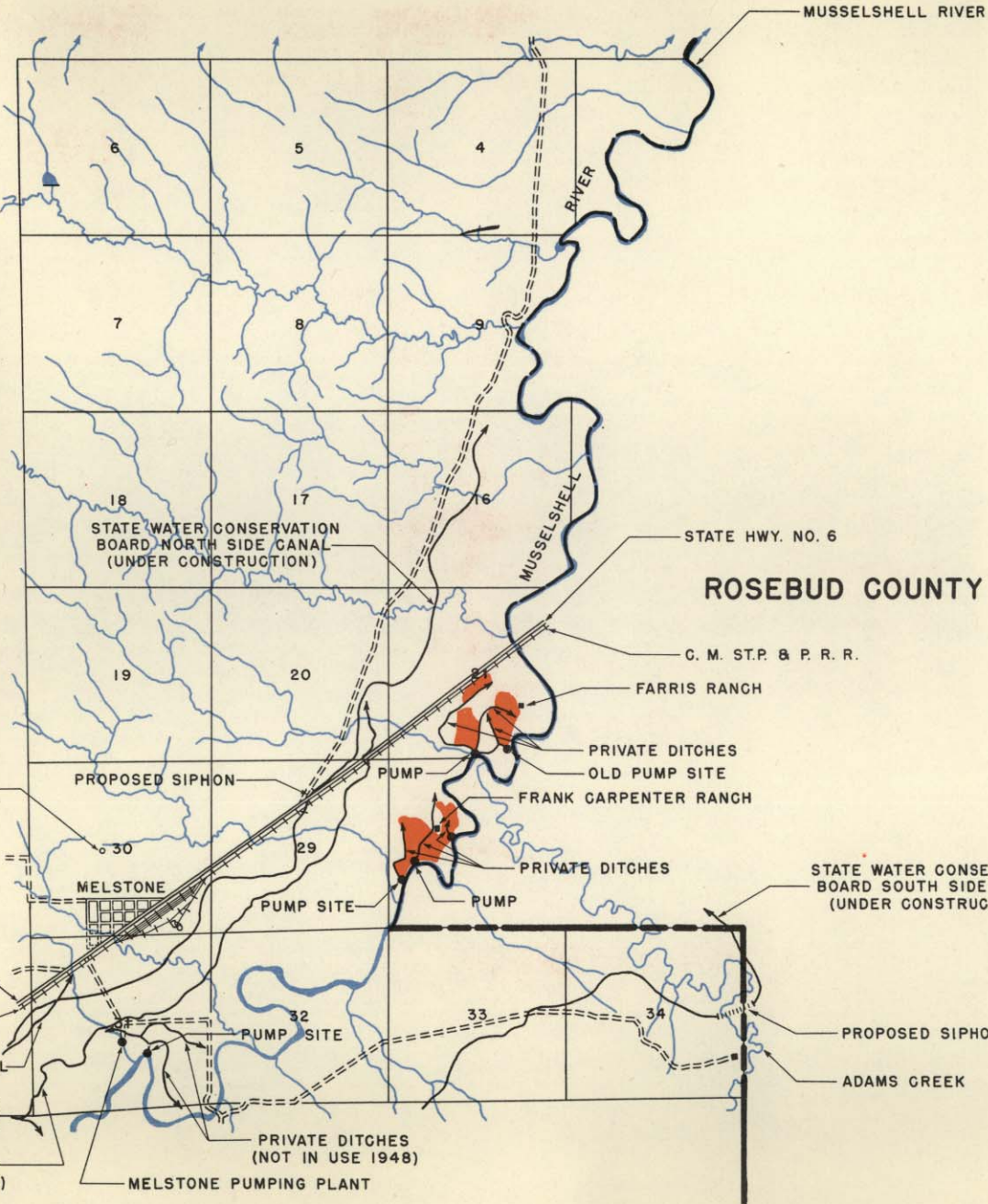
STATE WATER CONSERVATION BOARD NORTH SIDE CANAL (UNDER CONSTRUCTION)

PROPOSED SIPHON

MUSSELSHELL DITCH CO. CANAL OBLITERATED BY NEW CONSTRUCTION OF STATE WATER CONSERVATION BOARD NORTH SIDE CANAL

LEGEND

- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- PAVED HIGHWAY
- RAILROADS
- RESERVOIRS



ROSEBUD COUNTY

STATE WATER CONSERVATION BOARD NORTH SIDE CANAL (UNDER CONSTRUCTION)

STATE HWY. NO. 6

C. M. ST.P. & P. R. R.

FARRIS RANCH

PRIVATE DITCHES

OLD PUMP SITE

FRANK CARPENTER RANCH

PRIVATE DITCHES

STATE WATER CONSERVATION BOARD SOUTH SIDE CANAL (UNDER CONSTRUCTION)

PROPOSED SIPHON

ADAMS CREEK

MELSTONE WATER TANK

PROPOSED SIPHON

PUMP

MELSTONE

PUMP SITE

PUMP

STATE HWY. NO. 6

C. M. ST.P. & P. R. R.

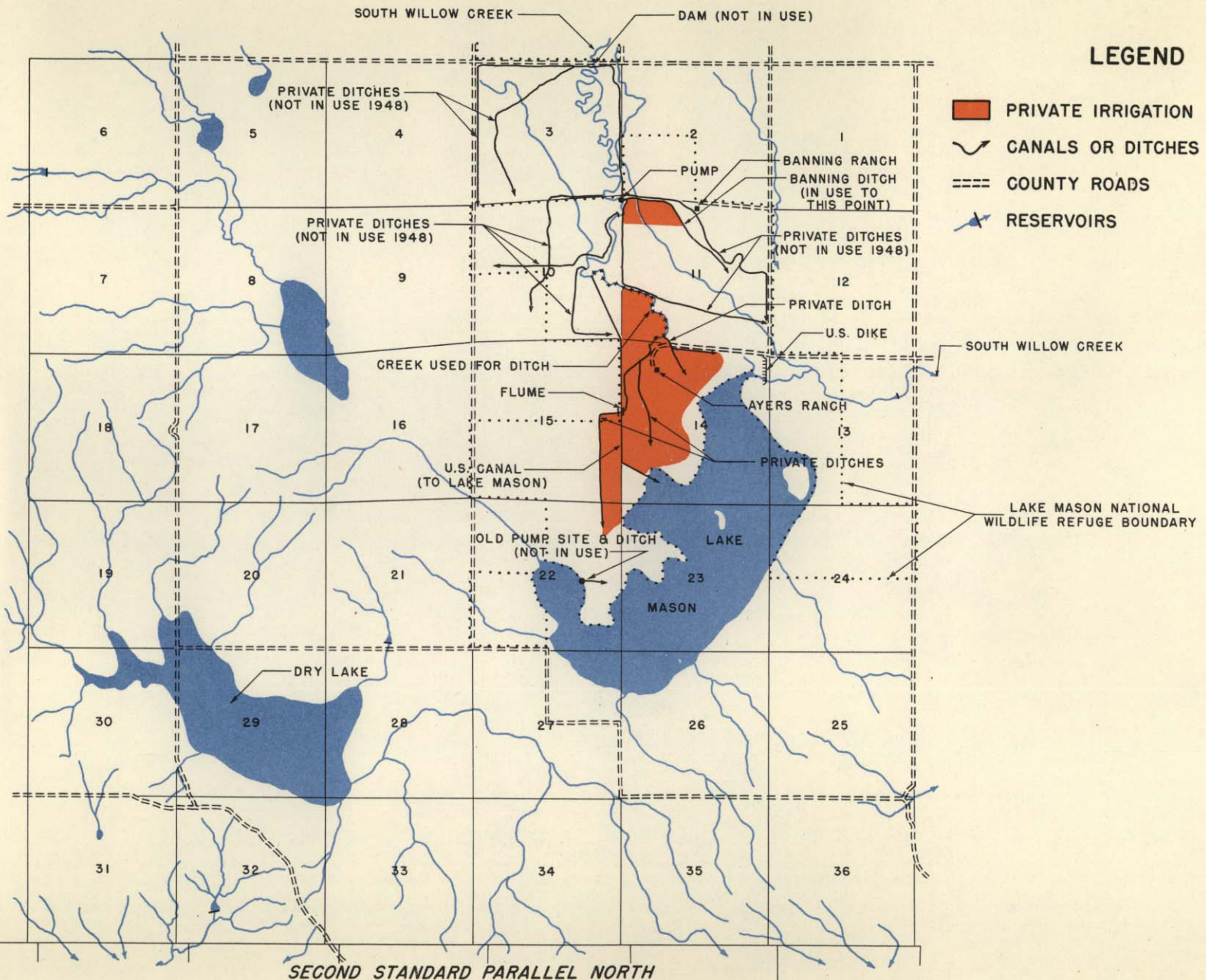
MUSSELSHELL DITCH CO. CANAL (NOT IN USE 1948)

T. 10N-R. 30E
T. 9N-R. 30E

OLD R. L. DITCH (NOT IN USE 1948)

PRIVATE DITCHES (NOT IN USE 1948)

MELSTONE PUMPING PLANT



LEGEND

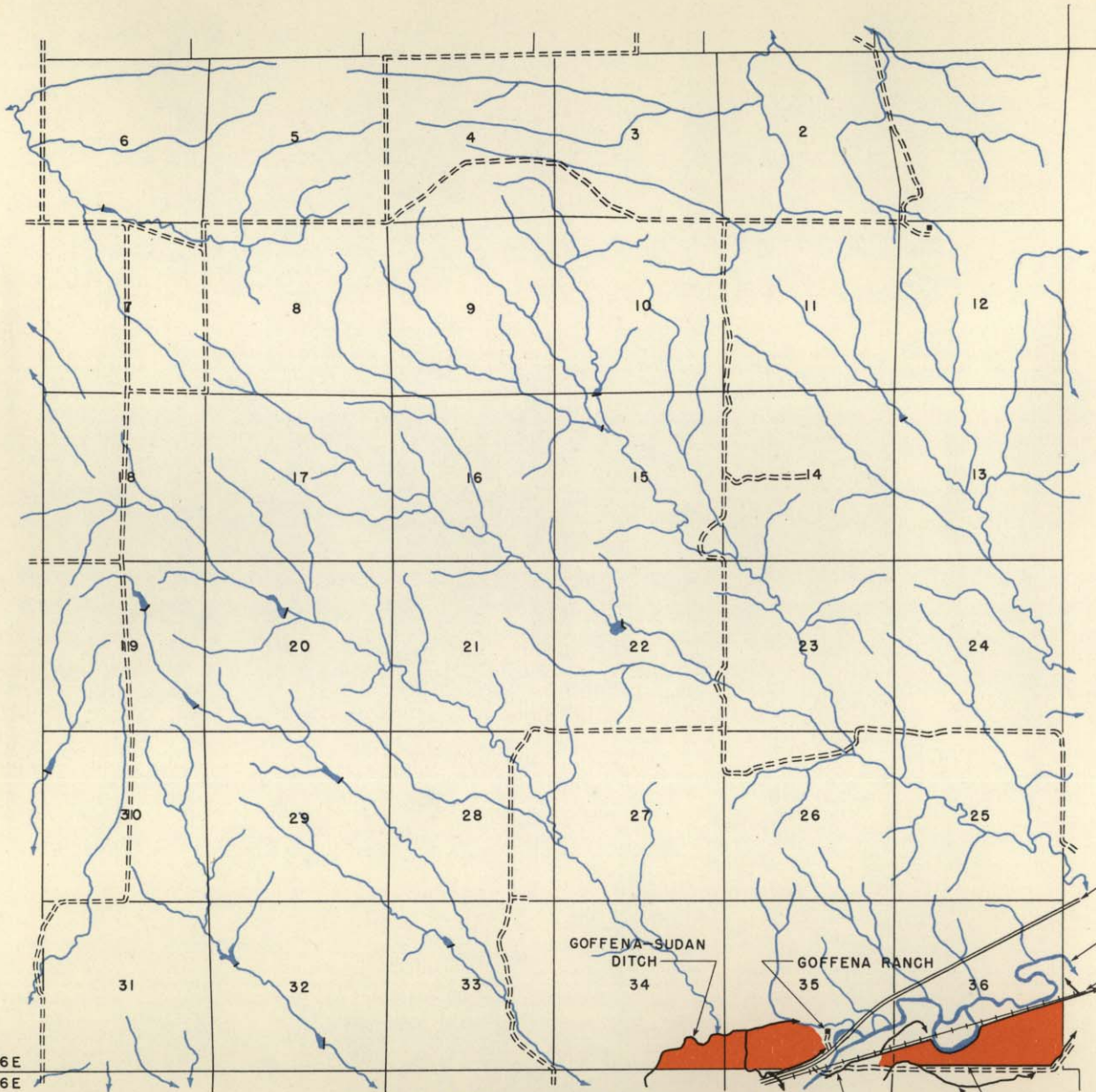
- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- RESERVOIRS

