



ROY AGUILLARD
DIRECTOR

State of Louisiana
DEPARTMENT OF PUBLIC WORKS
P. O. BOX 44155, CAPITOL STATION
BATON ROUGE, LOUISIANA 70804

February 15, 1974

BOARD OF PUBLIC WORKS
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Mr. Oliver P. Stockwell
Special Assistant Attorney General
State of Louisiana
Post Office Box 2900
Lake Charles, Louisiana 70601

Re: Texas vs. Louisiana
Determination of Sabine River Boundary
Between the 30th and 32nd Parallels
of North Latitude

Dear Mr. Stockwell:

Submitted herewith is a summary of my findings in the matter of locating the geographic middle of the Sabine River between the 30th and 32nd parallels of north latitude. Basically, the problem is that of correcting the river boundary as shown on the quadrangle maps listed in Mr. Thomas Black's letter to you dated December 14, 1973, also listed in my letter to you dated January 8, 1974, to conform to the best information available to the representatives of both states. Because of conflicting data there are, as you know, several places where the location of the boundary is in dispute.

In order to correctly locate the river channel we must first determine if slow and imperceptible changes, i.e., accretion, erosion, etc., brought the river to its present location and, second, whether avulsions occurred, such as natural or man-made cutoffs and channel rectification in the interests of flood control and navigation. In the latter cases the boundary becomes permanently fixed in the bed of the old channel as of the date of the cutoff, while in the former case the boundary moves with the meanderings of the river. All that we have to do is determine which of these events occurred at the places in dispute.

On November 12, 1973, under the signature of Mr. Roy Aguillard, Director of Public Works, I wrote to the District Engineer, U. S. Army Engineer District, Galveston, requesting (1) "the location and date of construction of any cutoffs made by your office in Sabine Pass, Lake, and River below the 32nd parallel of north latitude since 1871 or prior years if available and (2) the location and date of construction of any cutoffs made by private interests on Sabine Pass, Lake, and River under permit from your office since 1871 or prior years if available." This information has not been received as yet, but is expected shortly and should resolve most of our problems. In the case of slow and imperceptible changes in the alignment of the river, the testimony of expert potamologists may be required if agreement cannot be reached.

Mr. Oliver P. Stockwell
Special Assistant Attorney General
State of Louisiana
February 15, 1974
Page 2

In reviewing the so-called agreements tentatively arrived at on December 20, 1973, between Louisiana and Texas fixing the boundary at certain locations, after further investigation I find that the agreed boundary in some places is not in accord with the facts. Therefore, before the location of the geographic middle of the river becomes final, the so-called agreements of December 20, 1973, should be modified to include all areas where doubt exists as to the correct location of the channel.

It was never my understanding that any binding agreement would be made at the meeting on December 20, and I am certain that Mr. Thomas Black, Assistant Attorney General, Texas, was of the same mind. In support of the latter statement, I quote from Mr. Black's letter to you dated December 14, 1973.

Page 4: "We need to discuss an agreement that would protect property owners on both sides of the River before we make a definite binding agreement concerning this boundary line.

Further, any agreement we make will have to recognize that our basic position is as stated at the beginning of this letter and that any agreement we make is recognized not to abandon this position with reference to extending the boundary out into the Gulf."

I did not have a copy of Mr. Black's letter prior to our meeting of December 20, nevertheless I share his concern for protecting the property rights of riparian owners on both sides of the river.

The areas of conflict and my reasons for disagreeing with the position of Texas are as follows:

1. Logansport Quadrangle.

a. West portion of Section 32, Township 11 North, Range 15 West, NWD La. The cutoff portion in question was surveyed in Louisiana by U. S. Deputy Surveyor John Boyd in 1835 and was transferred to the State of Louisiana under the Swamp Lands Act of March 2, 1849. Subsequently, the narrow peninsula created by a sharp bend in the river was severed from Louisiana by a cutoff, either natural or man-made. The origin of the cutoff may be covered by the report of the U. S. Army Engineers, requested by this office on November 12, 1973. The area lies beneath the waters of Toledo Bend Reservoir, and the map of Segment 39 dated July 1, 1964, File No. TB-23-1, shows that the Toledo Bend Authority bought the land as being in Texas. There is absolutely no reason for Louisiana to concede ownership of the cutoff to Texas on the basis of this acquisition, for in many instances the Authority paid claimants on both sides for the same property to avoid costly litigation. The cutoff area is clearly in Louisiana. (Shown as 1a on the attached quadrangle).

Mr. Oliver P. Stockwell
Special Assistant Attorney General
State of Louisiana
February 15, 1974
Page 3

b. Cutoff area between Sections 33 and 34, Township 11 North, Range 15 West, NWD La. All of my remarks in the preceding paragraph are applicable here. There is no reason for Louisiana to concede ownership of this area to Texas. (Shown as 1b on the attached quadrangle).

c. The area in question here is accretion to Lot 4 of the Las Ormigas Grant, Township 10 North, Range 15 West, NWD La. The Sabine River here was surveyed by Jacob H. McMichael, U. S. Deputy Surveyor, in 1830 and was resurveyed in 1854 by U. S. Deputy Surveyors George S. Walmsley and Thomas Hunter. The Las Ormigas Grant was confirmed to the legal representatives of William Barr, deceased, by a decree of the U. S. District Court for the Eastern District of Louisiana rendered May 30, 1849, and Decree of U. S. Supreme Court 15. Howard p 10, under acts of Congress of May 26, 1824, and June 17, 1844. Through slow and imperceptible means the slight convex bend on the Louisiana side accreted as the opposite bank of the river eroded, extending the peninsula on the Louisiana side into what formerly was Texas. The land in question was acquired by the Toledo Bend Authority as being in Louisiana and is accretion to Louisiana. (Shown as 1c on the attached quadrangle).

2. Negreet Quadrangle.

After further investigation of the area in Township 5 North, Ranges 12 and 13 West, NWD La., it would be difficult to sustain any position with reference to the location of the river other than that agreed upon on December 20, 1973. (Shown as 2 on the attached quadrangle).

3. Weirgate Quadrangle.

In Section 7, Township 1 North, Range 11 West, NWD La., there is an area which was agreed upon as being in Texas. Further study indicates that the changes occurring here were slow and imperceptible, the accretion attaching to Louisiana. Consequently, I must reverse my position taken on December 20, 1973, and claim the area for Louisiana. Mr. Black, in his letter of December 14, 1973, notes that Texas has issued patents on this land. (Shown as 3 on the attached quadrangle.)

4. Merryville Quadrangle.

There appears to be some basis for Texas' claim to Palmer Lake in Section 35, Township 2 South, Range 12 West, SWD La. The township plat as surveyed by Ruffin B. Paine, U. S. Deputy Surveyor, in 1884 also tends to support the claim of Texas. Mr. Black, in the letter referred to in the preceding paragraph, states that Texas has issued patents on this land, and I concede that it lies in Texas. (Shown as 4 on the attached quadrangle).

Mr. Oliver P. Stockwell
Special Assistant Attorney General
State of Louisiana
February 15, 1974
Page 4

5. Bon Weir Quadrangle.

Cutoff area in Sections 8 and 17, Township 4 South, Range 12 West, SWD La. The problem here in all likelihood will not be resolved until the U. S. Army Engineers reply to my letter of November 12, 1973. Unless Texas can show that an avulsion separated Caney Island from Texas, I take the position that it is an unsurveyed island transferred to Louisiana under the act of March 2, 1849, and in the same category as the Sabine River Islands awarded to Louisiana by the U. S. Supreme Court in 1920. (Shown as 5 on the attached quadrangle).

6. Starks Quadrangle.

a. Further study indicates that Bayou Deception Island lying adjacent to Section 1, Township 8 South, Range 14 West, and Section 6, Township 8 South, Range 13 West, SWD La. lies in Texas. The island was not surveyed in Louisiana. The map of the Joint Boundary Commission dated 1840 shows the island to be in Texas. Another map depicting very accurately the "Narrows" also places the island in Texas. (Shown as 6a on the attached quadrangle).

b. Wembly Island. Although conceded by Texas to be in Louisiana, the maps referred to in paragraph 6a above clearly show the island to be in Texas. (Shown as 6b on the attached quadrangle).

c. At Cross Bayou between Sections 21 and 28, Township 9 South, Range 13 West, SWD La. The remarks in paragraph 6b above apply here. The area is clearly in Texas. (Shown as 6c on the attached quadrangle).

7. Orange Quadrangle.

As noted in my letter to you of January 25, 1974, where the Sabine River has been enlarged or widened by the U. S. Army Engineers under the Sabine-Neches Waterway Project, the location of the geographic middle must be determined from surveys and maps made prior to construction of the navigation improvements. (Shown as 7 on the attached quadrangle).