T. 9N-R. 23E
T. 8N-R. 23E

SECOND STANDARD PARALLEL NORTH

LEGEND

- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- PAVED HIGHWAY
- RAILROADS
- RESERVOIRS



STATE HWY. NO. 6

MUSSELSHELL RIVER

C. M. ST.P. & P. R. R.

(NOW GOFFENA DITCH)

GOFFENA-SUDAN
DITCH
34

GOFFENA RANCH
35

36

SECOND STANDARD PARALLEL NORTH

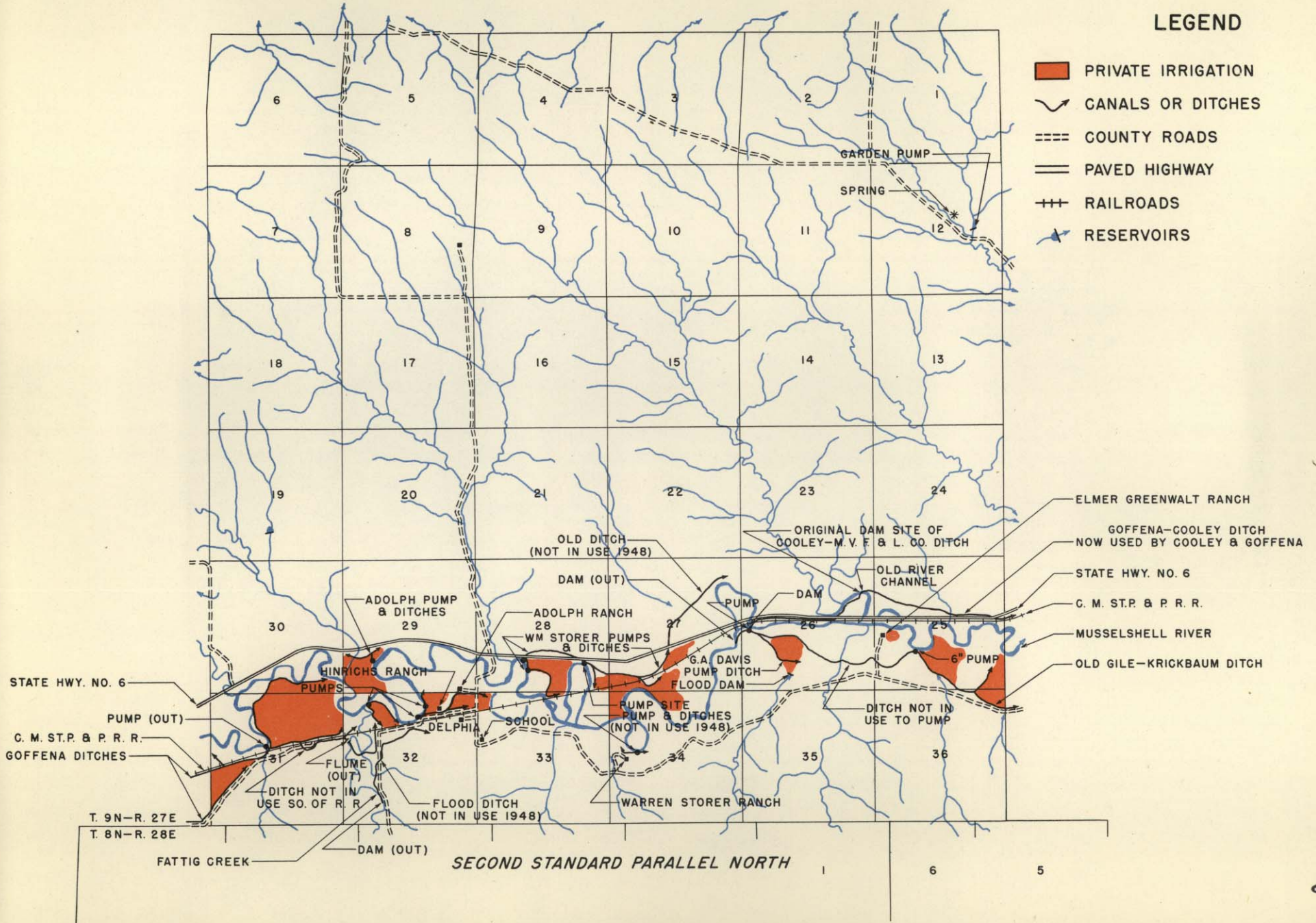
KRUEGER-SPENDIFF DITCH
(NOT IN USE 1948)

6 GOFFENA DITCHES

T. 9N-R. 26E
T. 8N-R. 26E

LEGEND

- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- PAVED HIGHWAY
- RAILROADS
- RESERVOIRS



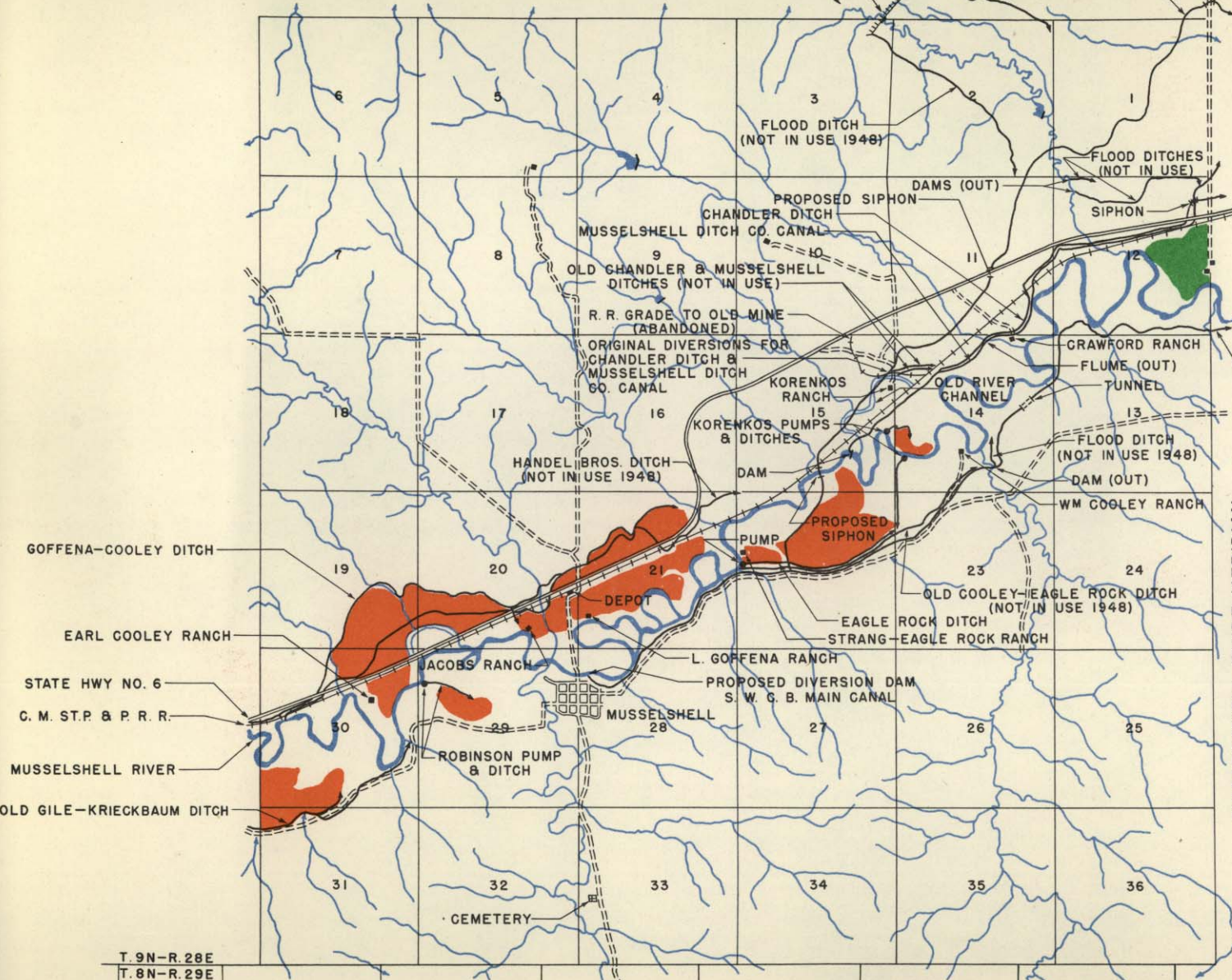
FLOOD DITCH (NOT IN USE 1948)
 DAM & DIKE (DAM OUT)
 MCLEANE COULEE
 STATE WATER CONSERVATION BOARD NORTH SIDE CANAL (UNDER CONSTRUCTION)
 PROPOSED SIPHON

LEGEND

- MUSSELSHELL DITCH COMPANY
- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- DIKES
- PAVED HIGHWAY
- RAILROADS
- RESERVOIRS

STATE WATER CONSERVATION BOARD SOUTH SIDE CANAL (UNDER CONSTRUCTION)

MUSSELSHELL GUIDE MERIDIAN

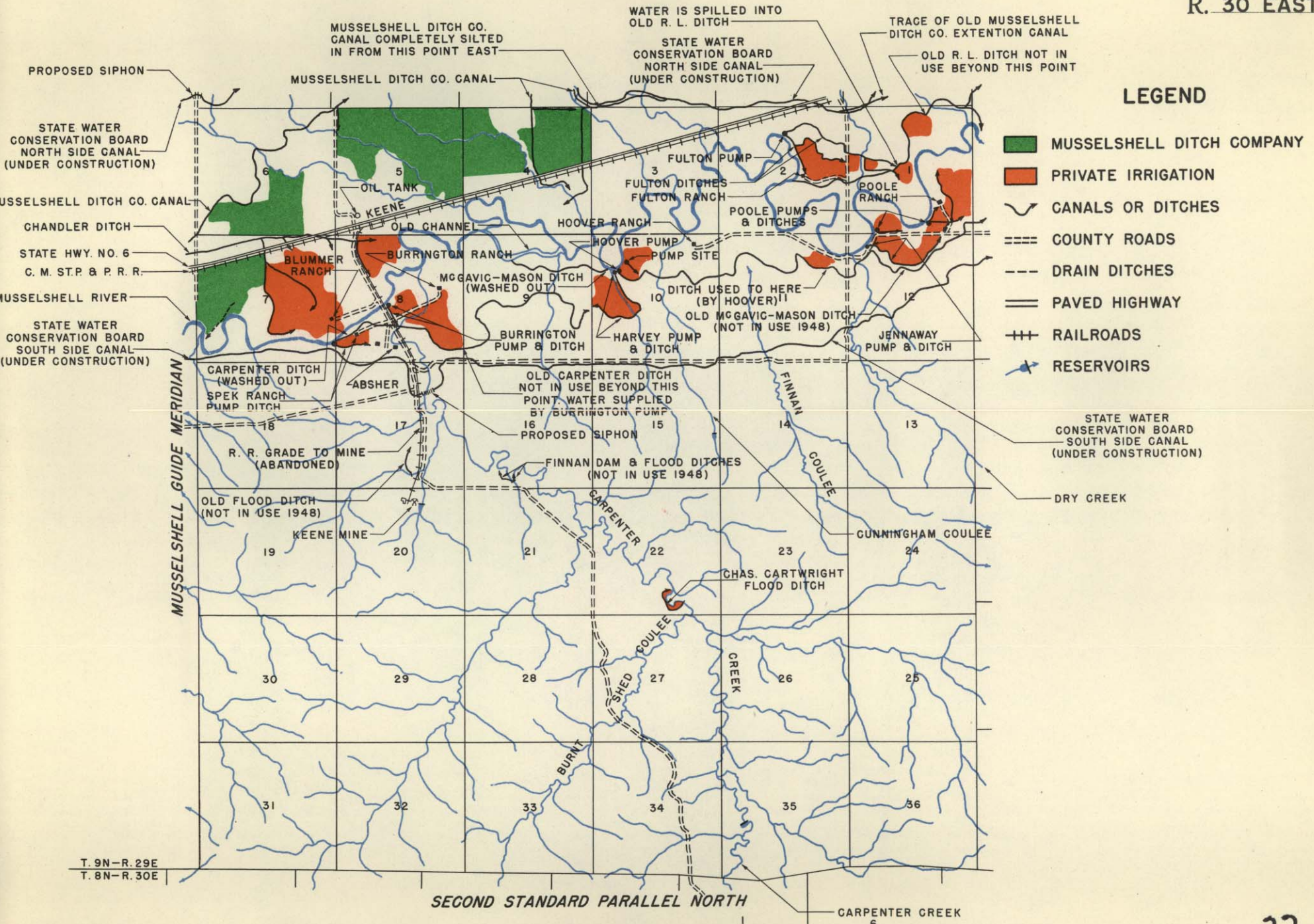


T. 9N-R. 28E
 T. 8N-R. 29E

SECOND STANDARD PARALLEL NORTH

1

6



LEGEND





- MUSSELSHELL DITCH COMPANY
- PRIVATE IRRIGATION
-
-
-
-
-
-

T. 9N-R. 29E
T. 8N-R. 30E

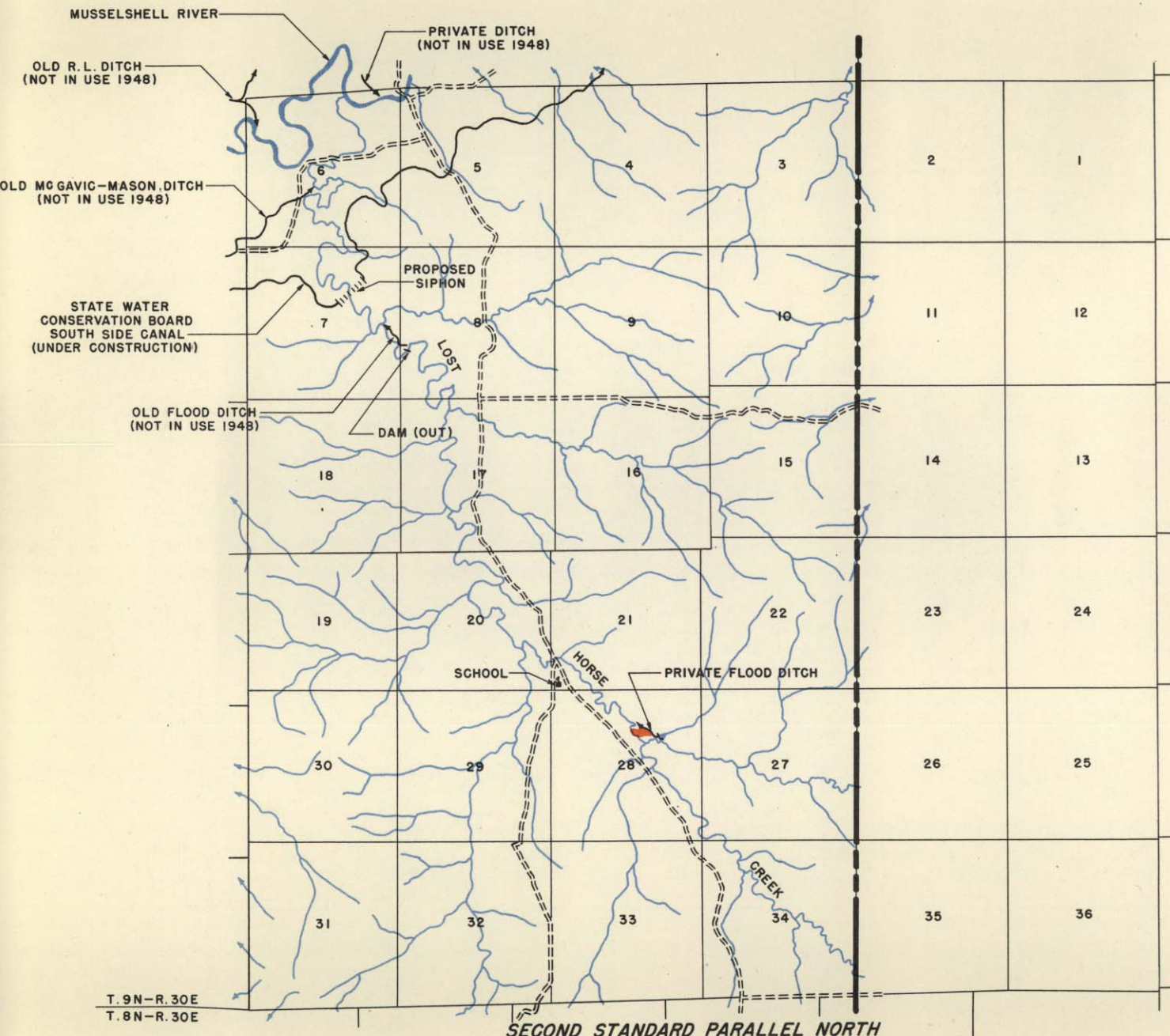
SECOND STANDARD PARALLEL NORTH

CARPENTER CREEK
6

LEGEND

-  PRIVATE IRRIGATION
-  CANALS OR DITCHES
-  COUNTY ROADS
-  RESERVOIRS

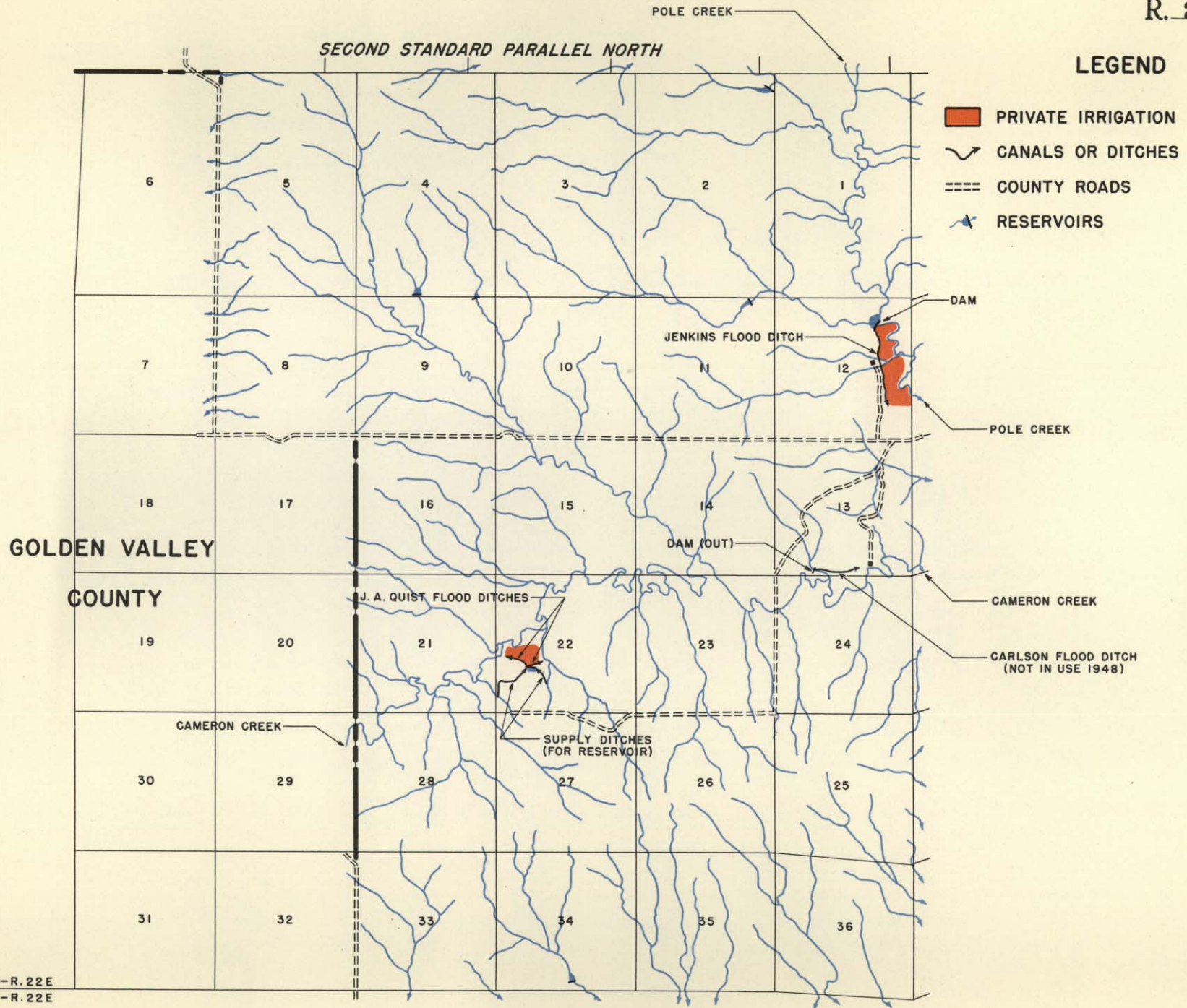
ROSEBUD COUNTY