8. Orangefield Quadrangle.

The remarks of the preceding paragraph apply here also. (Shown as 8 on the attached quadrangle).

Under separate cover, I am sending the 8 quadrangles noted above with the areas of conflict keyed to this letter.

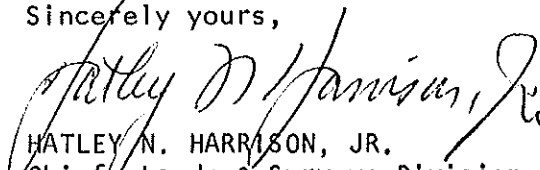
Mr. Oliver P. Stockwell
Special Assistant Attorney General
State of Louisiana
February 15, 1974
Page 5

It should be recognized that the location of the boundary as agreed upon by the representatives of both states may be in error in certain places. To provide for this contingency, the injured riparian owner or owners should be allowed a certain period of time in which to present evidence that the boundary is in error, after which time the decree of the court would become final. Such a provision would also save considerable surveying expense.

Referring to your letter of February 8, 1974, to Mr. Thomas Black, I have pretty well covered in this letter the three items in the third paragraph of his letter to you of February 6, 1974.

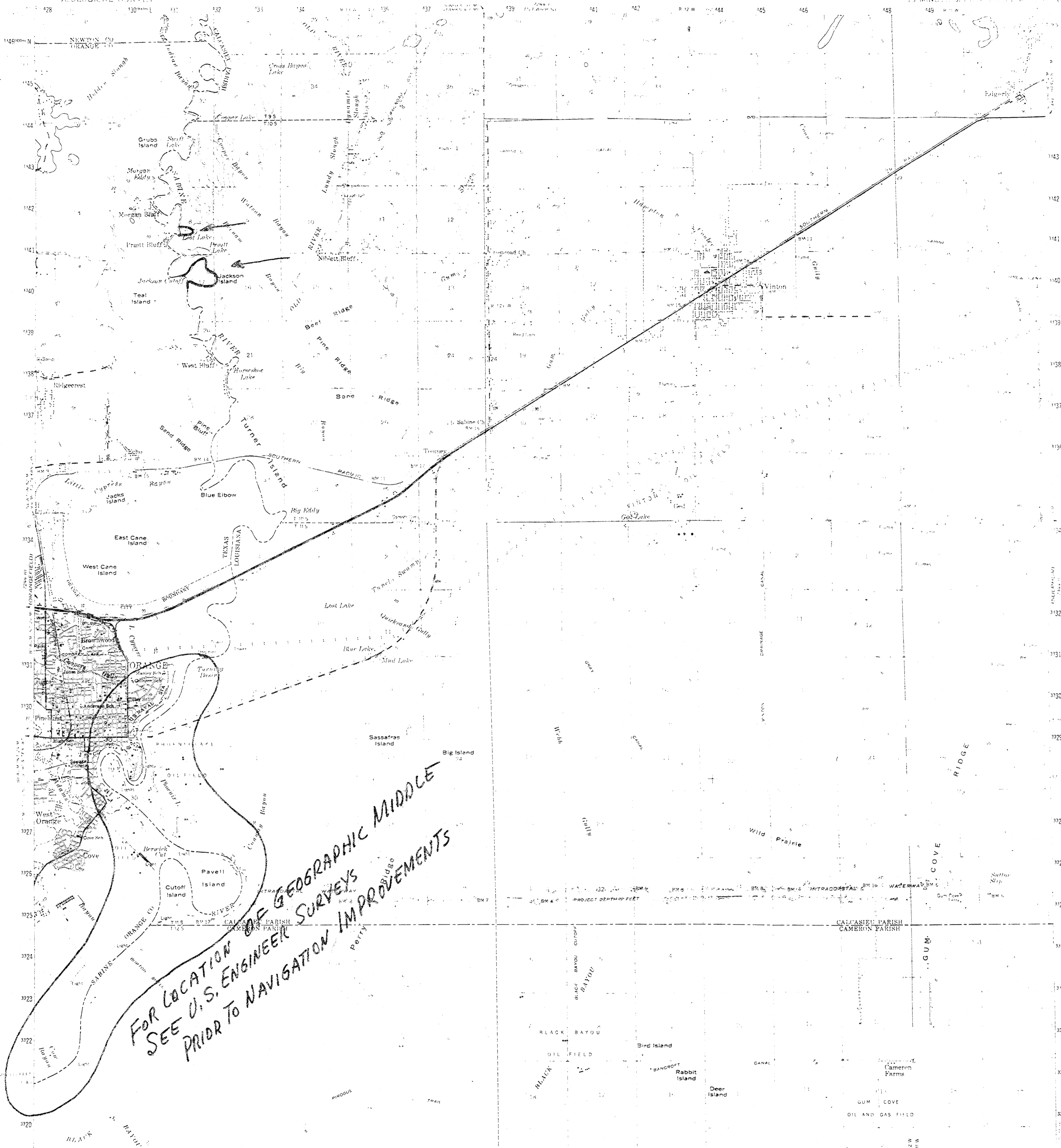
We are now busy on the items requested in your letter of February 7 and should have some of the work completed in a few days.

Sincerely yours,


HATLEY N. HARRISON, JR.
Chief, Lands & Surveys Division

HNH:ean

Enclosures (under separate cover)



*FOR LOCATION OF GEOGRAPHIC MIDDLE
SEE U.S. ENGINEER SURVEYS
PRIOR TO NAVIGATION IMPROVEMENTS*

*RED LINE SHOWS CORRECT BOUNDARY
USE FEDERAL LINE AS BOUNDARY EXCEPT
FOR AREA CIRCLED IN ORANGE*

*2-20-1974
For Texas*

*Herman H. Forbes, Jr., 2-20-1974 For Louisiana
Hilley M. James, Jr.*

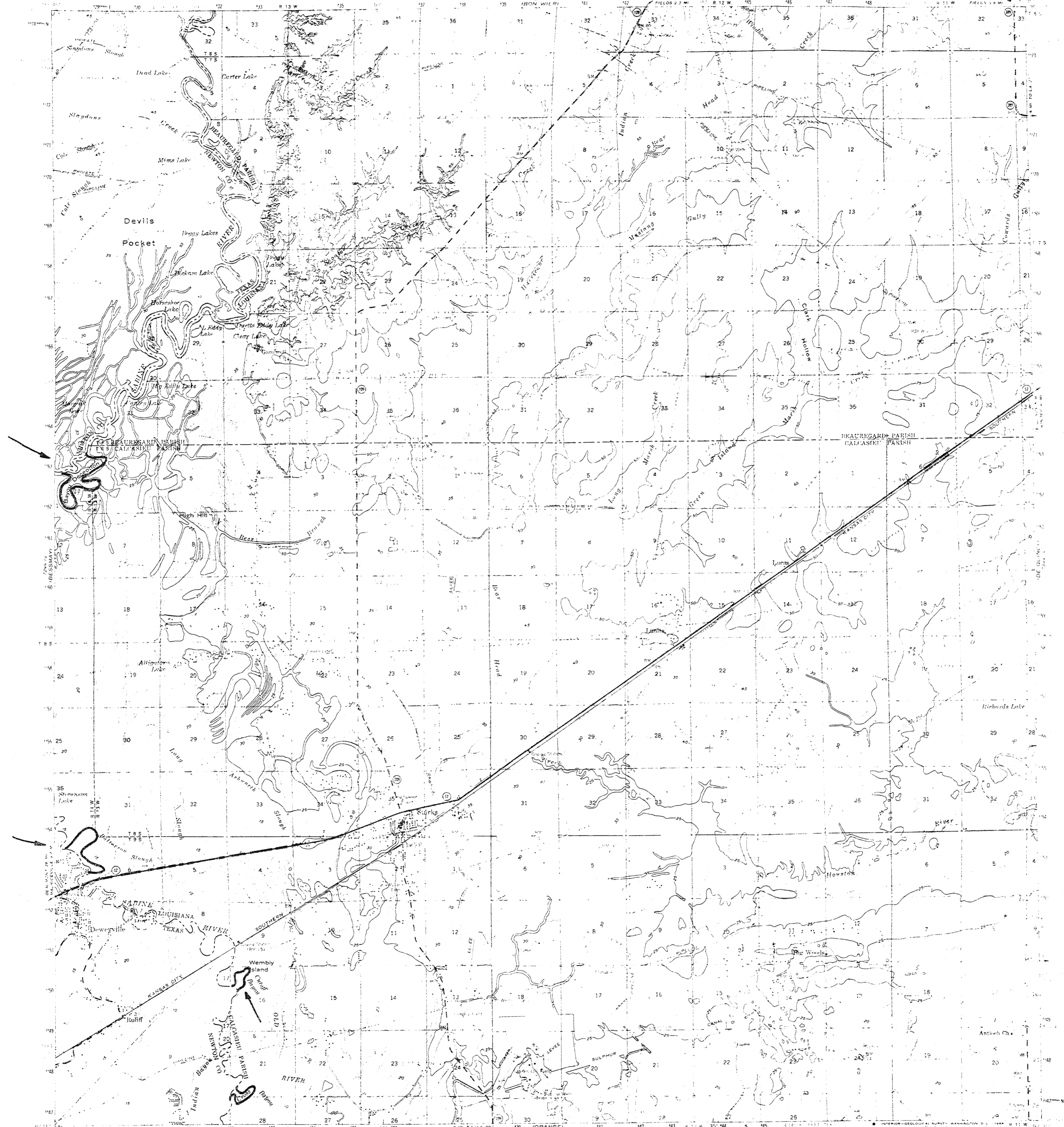
Maped, edited, and published by the Geological Survey
Controlled by U.S. 185-6514, and Louisiana Federal Survey
Controlled by 1742 from 1:24,000 scale maps of Vinton, L. 110,
Orange, and Turnage farms, 15 minute quadrangles.
This map and description are based on aerial photographs
taken in 1944. Topographic features are based on 1944
photographs compiled from U.S. 185-6514 and 1742.
Elevation contours are 100-foot North American datum.
Elevations are based on the National coordinate system.
Orthographic and Texas coordinate systems, central zone,
1911 meridian, are shown in the lower right corner.
page 24, "Map of the Gulf"
Red ink indicates areas in which the benchmark buildings are shown
The red ink also indicates approximate elevations.
Elevations are based on the 1911 meridian for the State of Louisiana
and the 1911 meridian for the State of Texas.