T. 9N-R. 30E
T. 8N-R. 30E

SECOND STANDARD PARALLEL NORTH





6

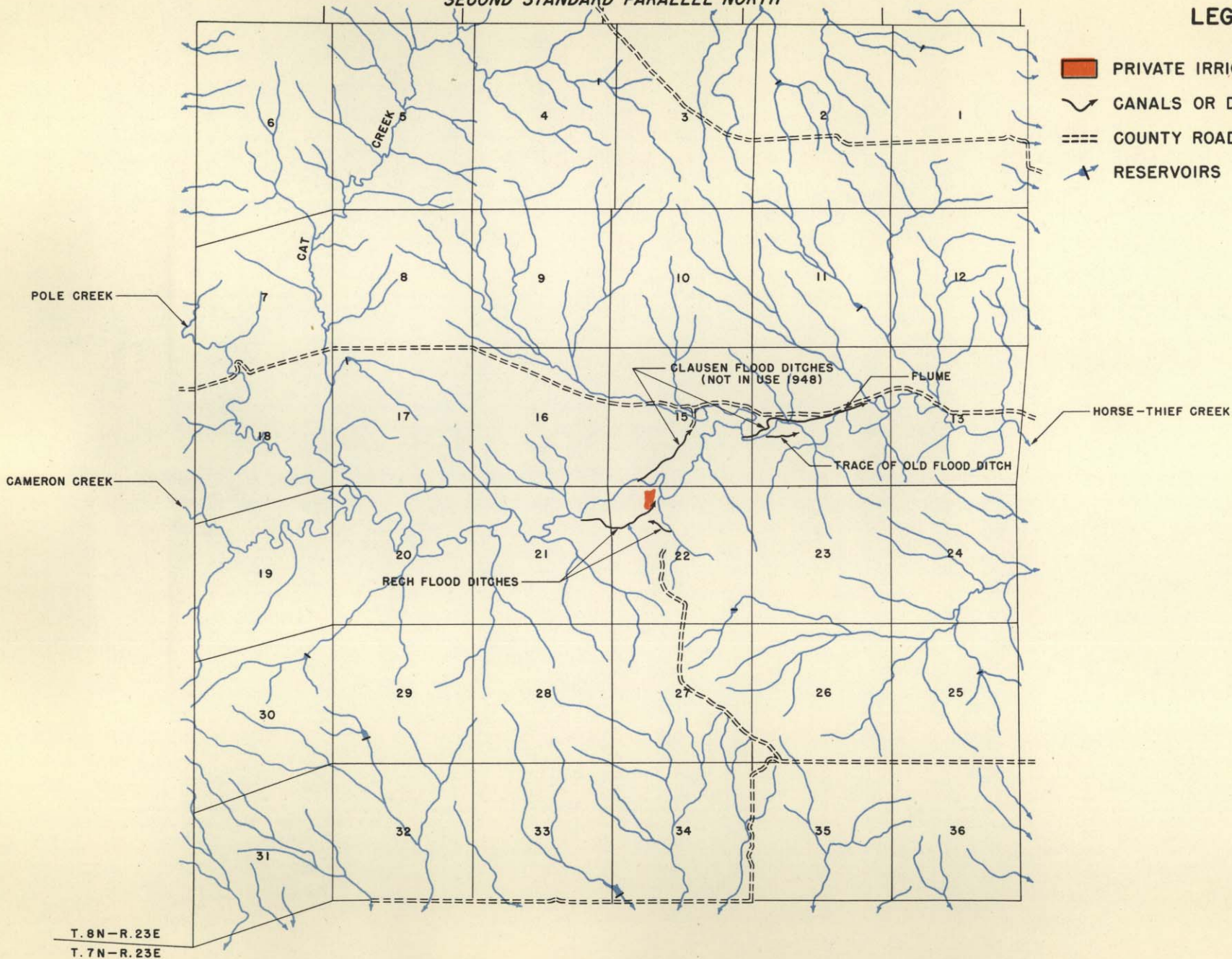


T. 8N-R. 22E
T. 7N-R. 22E

SECOND STANDARD PARALLEL NORTH

LEGEND








-  PRIVATE IRRIGATION
-  CANALS OR DITCHES
-  COUNTY ROADS
-  RESERVOIRS

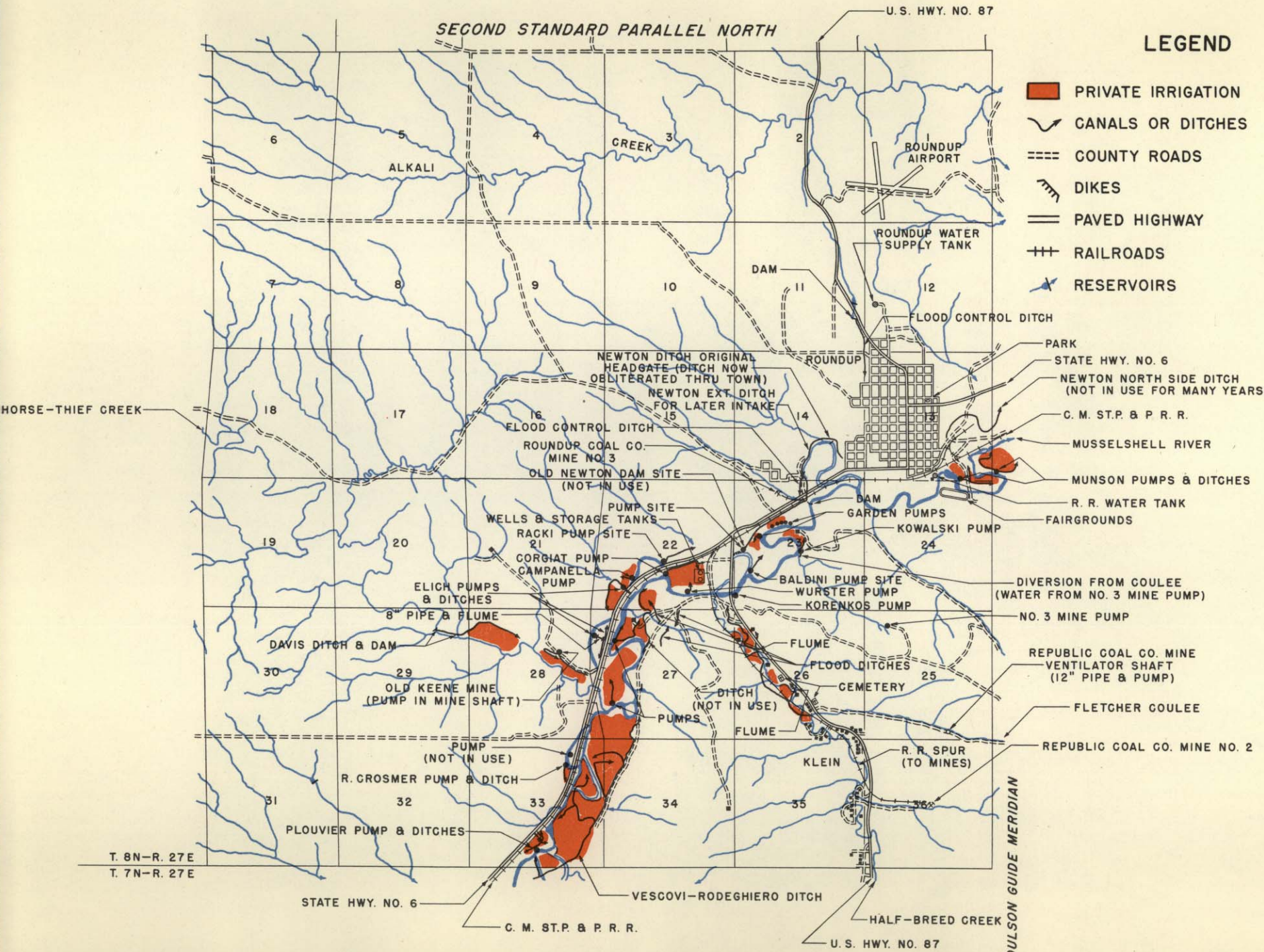


SECOND STANDARD PARALLEL NORTH

U.S. HWY. NO. 87

LEGEND

-  PRIVATE IRRIGATION
-  CANALS OR DITCHES
-  COUNTY ROADS
-  DIKES
-  PAVED HIGHWAY
-  RAILROADS
-  RESERVOIRS



T. 8N-R. 27E
T. 7N-R. 27E

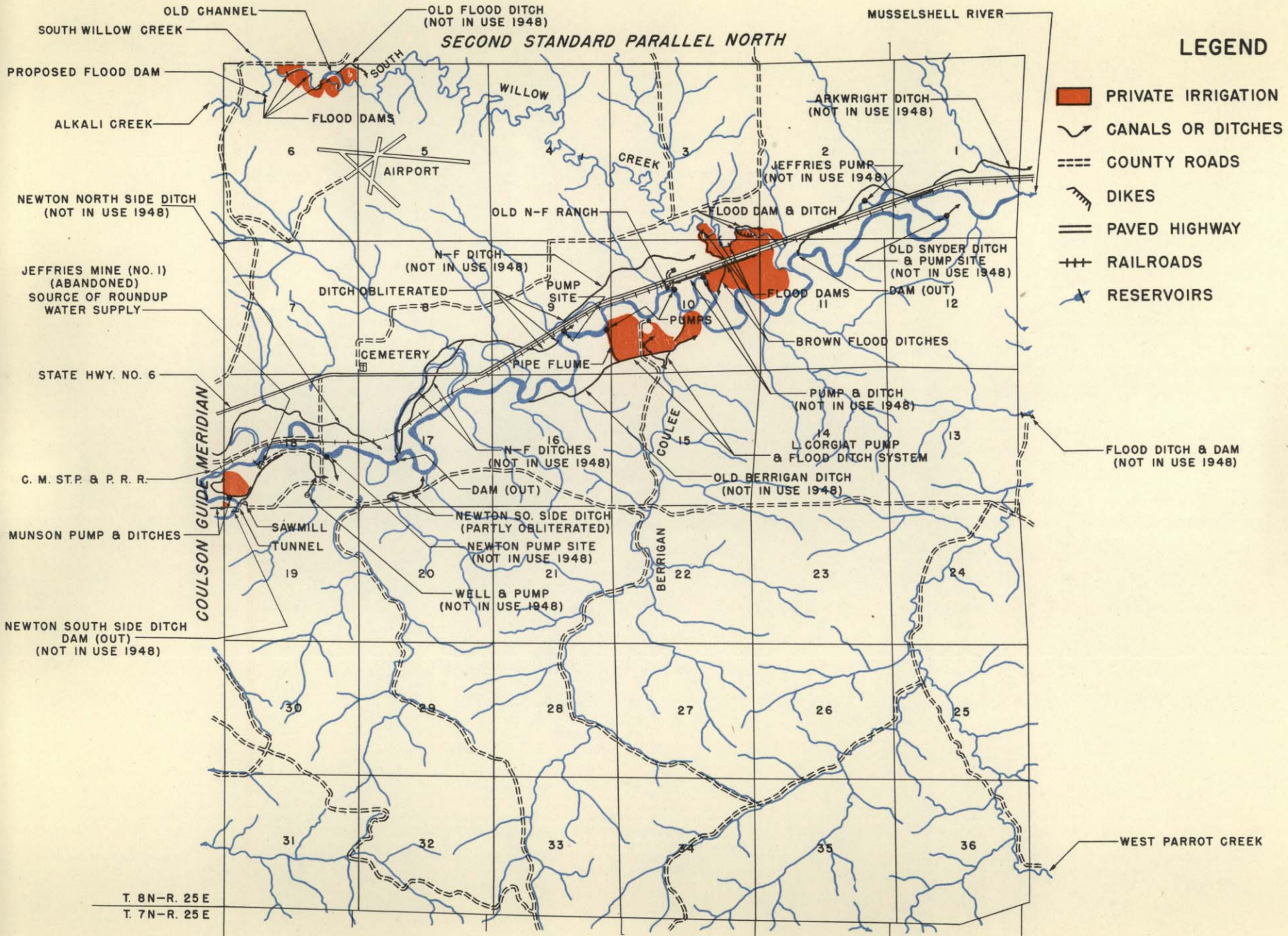
STATE HWY. NO. 6

C. M. ST.P. & P. R. R.

VESCOVI-RODEGHIERO DITCH

U.S. HWY. NO. 87

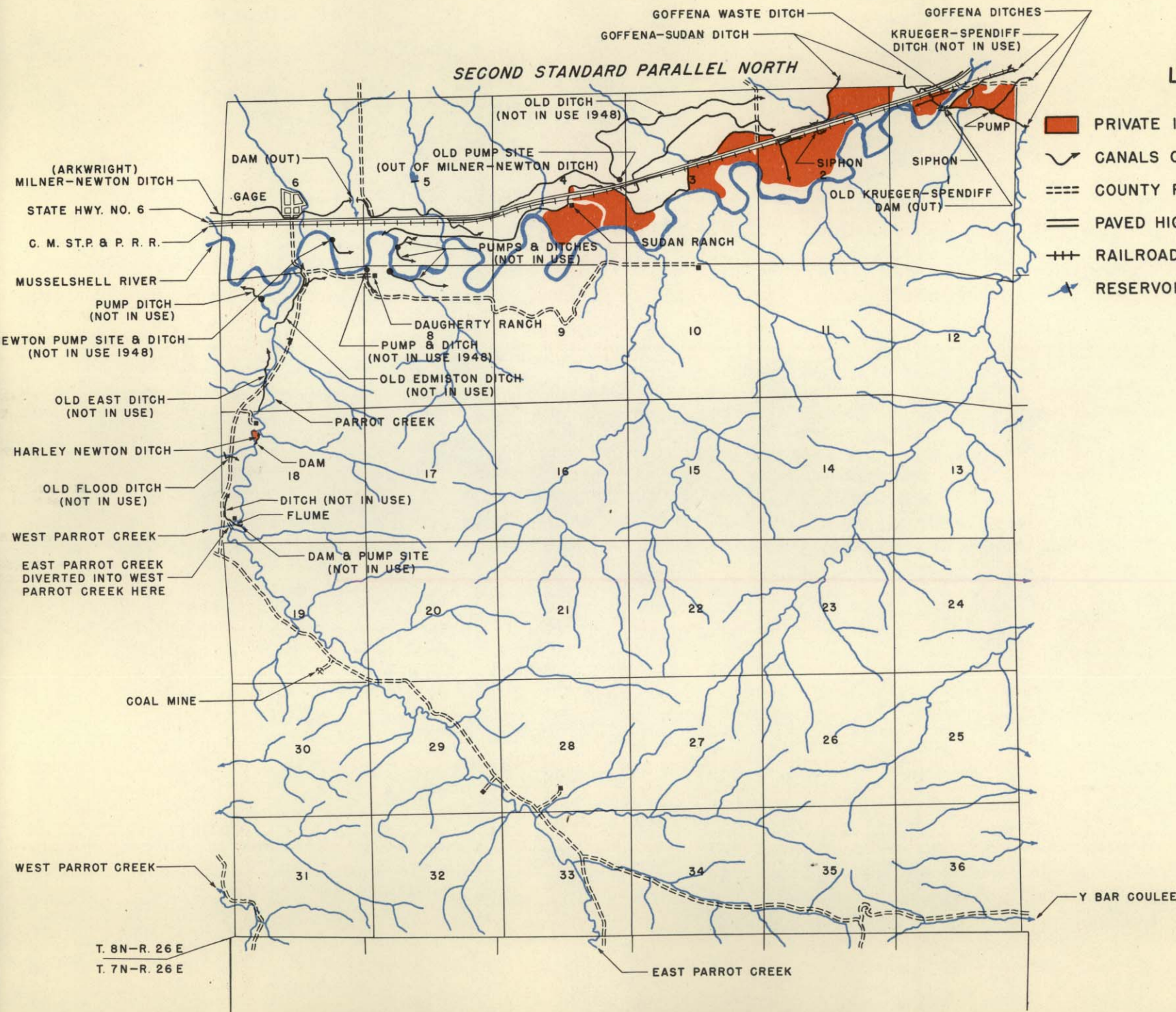
COULSON GUIDE MERIDIAN








SECOND STANDARD PARALLEL NORTH

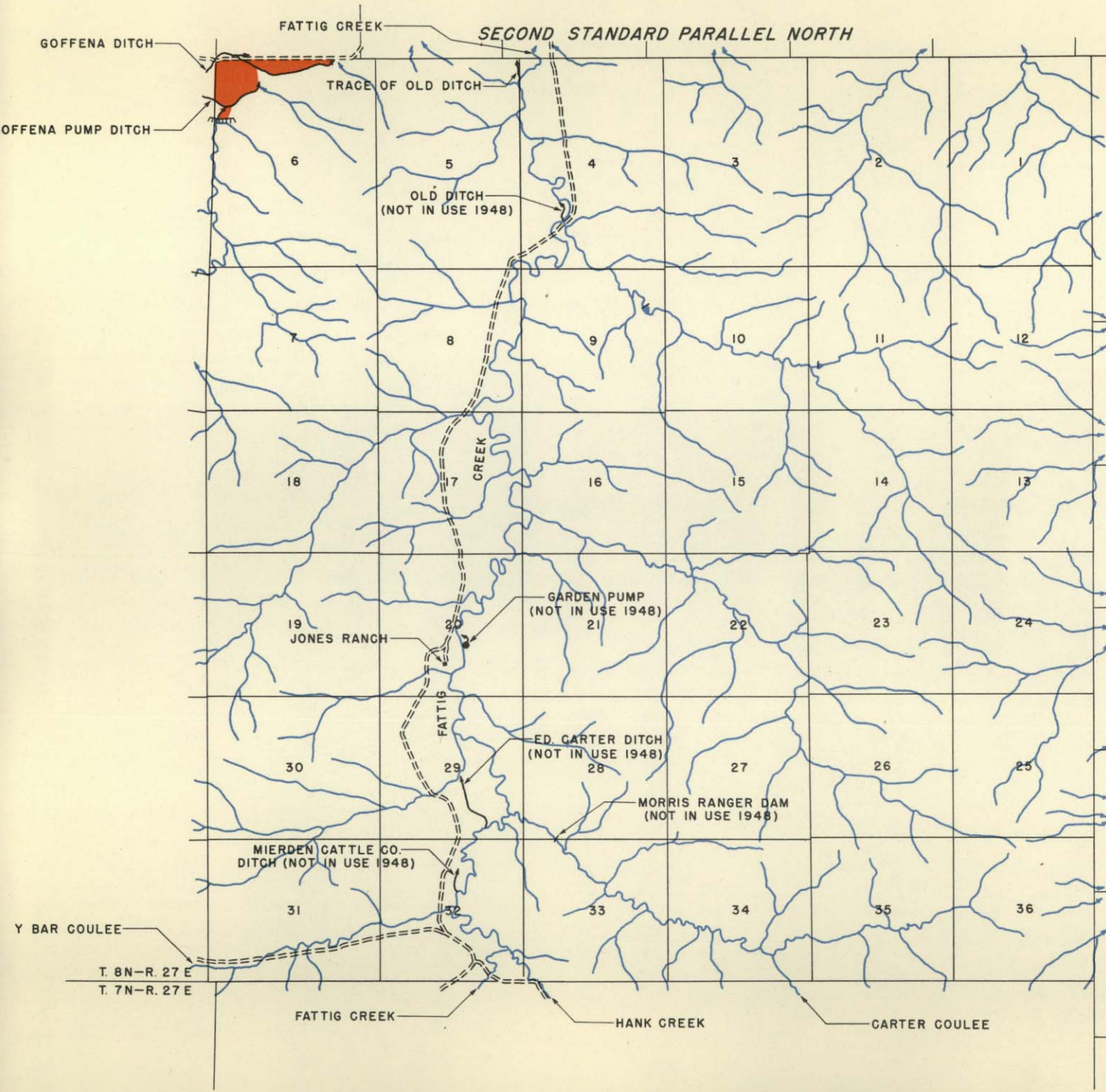
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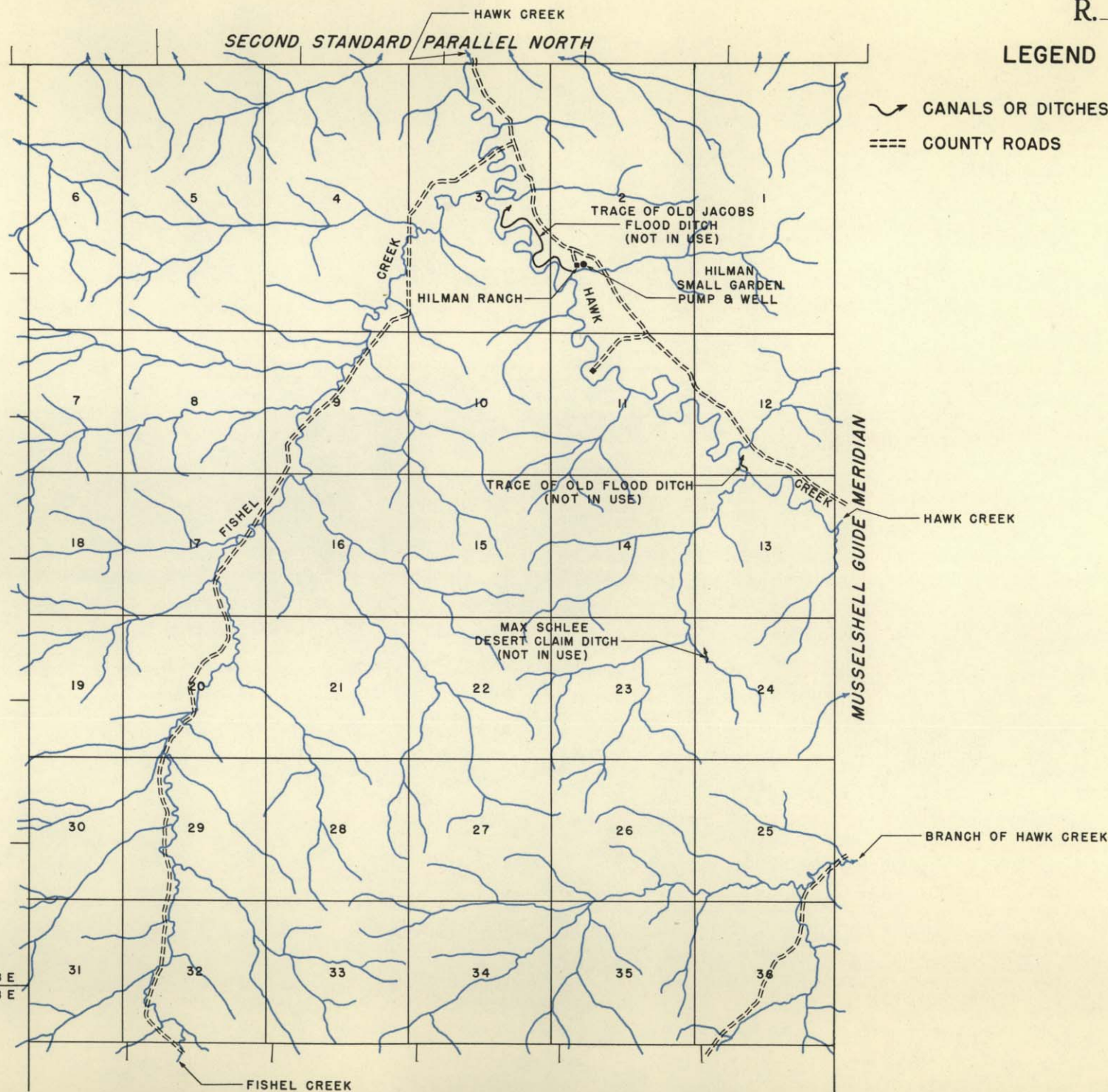
- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- PAVED HIGHWAY
- RAILROADS
- RESERVOIRS