THIS MAP COMPLIES WITH NATIONAL MAP ADJUSTMENT STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20542
AND BY THE STATE OF LOUISIANA, DEPARTMENT OF PUBLIC WORKS, BATON ROUGE, LOUISIANA 70804
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Heavy duty — Light duty
Medium duty — Unimproved dirt
Interstate Route — U.S. Route — State Route
This map and description are based on aerial photographs
taken in 1944. Topographic features are based on 1944
photographs compiled from U.S. 185-6514 and 1742.
ORANGE, LA., TEX.
N 40° 00' W 4 1/2 MI. 14
1950
AMS 7244 II—SERIES V785

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STARKS QUADRANGLE
LOUISIANA-TEXAS
15 MINUTE SERIES (TOPOGRAPHIC)



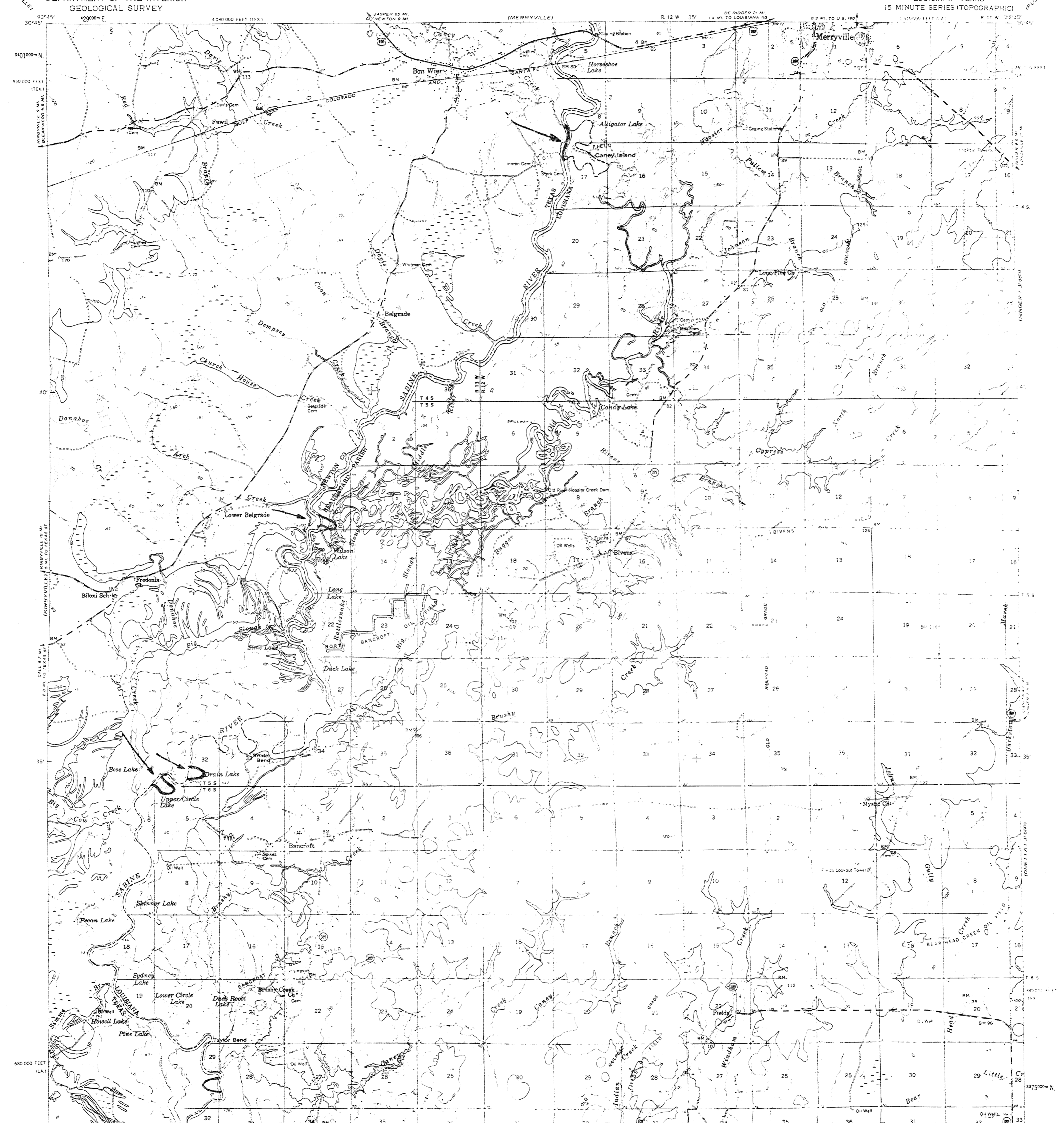
Maple 1, edited, and published by the Geological Survey
Scale 1:62,500
Contour interval 5 feet
Datum in mean sea level

2-20-1974
For Texas
Herman H. Forbes, Jr.

RED LINE SHOWS CORRECT BOUNDARY
USE FEDERAL LINE AS BOUNDARY ELSEWHERE
2-20-1974 For Louisiana
J. J. Jones, Jr.

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STARKS, LA., TEX.
1959
PHOTOGRAPHIC
AMC 7441 SERIES V785



Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and Louisiana Geodetic Survey
Topography from aerial photographs by photogrammetric methods
and by plane-table surveys 1959. Aerial photographs taken 1954.
Polyconic projection. 1927 North American datum.
10,000-foot grid based on Louisiana coordinate system,
south zone, and Texas coordinate system, central zone.
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue.