LEGEND

-  PRIVATE IRRIGATION
-  CANALS OR DITCHES
-  COUNTY ROADS
-  DIKES
-  RESERVOIRS





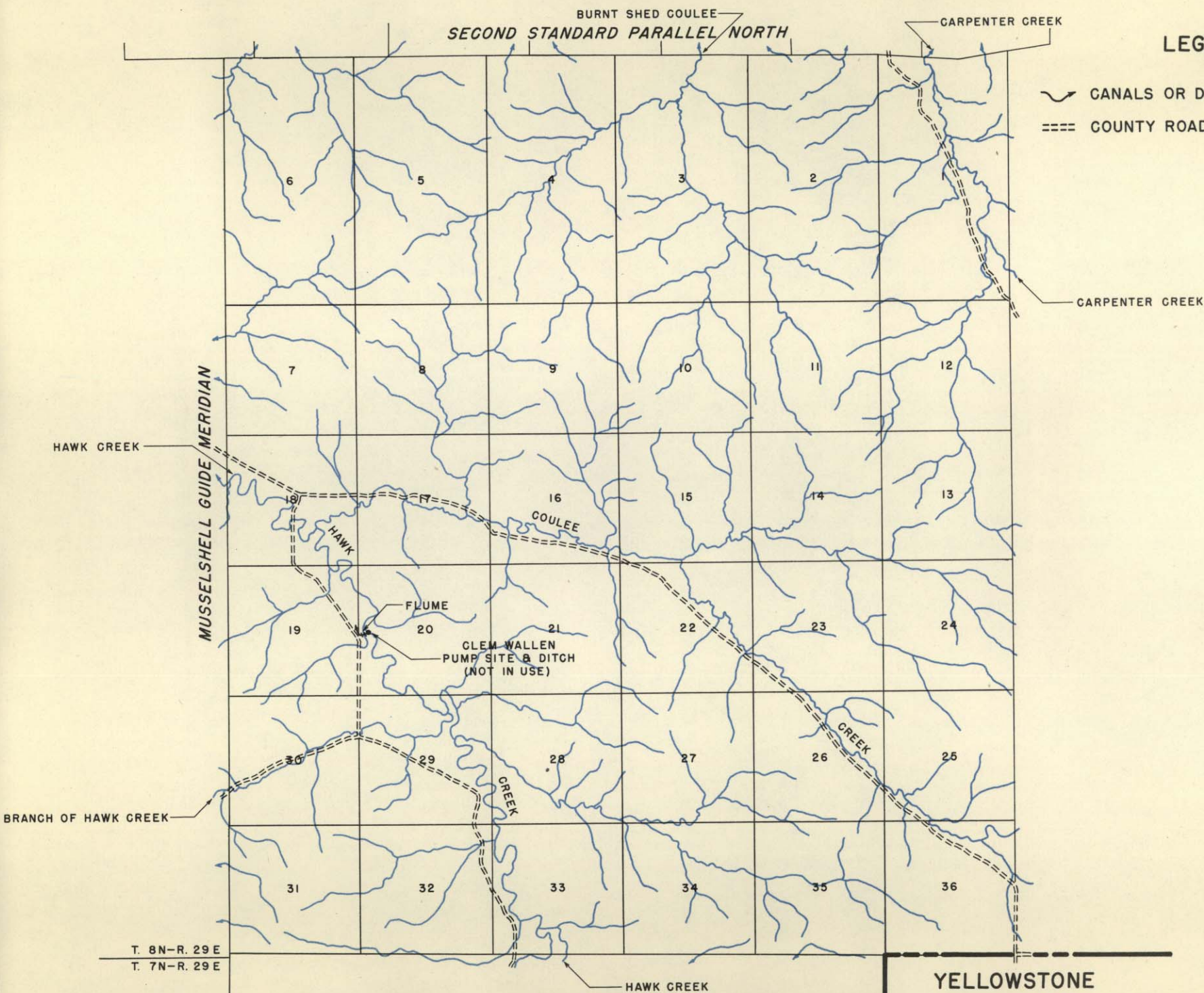


LEGEND

- CANALS OR DITCHES
- COUNTY ROADS

LEGEND

-  CANALS OR DITCHES
-  COUNTY ROADS

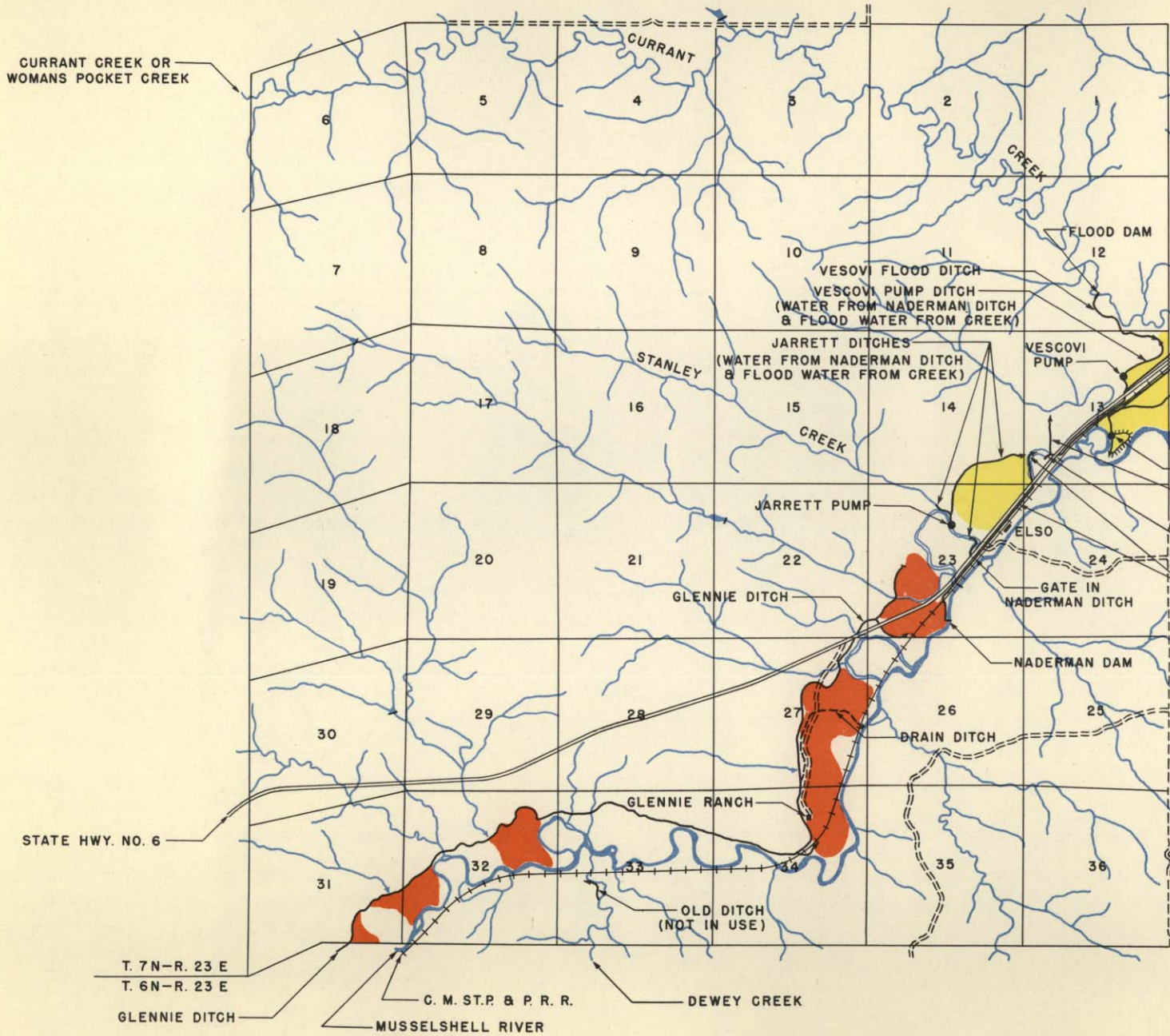


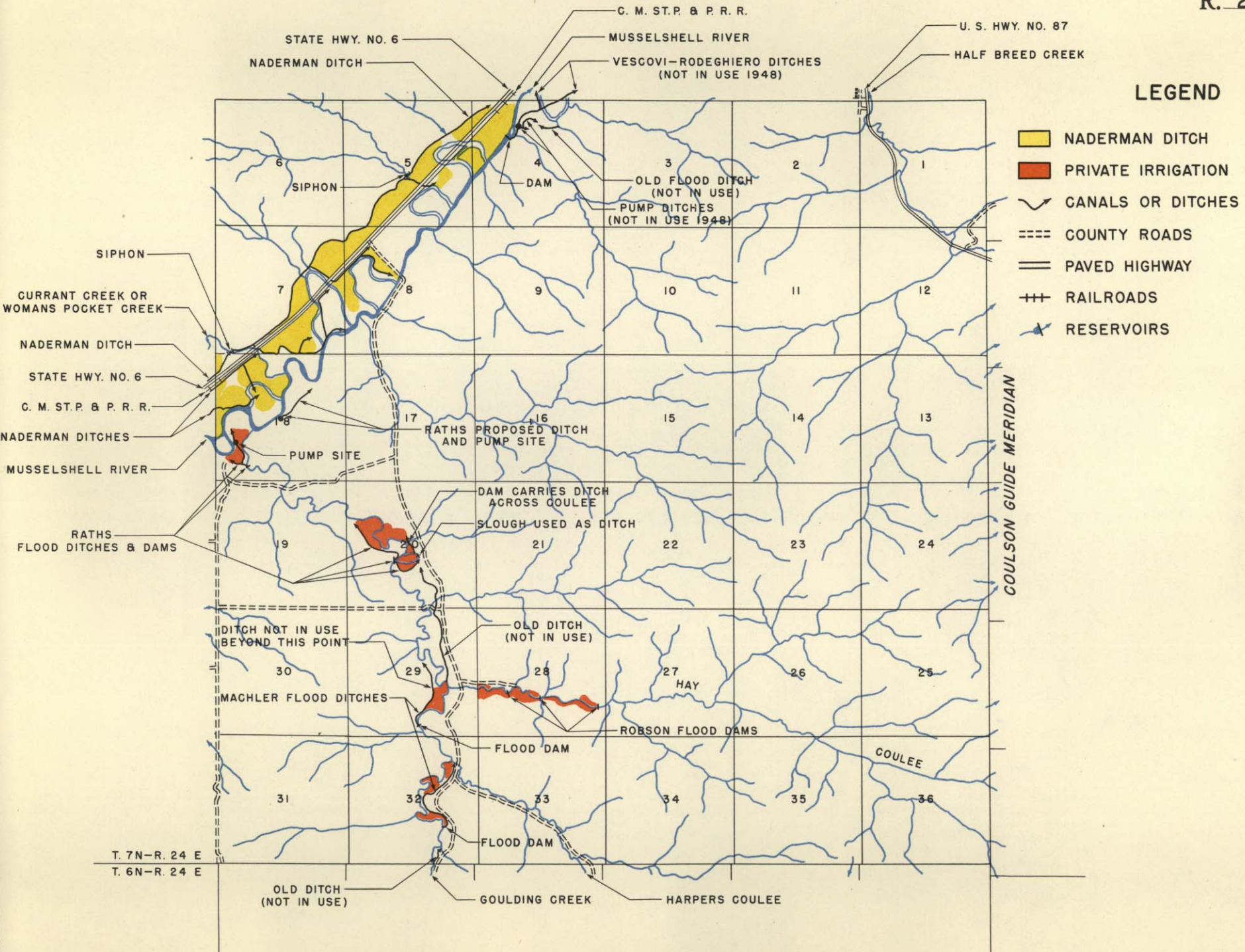
T. 8N-R. 29E
T. 7N-R. 29E

YELLOWSTONE
COUNTY






LEGEND

- NADERMAN DITCH
- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- DIKES
- DRAIN DITCHES
- PAVED HIGHWAY
- RAILROADS
- RESERVOIRS
- NADERMAN DITCHES
- MUSSELSHELL RIVER
- N. J. RATHS PUMP
- JARRETT DITCH (NOT IN USE 1948)
- NADERMAN DAM
- NADERMAN DITCH (DIVERTS WATER INTO OLD CHANNEL)









LEGEND

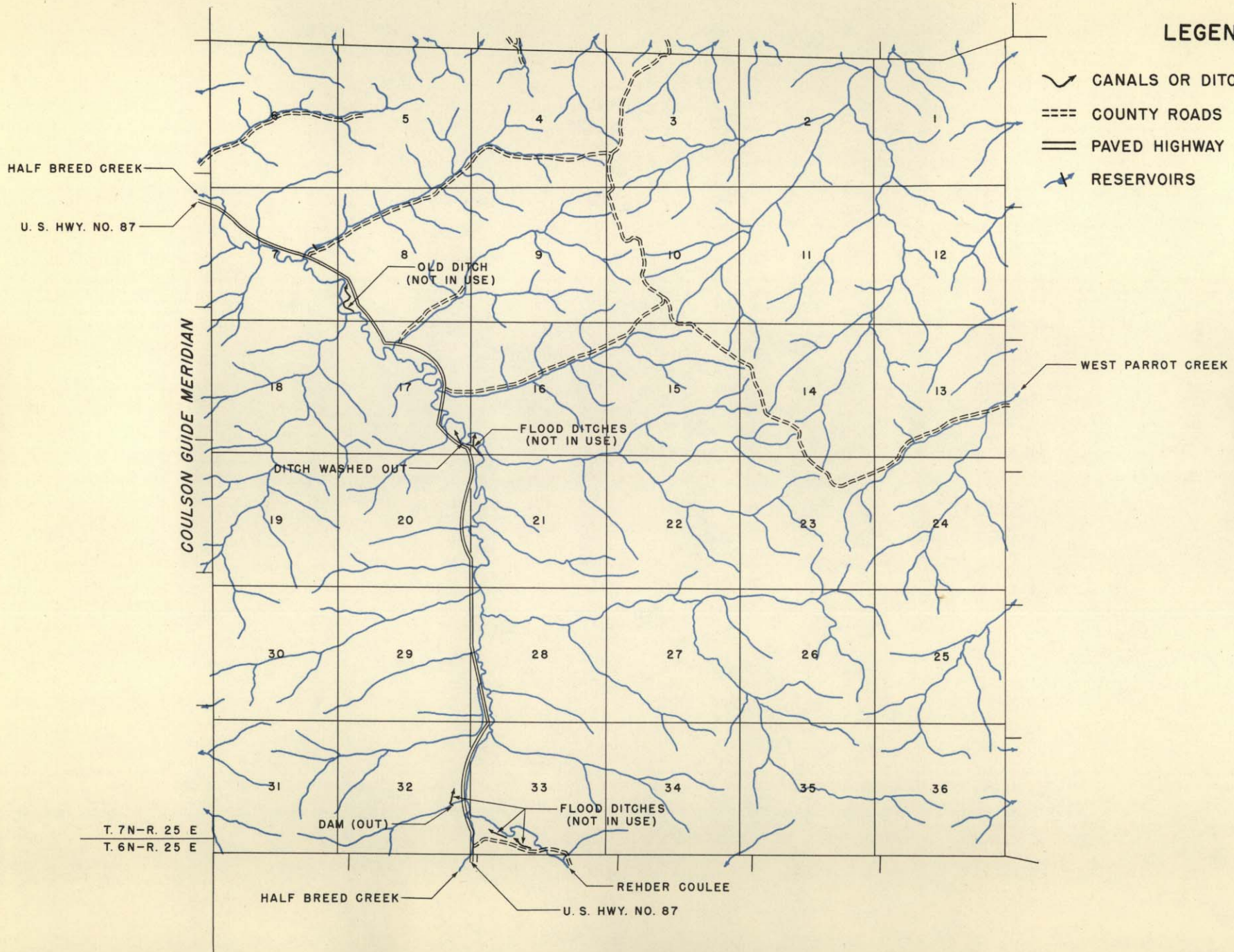
- NADERMAN DITCH
- PRIVATE IRRIGATION
-  CANALS OR DITCHES
-  COUNTY ROADS
-  PAVED HIGHWAY
-  RAILROADS
-  RESERVOIRS

COULSON GUIDE MERIDIAN

T. 7N-R. 24 E
T. 6N-R. 24 E

LEGEND

-  CANALS OR DITCHES
-  COUNTY ROADS
-  PAVED HIGHWAY
-  RESERVOIRS





T. 7N-R. 25 E
T. 6N-R. 25 E

WEST PARROT CREEK

EAST PARROT CREEK

LEGEND

-  CANALS OR DITCHES
-  COUNTY ROADS

WEST PARROT CREEK

FATTIG CREEK

WESCOTT DESERT CLAIM DITCH
(PLOWED UNDER)

DESERT CLAIM DITCH
(NOT IN USE)

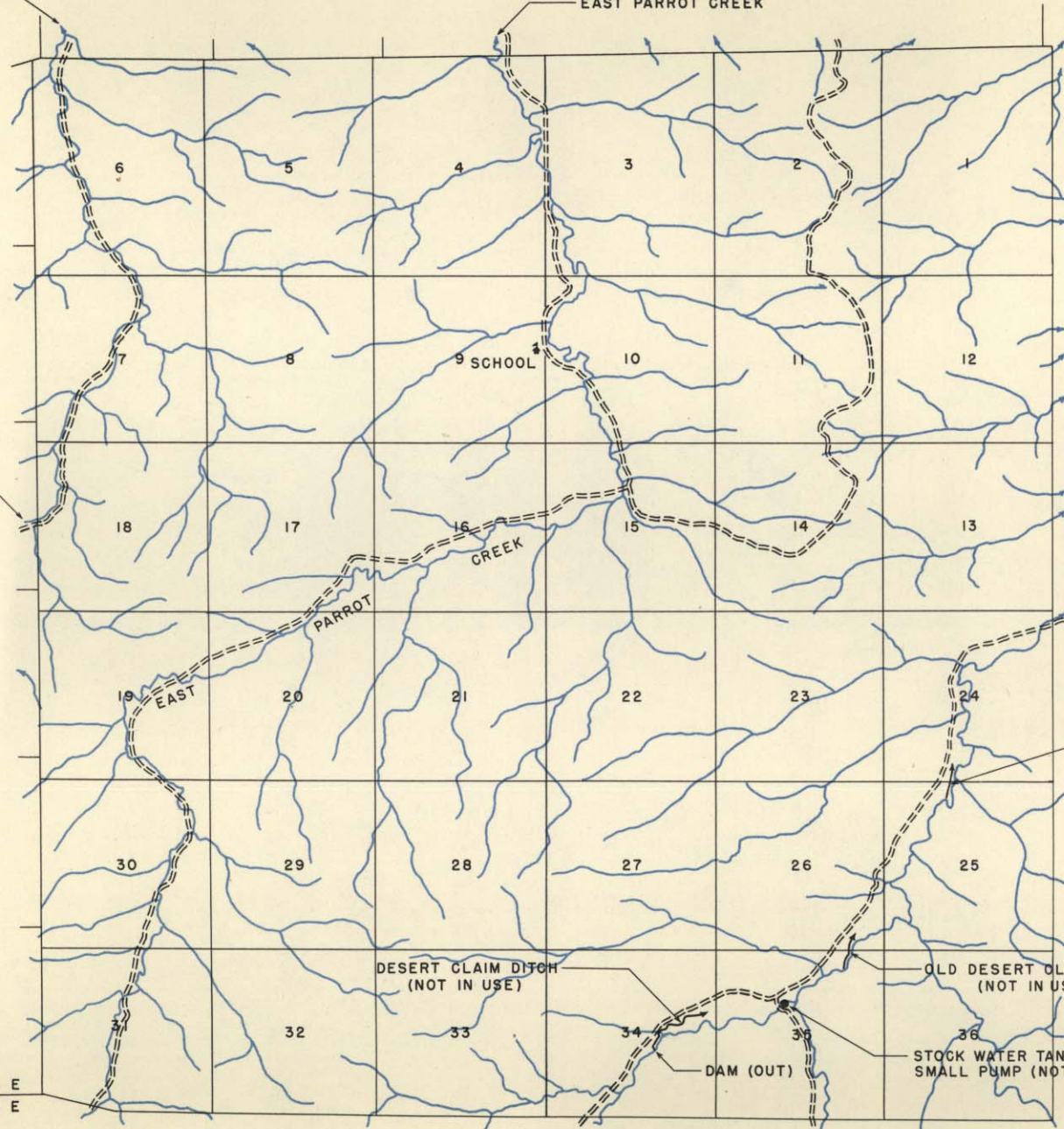
OLD DESERT CLAIM DITCH
(NOT IN USE)

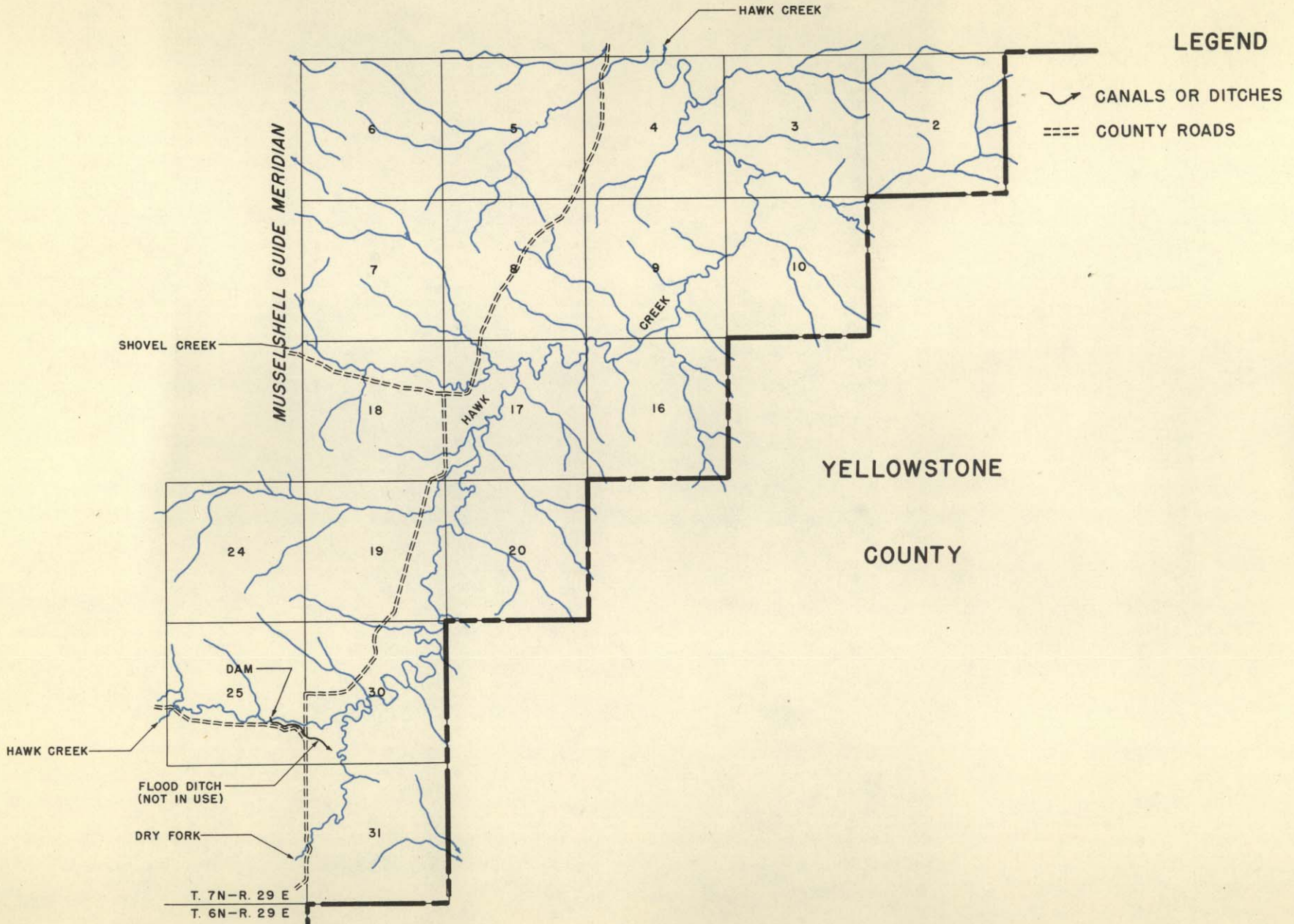
STOCK WATER TANK & WELL
SMALL PUMP (NOT IN USE)

DAM (OUT)