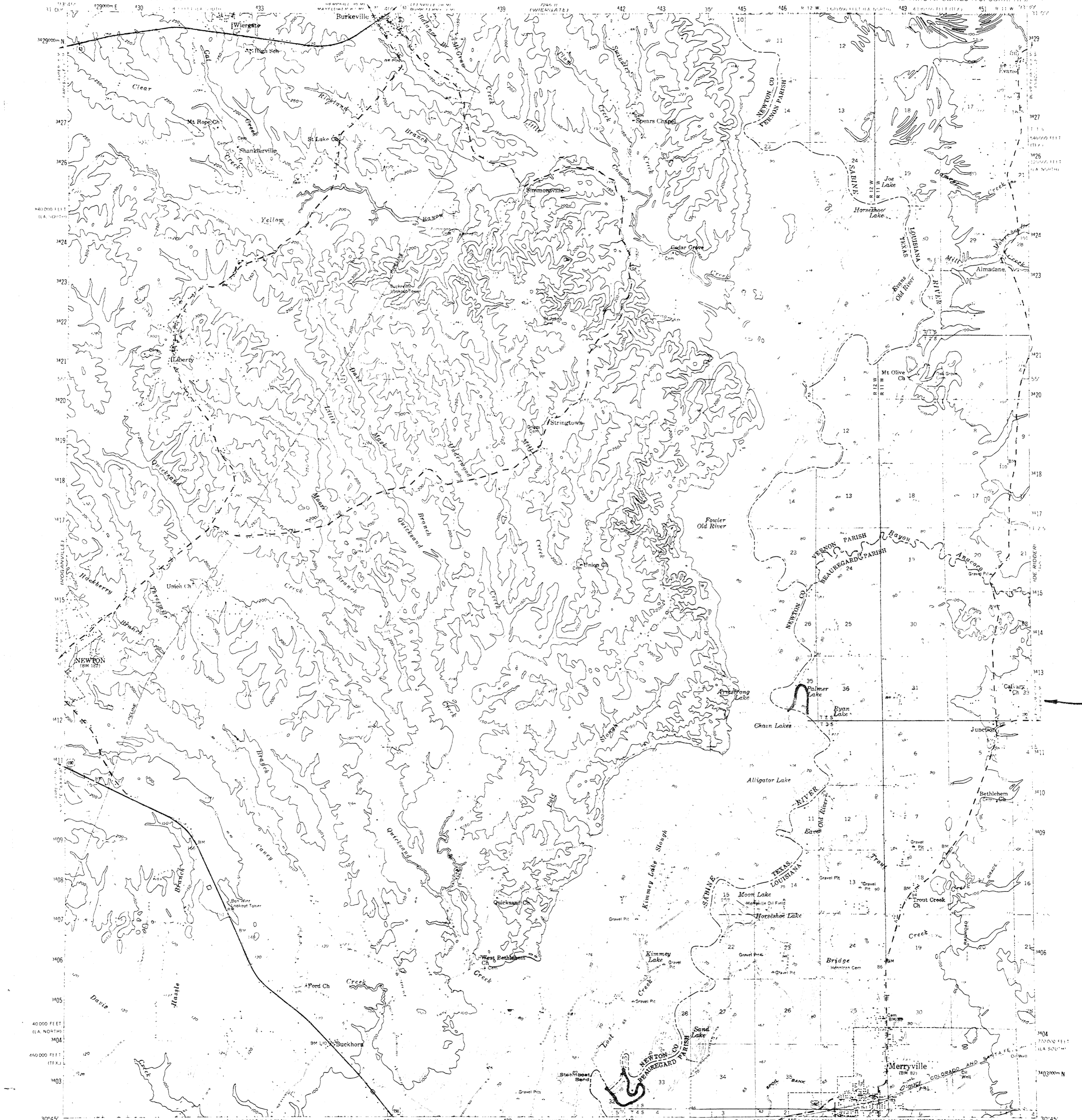
2-20-1974
For TEXAS
Herman H. Forbes, Jr.

2-20-1974
For LOUISIANA
J. D. Jenkins, Jr.

RED LINE SHOWS CORRECT BOUNDARY
USE FEDERAL LINE AS BOUNDARY ELSEWHERE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MERRYVILLE QUADRANGLE
TEXAS-LOUISIANA
15 MINUTE SERIES (TOPOGRAPHIC)



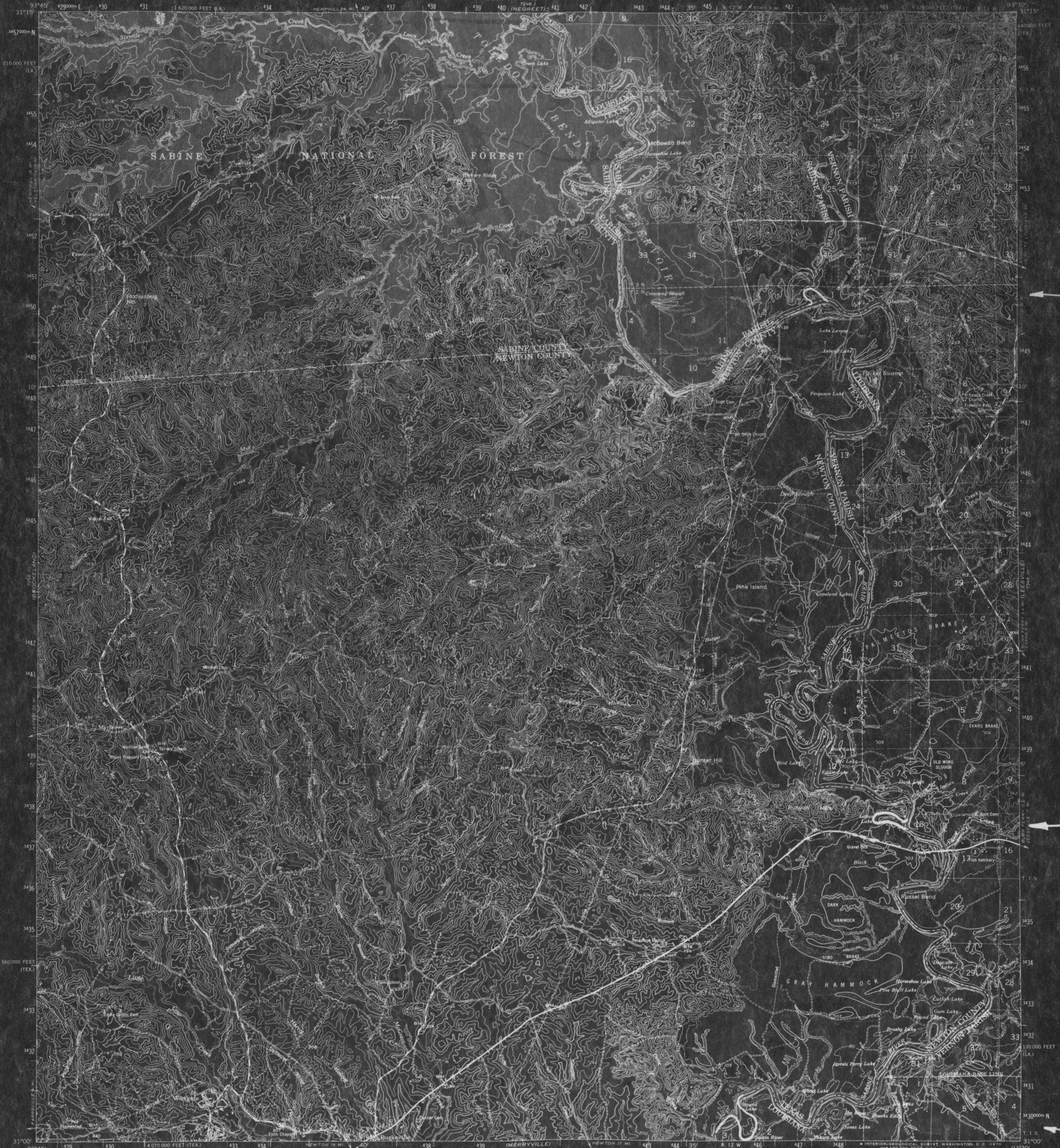
Mapped, edited, and published by the Geological Survey
Control by U.S.G.S. and Louisiana Geologic Survey
Topography from aerial photographs by photogrammetric methods
and by plane-table surveys, 1959. Aerial photographs taken 1954
Polyconic projection, 1927 North American datum
10,000-foot grid based on Texas coordinate system, central zone,
and Louisiana coordinate system, south and north zones
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue

For Texas
2-20-1974
Herman H. Ferber, Jr.