FATTIG CREEK

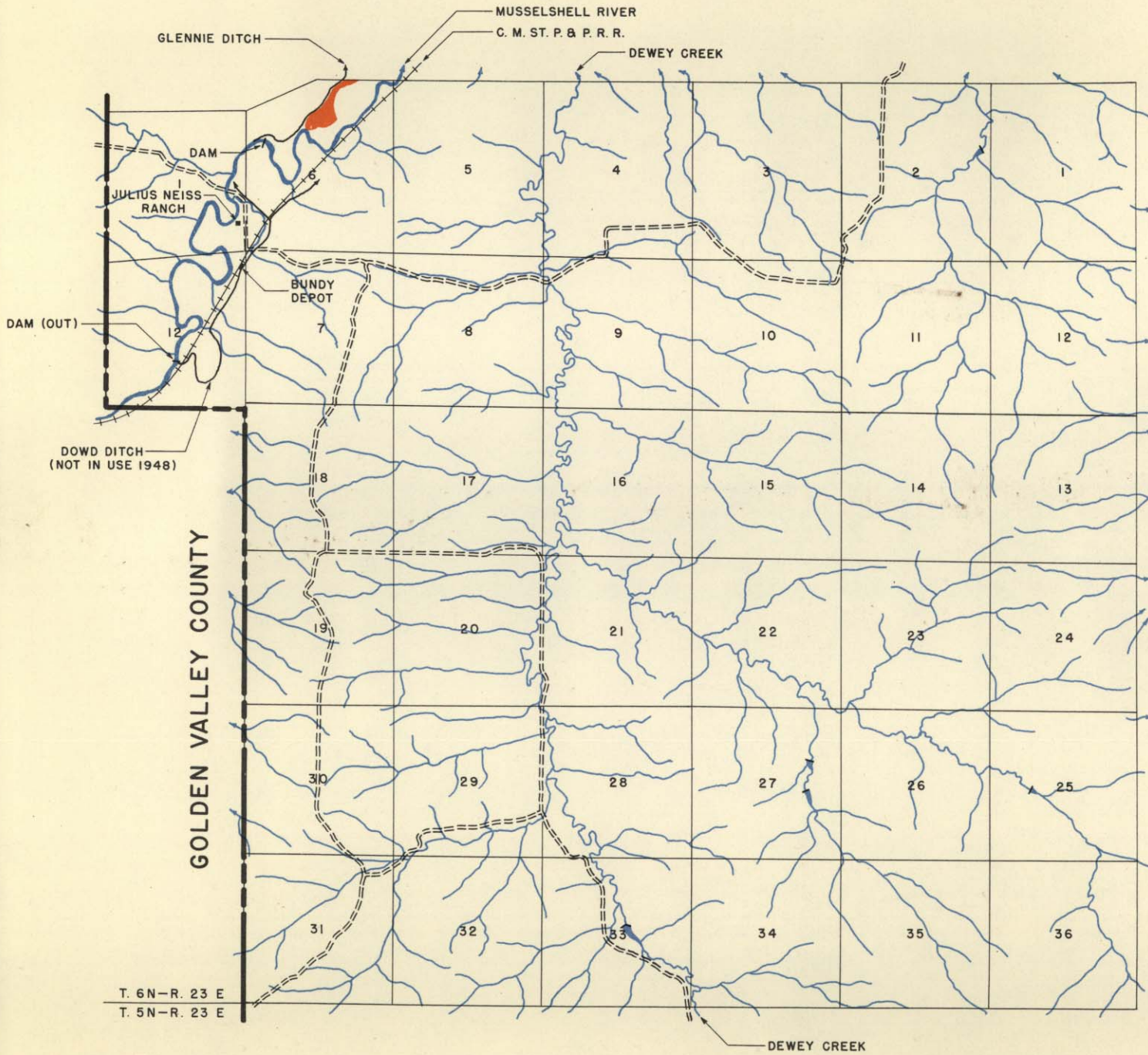
T. 7N-R. 26 E
T. 6N-R. 26 E





LEGEND

-  CANALS OR DITCHES
-  COUNTY ROADS







LEGEND

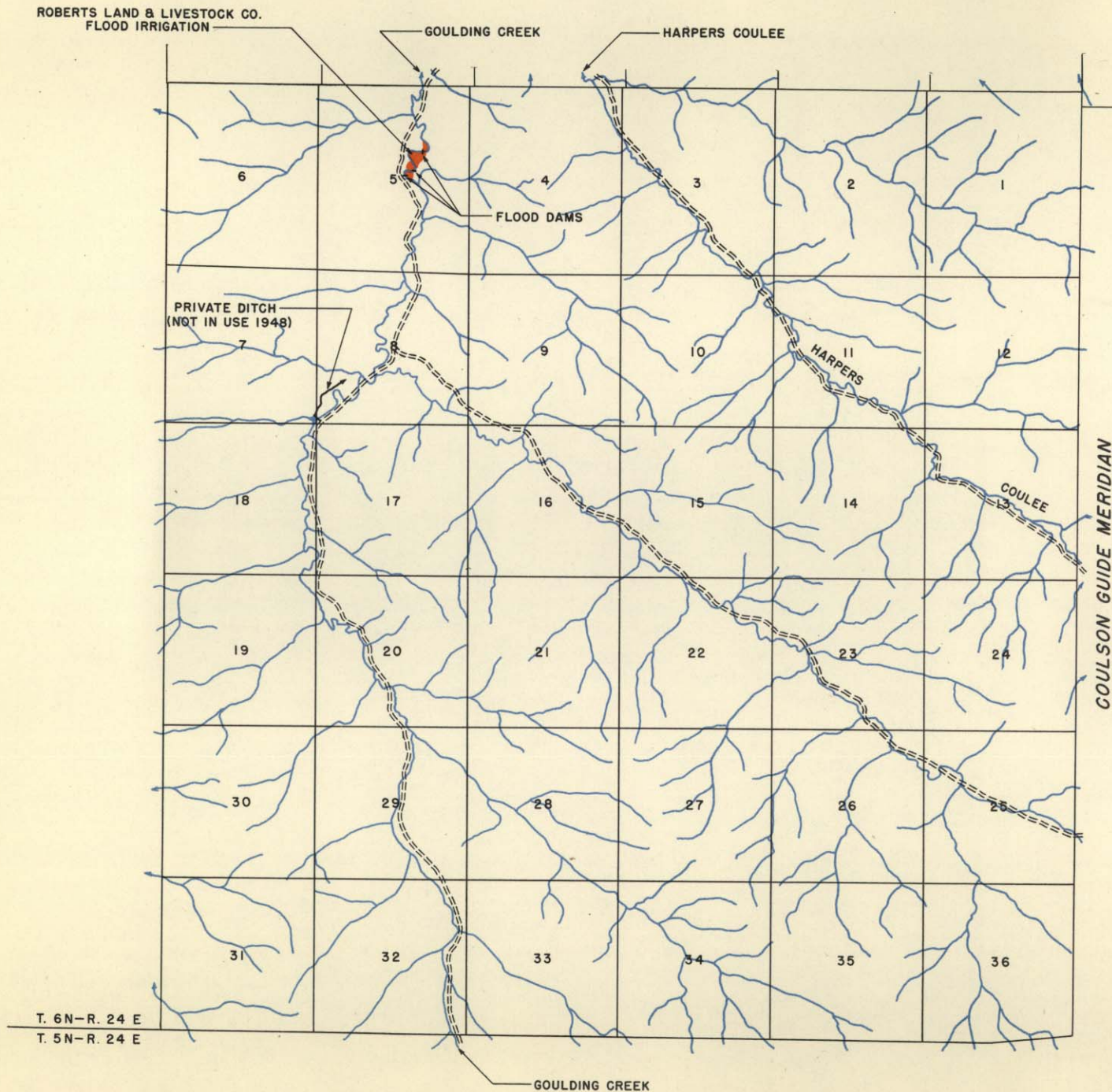
- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- RAILROADS
- RESERVOIRS

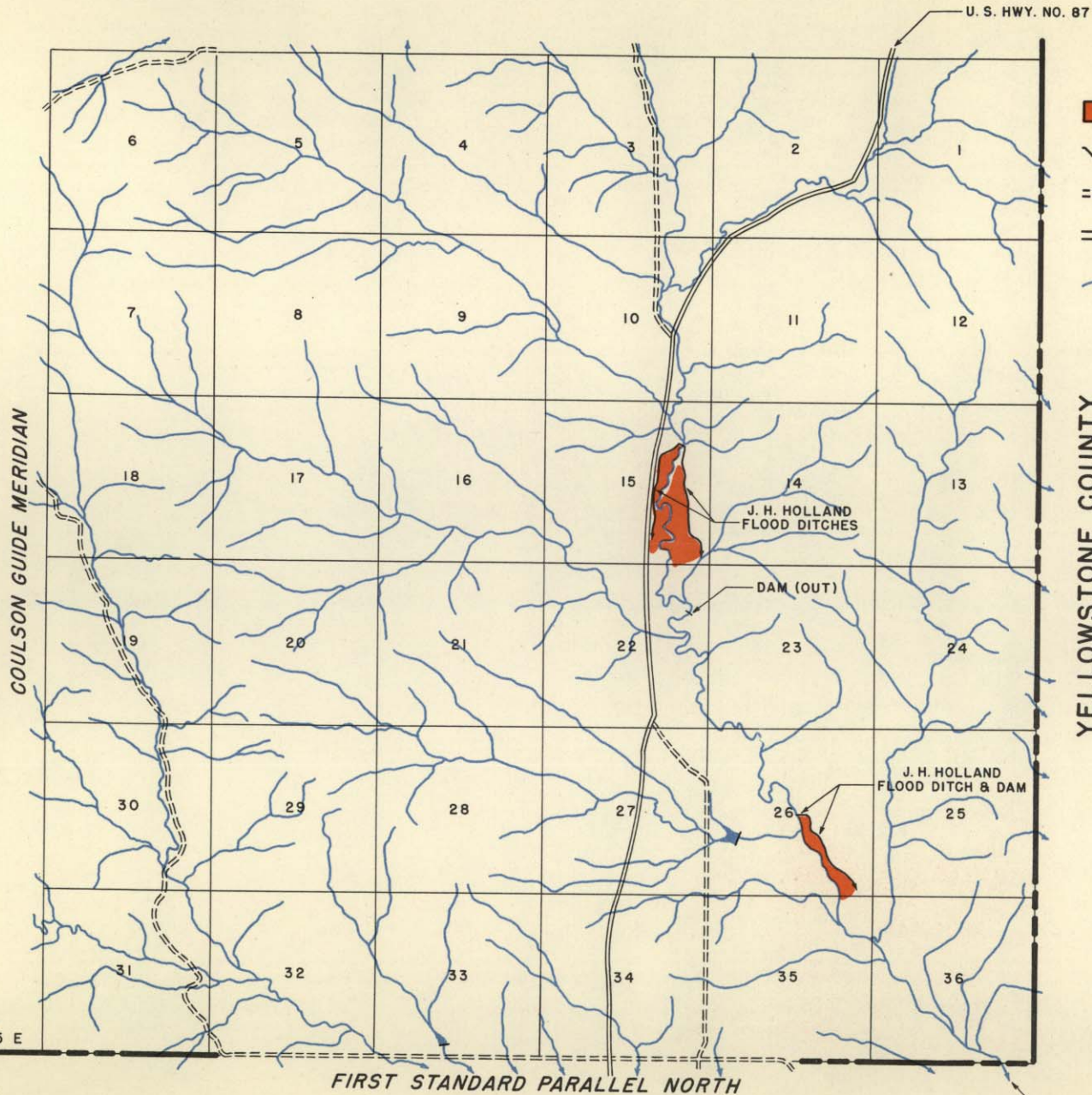
GOLDEN VALLEY COUNTY

T. 6N-R. 23 E
T. 5N-R. 23 E

LEGEND

-  PRIVATE IRRIGATION
-  CANALS OR DITCHES
-  COUNTY ROADS
-  RESERVOIRS





LEGEND

- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- PAVED HIGHWAY
- RESERVOIRS

YELLOWSTONE COUNTY

COULSON GUIDE MERIDIAN

T. 5N-R. 25 E

FIRST STANDARD PARALLEL NORTH

YELLOWSTONE COUNTY

RAZOR CREEK