Red Line Shows Correct Boundary
Use Federal Line as Boundary Elsewhere
2-20-1974
For Louisiana
Patley N. Jamieson

MERRYVILLE, TEX.-LA
N 1045-W9330115
1959
AMS 7245 1 SERIES V782

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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



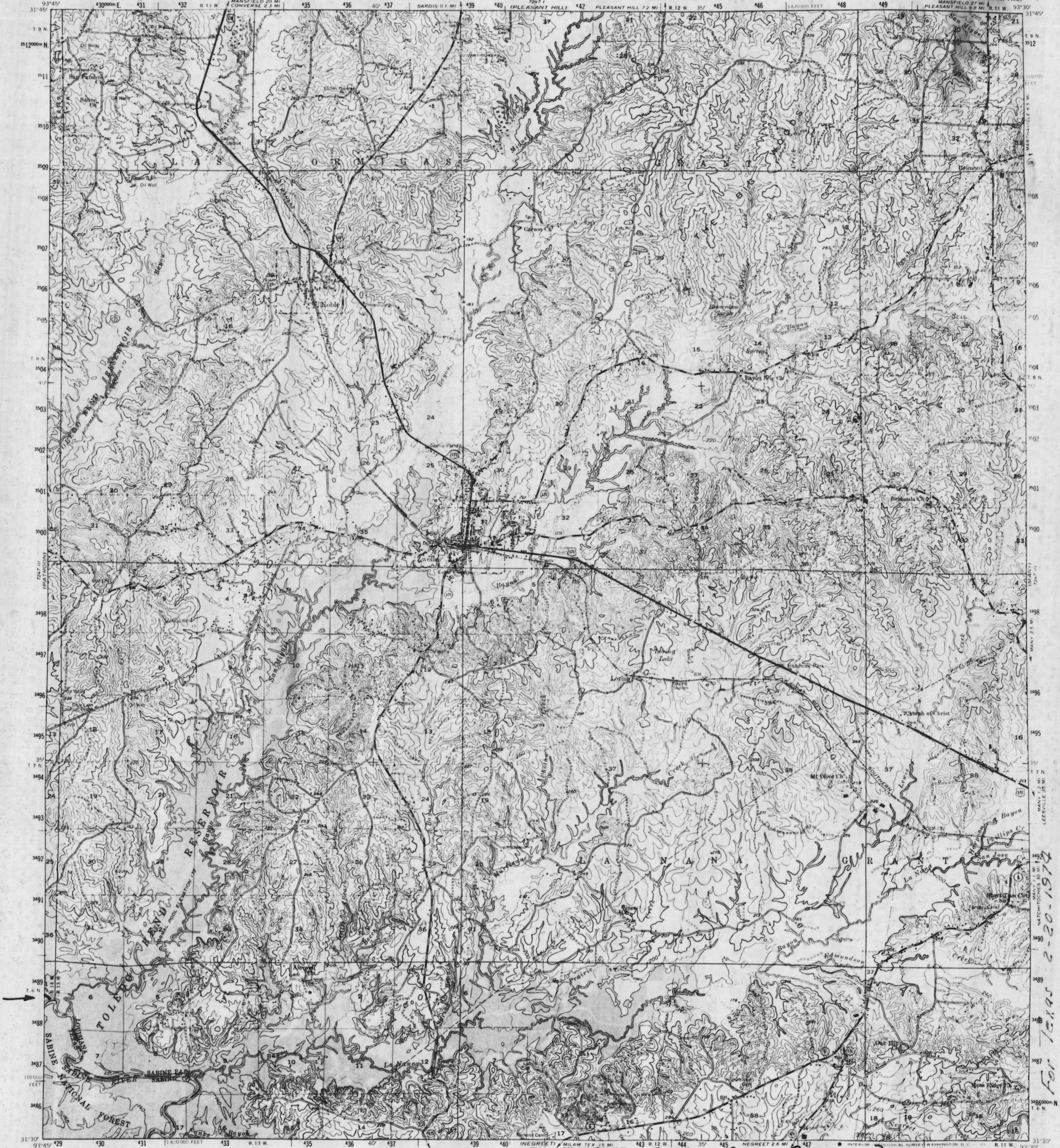
Mapped by the Army Map Service
Published for civil use by the Geological Survey
Control by USGS, USC&GS, USCE, and Louisiana Geodetic Survey
Compiled in 1956 from 1:25,000 scale maps of Haddens, Fairdale,
Wiergate, and Wiergate SE 7.5 minute quadrangles
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1953. Field check 1954
Polyconic projection. 1927 North American datum
10,000-foot grids based on Texas coordinate system, central
zone and Louisiana coordinate system, north zone
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue
Revisions shown in purple compiled by the Geological Survey from
aerial photographs taken 1969. Louisiana portion in cooperation with
Louisiana Department of Public Works. This information not field
checked
Woodland revised within Toledo Bend Reservoir

For Texas
5 April 1974
Herman H. Forbes, Jr.

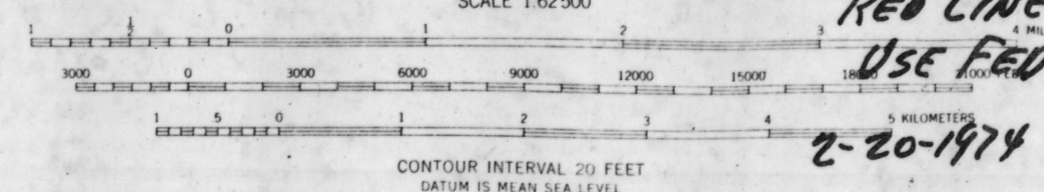
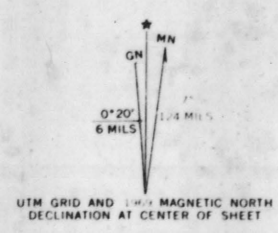
RED LINE SHOWS CORRECT BOUNDARY
USE FEDERAL LINE AS BOUNDARY ELSEWHERE
For Louisiana
29 March 1974
Jatley D. Jamison, Jr.

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
AND BY THE STATE OF LOUISIANA, DEPARTMENT OF PUBLIC WORKS, BATON ROUGE, LOUISIANA 70804
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

WIERGATE, TEX.-LA.
N3100-W9330/15
1954
PHOTOREVISED 1969
AMS 7246 II-SERIES V782



Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and Louisiana Geodetic Survey
Topography by planetable surveys 1942-1943. Culture
and drainage revised from aerial photographs
taken 1956. Field check 1956-1957
Polyconic projection. 1927 North American datum
10,000-foot grid based on Louisiana coordinate system, north zone
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue
Revisions shown in purple compiled from aerial photographs
taken 1969. Louisiana portion in cooperation with Louisiana
Department of Public Works. This information not field checked
Woodland revised within Toledo Bend Reservoir

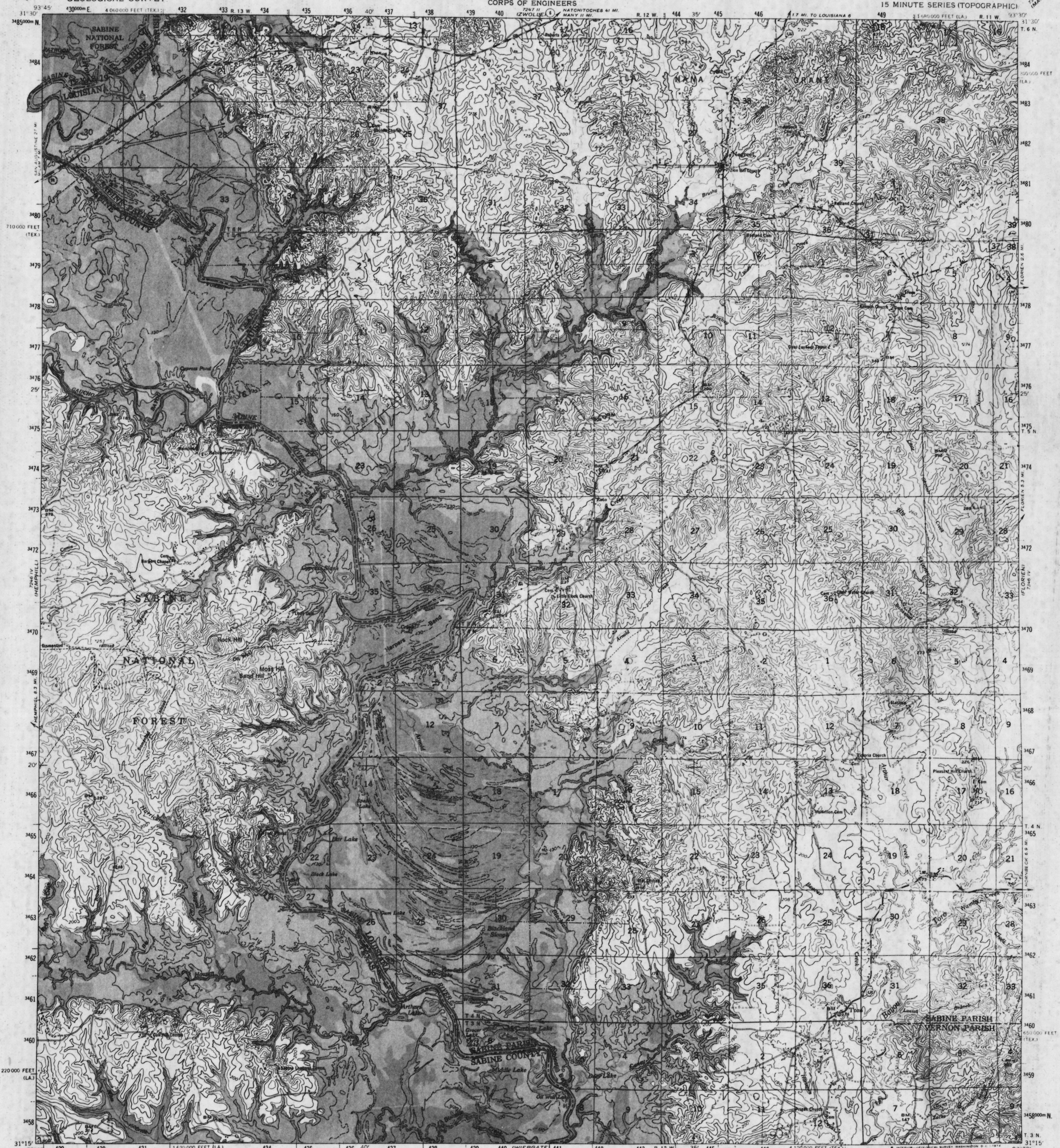


RED LINE SHOWS CORRECT BOUNDARY
USE FEDERAL LINE AS BOUNDARY ELSEWHERE

2-20-1974 For Louisiana
Staley D. Johnson, Jr.

ZWOLLE, LA.-TEX.
N3130-W9330/15
1957
PHOTOREVISED 1969
AMS 7247 II-SERIES V785

For Texas 2-20-1974
Herman H. Forben, Jr.



Mapped by the Army Map Service
Published for civil use by the Geological Survey
Control by USGS, USC&GS, USCE, and Louisiana Geodetic Survey
Compiled in 1956 from 1:25,000 scale maps of Negreet, Satter Creek, Negreet SW, and Toro 7.5 minute quadrangles
Topography by photogrammetric methods from aerial photographs taken 1953-54. Field checked 1954
Polyconic projection. 1927 North American datum
10,000-foot grids based on Louisiana coordinate system, north zone and Texas coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue
Revisions shown in purple compiled by the Geological Survey from aerial photographs taken 1969. Louisiana portion in cooperation with Louisiana Department of Public Works. This information not field checked
Woodland revised within Toledo Bend Reservoir

For Texas 2-20-1974
Herman H. Forley

SCALE 1:62,500
CONTOUR INTERVAL 20 FEET
DASHED LINES REPRESENT 10-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

Use FEDERAL LINE AS SHOWN
2-20-1974
For Louisiana
Stacy N. Forley

ROAD CLASSIFICATION
Medium duty ——— Light duty ———
Unimproved dirt - - - - -
State Route ○
This area also covered by 1:24,000 scale maps of Negreet, Satter Creek, Negreet SW, and Toro 7.5 minute quadrangles, surveyed 1954-1969
NEGREET, LA.-TEX.
N 3115-W 9330/15
1954
PHOTOREVISED 1969
AMS 7246 I-SERIES V785

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
AND BY THE STATE OF LOUISIANA, DEPARTMENT OF PUBLIC WORKS, BATON ROUGE, LOUISIANA 70804
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



Mapped, edited, and published by the Geological Survey
Control by USGS and USO&GS
Topography by plane-table surveys 1941-1942. Culture and
drainage revised from aerial photographs taken 1956
Field check 1956
Polyconic projection, 1927 North American datum
10,000-foot grid based on Texas coordinate system,
central zone, and Louisiana coordinate system, north zone
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue
Revisions shown in purple compiled from aerial photographs
taken 1969. Louisiana portion in cooperation with Louisiana
Department of Public Works. This information not field checked
Woodland revised within Toledo Bend Reservoir

UTM GRID AND 1969 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
AND BY THE STATE OF LOUISIANA, DEPARTMENT OF PUBLIC WORKS, BATON ROUGE, LOUISIANA 70804
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

RED LINE SHOWS CORRECT BOUNDARY
USE FEDERAL LINE AS BOUNDARY ELSEWHERE

2-20-1974 For Louisiana
John N. Johnson, Jr.

For Texas 2-20-1974
Herman H. Forber, Jr.

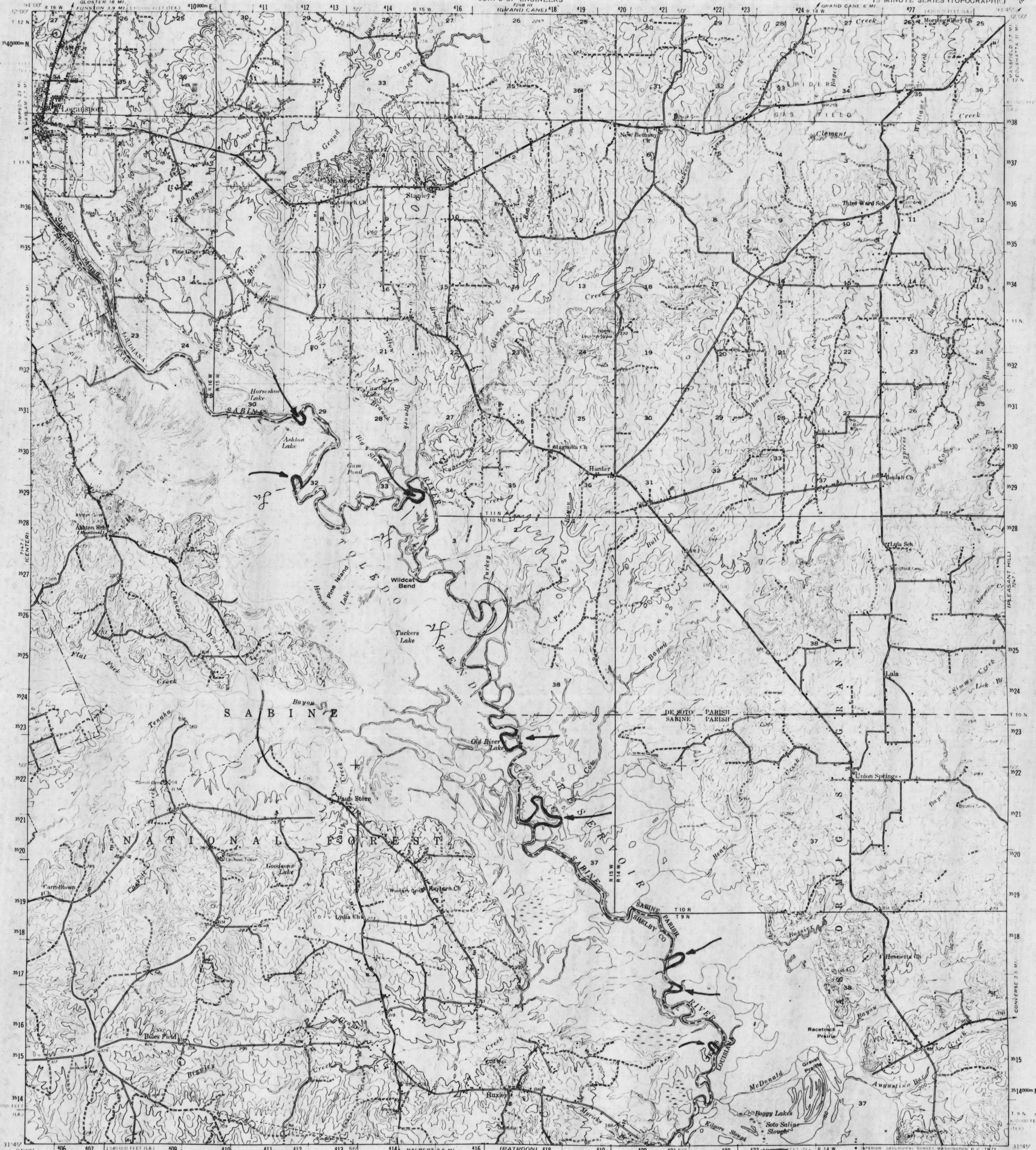
PATROON, TEX.-LA.

N 3130 - W 9345 / 15

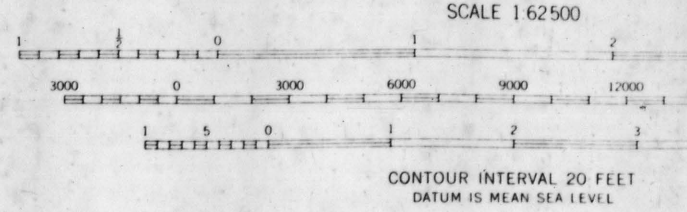
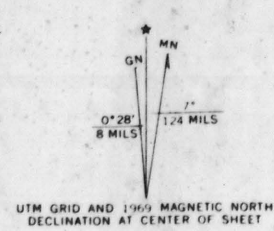
1956

PHOTOREVISED 1969

AMS 7247 III - SERIES V782



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by plane table surveys 1941-1942. Culture and drainage
revised from aerial photographs taken 1956. Field check 1956
Polyconic projection. 1927 North American datum
10,000-foot grid; based on Louisiana coordinate system,
north zone, and Texas coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue
Revisions: Shaded in purple compiled from aerial photographs
taken 1969. Louisiana portion in cooperation with Louisiana
Department of Public Works. This information not field checked.
Woodland revised with 1969 Topographic Survey



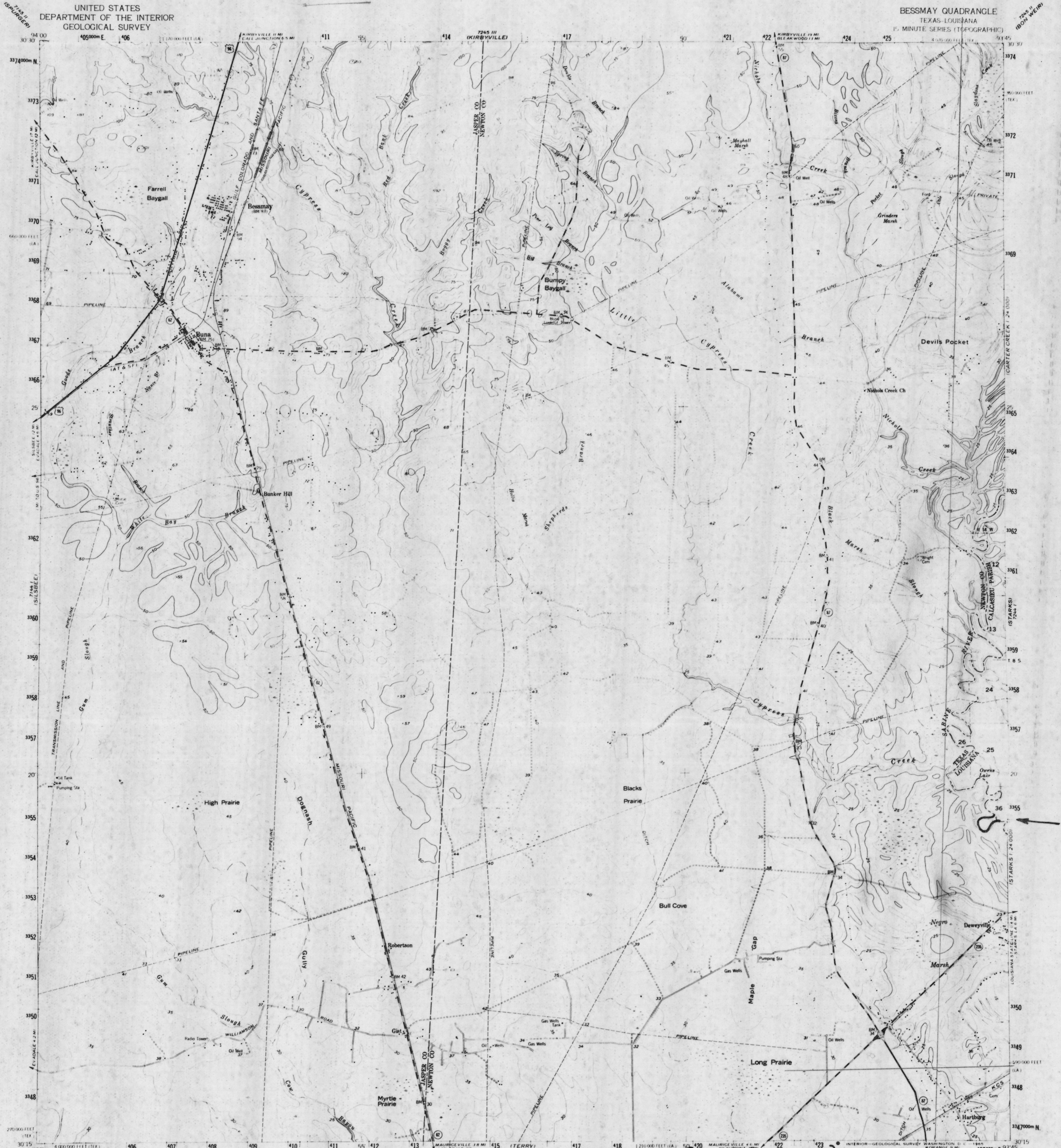
RED LINE SHOWS CORRECT BOUNDARY
Use Federal Line as boundary elsewhere

For Louisiana 2-20-1974
Herman H. Forley, Jr.

ROAD CLASSIFICATION
Light duty
Unimproved dirt
U.S. Route
State Route

LOGANSPORT, LA.—TEX.
N 3145—W 9345/15
1956
PHOTOREVISED 1969
AMS 7247 IV—SERIES V785

2-20-74
For Texas
Herman H. Forley, Jr.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BESSEY QUADRANGLE
TEXAS-LOUISIANA
15-MINUTE SERIES (TOPOGRAPHIC)

Maped, edited, and published by the Geological Survey
Control by USGS and US&GS
Culture and drainage in part compiled from aerial photographs
taken 1952. Topography by planetable surveys, 1955.
Polyconic projection. 1927 North American datum.
10,000-foot grid based on Texas coordinate system; central zone
and Louisiana coordinate system, south zone.
Dashed land lines indicate approximate locations.
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue.

2-20-1974
For Texas

Herman H. Forbes, Jr.

RED LINE SHOWS CORRECT BOUNDARY
USE FEDERAL LINE AS BOUNDARY ELSEWHERE

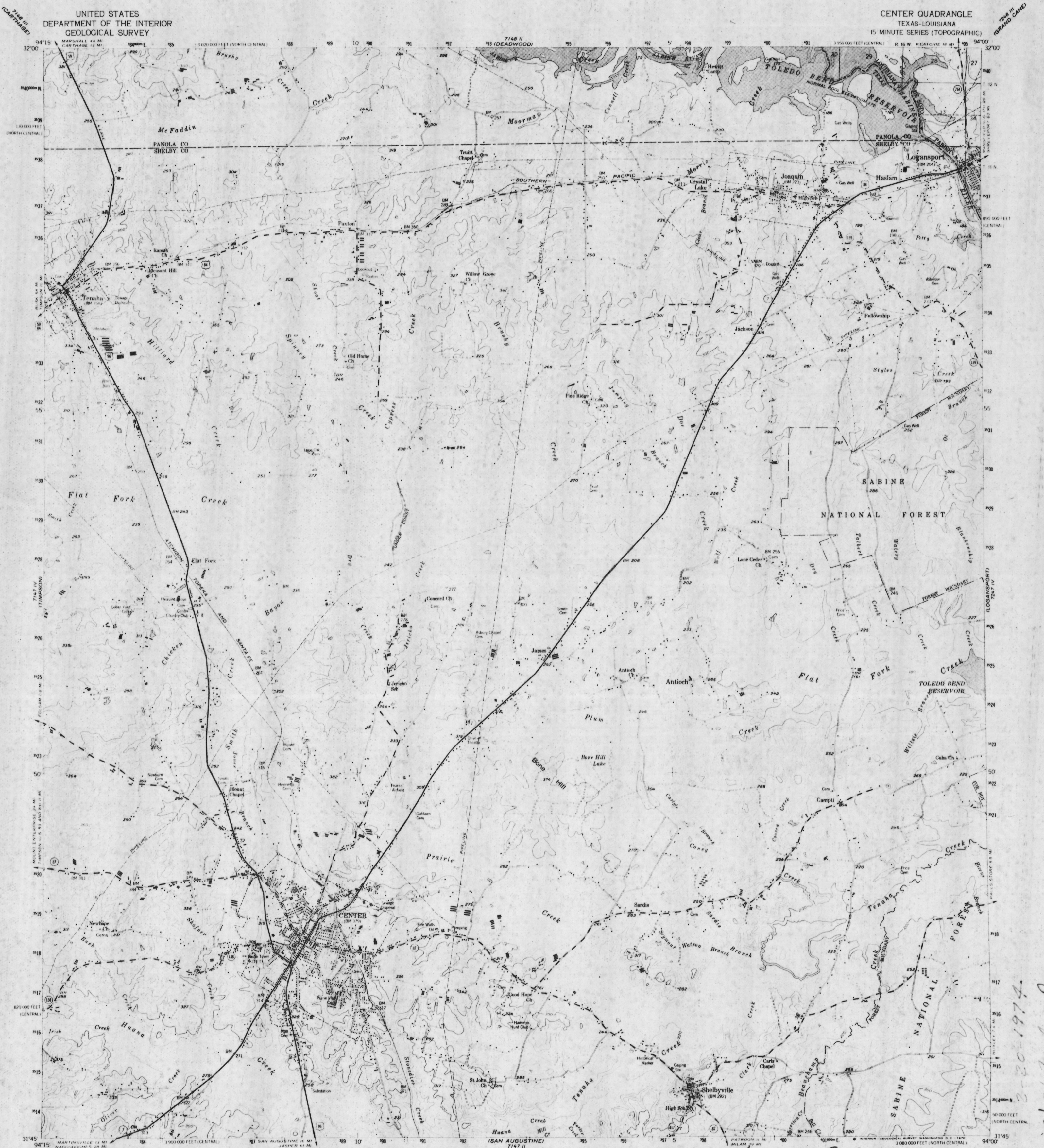
2-20-1974 For Louisiana
Stetley J. Jamison, Jr.

UTM GRID AND 1955 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

THIS MAP COMPLETES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

BESSEY, TEX.-LA.
N3015-W9345/15

1955
AMS 7244 IV-SERIES V782



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1956. Field check 1958
Polyconic projection. 1927 North American datum
10,000 foot grid based on Texas coordinate system,
central and north central zones
1000 meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue
Revisions shown in purple compiled from aerial photographs
taken 1969. Louisiana portion in cooperation with Louisiana
Department of Public Works. This information not field checked
Woodland revised within Toledo Bend Reservoir

UTM GRID AND 1969 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
AND BY THE STATE OF LOUISIANA, DEPARTMENT OF PUBLIC WORKS, BATON ROUGE, LOUISIANA 70804
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

U. S. Route
State Route
Heavy duty
Light duty
Improved dirt



Compiled, edited, and published by the Geological Survey
Control by US&GS, US&CE, and TVA
Compiled in 1957 from the Mauriceville, Texas, Terry, and Orangefield
7.5 minute, Army Map Service quadrangles.
Culture and drainage in part compiled from aerial photographs taken 1942
Topography by plane-table surveys 1926; Contour revision 1943
Culture revised by the Geological Survey from aerial photographs taken
1926; Field check 1937.
Hydrography compiled from US&GS charts 533 (1955) and 884 (1955)
Polyconic projection; 1927 North American datum
10,000-foot grid based on Texas coordinate system, central and south central
zones; Field check 1937.
1000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue

For Texas
2 April 1974
Herman H. Ferber, Jr.

SCALE 1:62,500

CONTOUR INTERVAL 5 FEET
ELEVATION IS MEAN SEA LEVEL
CURVES IN FEET-DATUM IS MEAN-LOW WATER
DOTTED LINE REPRESENTS APPROXIMATE LINE OF MEAN-HIGH WATER
THE MEAN RANGE OF TIDE IS LESS THAN 5 FEET

UTM GRID AND 1957 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

T. MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
AND BY THE STATE OF LOUISIANA, DEPARTMENT OF PUBLIC WORKS, BATON ROUGE, LOUISIANA 70804
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST.

No CHANGE in River Boundary
Use FEDERAL Line AS Shown
For Louisiana
29 March 1974
Stalley D. Jamison, Jr.



*FOR LOCATION OF GEOGRAPHIC MIDDLE
SEE U.S. ENGINEER SURVEYS
PRIOR TO NAVIGATION IMPROVEMENTS*

*RED LINE SHOWS CORRECT BOUNDARY
USE FEDERAL LINE AS BOUNDARY EXCEPT
FOR AREA CIRCLED IN ORANGE*

*2-20-1974
For Texas*

*Herman H. Forley, Jr.
2-20-1974 For Louisiana
Hayley M. James, Jr.*

Map of Orange, Louisiana, showing the Mississippi River and surrounding islands. The map includes a grid, contour lines, and labels for geographical features like 'Front Bluff', 'Jackson Island', and 'Cane Islands'. A red line follows the river and then curves around the 'Cane Islands' area, which is circled in orange. Handwritten notes are present on the map.

U.S. GEOLOGICAL SURVEY
WASHINGTON, D.C. 20509

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AND BY THE STATE OF LOUISIANA, DEPARTMENT OF PUBLIC WORKS, BATON ROUGE, LOUISIANA 70804
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ORANGE, LA., TEX.
N 3000 - W 3330 715

AMS 7244-II SERIES V785

SUPPLEMENTAL PLAT

protracted of:

Ts. 9 and 10 S., R. 13 W., La. Mer.,

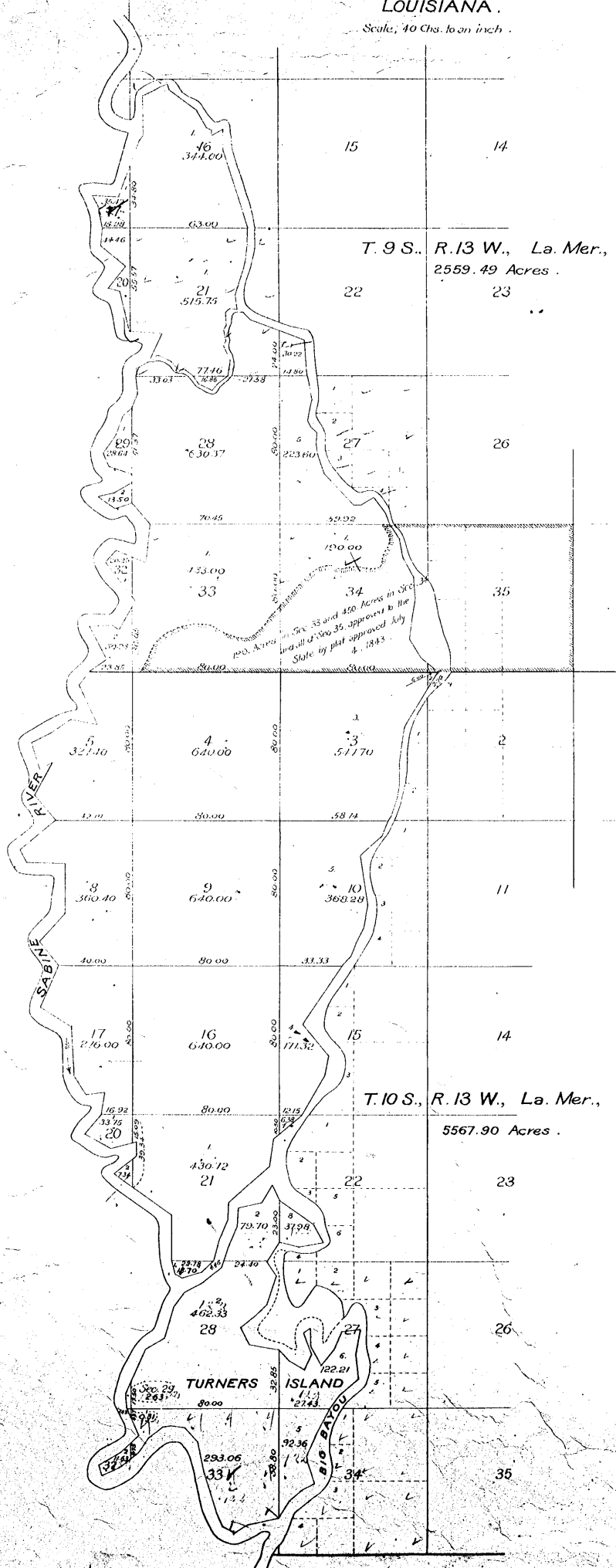
LOUISIANA.

Scale, 40 Chs. to an inch.

215

T E X A S

L O U I S I A N A



205

The above plat of the survey dated Feb'y 28, 1907, of the Islands in the Sabine River, in T. 9 and 10 S., R. 13 W., La. Mer., Louisiana, executed by E.L. Gorham, Parish Surveyor of Calcasieu, has been protracted from the corrected returns of the survey as transmitted by the Register of the State Land Office by letter dated July 21, 1913.

The areas as shown are approximate, owing to mis-measures in the survey far beyond the ordinary limits, also differences shown between the Surveyors plat and his field notes. (See letter from E.L. Gorham to Judge T.J. Dwyer, dated May 30, 1913, inclosed with Chas. M. Pidgeons report, wherein it is stated "the survey should be considered impossible.")

The lands of this survey were examined by Chas. M. Pidgeon, U.S. Surveyor, and reported by him by letter of June 2 and 17, 1913, as swamp and subject to over-flow.

The areas are therefore estimated only, and are not to be taken as the exact contents of the sections shown. They are protracted for the purpose of adjusting the claim of the state to the lands herein shown, an official survey thereof, by this office not being deemed essential.

General Land Office,
Washington, D.C., Sept. 2, 1913.

W. H. Hallman
Commissioner and ex officio
U.S. Surveyor General for Louisiana.

Topo 173-C & 176-Ac