NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey: SHORELINE (PHOTOMETRIC)
Job No.: 6.4 - 68
Map No.: TP-00036
Classification No.: Edition No.: 1

Field Edited

LOCALITY
State: Mississippi - Louisiana
General Locality: Lake Borgne
Locality: Jourdan River

1969 TO 1970

REGISTRY IN ARCHIVES

DATE

* U.S. GOVERNMENT PRINTING OFFICE: 1973-761-778
MAP NOT INSPECTED IN QUALITY CONTROL PRIOR TO REGISTRATION
DESCRIPTIVE REPORT - DATA RECORD
TP-00036

PROJECT NO. (III):
PH-6902

FIELD OFFICE (III):
Pass Christian, MISS.

PHOTOGRAMMETRIC OFFICE (III):
Atlantic Marine Center - Norfolk, VA

CHIEF OF PARTY
Dale M. Fuller

OFFICER-IN-CHARGE
Alfred C. Holmes, Director

INSTRUCTIONS DATED (III):
Office-Aerotriangulation - June 13, 1969
Office-Compilation - July 25, 1969
Office-Amendment I - Oct. 6, 1969
Office-Amendment 2 - Dec. 11, 1969
Office-Supplement I - May 13, 1970
Post Compilation Field
No date
Field
April 28, 1969
Field - Supplement I - October 7, 1969
Review of Instructions - June 20, 1972

METHOD OF COMPIlATION (III):
Wild B-8 Stereoplotter

MANUSCRIPT SCALE (III):
1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:15,000 Panphotographed to 1:10,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):
Nov. 24, 1975

GEOPHATRIC DATUM (III):
N.A. 1927

REFERENCE STATION (III):
Cape Reference Mark No. 2, 1958

LAT: 30° 22' 14.600" 449.6M
LONG: 89° 20' 52.079" 1390.6M

VERTICAL DATUM (III):
High water
Mean sea level except as follows:
Elevations shown as 235 refer to mean high water
Elevations shown as 115 refer to sounding datum
i.e., mean low water

ADJUSTED
UNADJUSTED

STATE
Mississippi

ZONE
East

AN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (III) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.
**DESCRIPTIVE REPORT - DATA RECORD**

**TP-00036**

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**MEAN HIGH WATER LOCATION (III) [STATE DATE AND METHOD OF LOCATION]:**

Air Photo Compilation - June 3, 1969, Date of Photography. Oct. 16, 1969 (After "Camille")

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**RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):**

R.E. Fisher

| DATE:     | Oct., 1969 |

**STEREOSCOPIC INSTRUMENT COMPILATION (III):**

L.O. Neterer

Reviewed by: A.L. Shands

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**CONTOURS**

Inapplicable

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**MANUSCRIPT DELINEATED BY (III):**

A.L. Shands

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**PHOTOGRAMMETRIC OFFICE REVIEW BY (III):**

Compilation - C.H. Bishop

Field Edit - C. Blood

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<tr>
<td>3-5-70</td>
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<td>Sept. 21, 1971</td>
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**REMARKS:**

Field Edit By: Dale M. Fuller

Date: Dec., 1970
**DESCRIPTIVE REPORT - DATA RECORD**

**TP-00036**

**CAMERA (KIND OR SOURCE) (III):**
Wild RC-8 "L"

**PHOTOGRAPHS (III)**

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<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<tr>
<td>69L(C) -9412 Thru 9414</td>
<td>June 3, 1969</td>
<td>14:36 C.S.T.</td>
<td>1:30,000</td>
<td>2.1 ft. above M.L.W.</td>
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<td>69L(C) -9469 &amp; 9470</td>
<td>June 3, 1969</td>
<td>08:46 C.S.T.</td>
<td>1:30,000</td>
<td>1.9 ft. above M.L.W.</td>
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<td>12:24 C.S.T.</td>
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<td>69L(C) - 6260 &amp; 6261</td>
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**TIDE (III)**

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<th>BORDONATE STATION:</th>
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<table>
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<th>SUBORDINATE STATION:</th>
<th>Atlantic Marine Center</th>
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<tr>
<th>WASHINGTON OFFICE REVIEW BY (IV):</th>
<th>C.H. Bishop</th>
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| PROOF EDIT BY (IV): | |
|---------------------| |

<table>
<thead>
<tr>
<th>DATE:</th>
<th>Jan., 1974</th>
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| NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): | 2 |
| RECOVERED: | 2 |
| IDENTIFIED: | 1 |

| NUMBER OF BM(5) SEARCHED FOR (II): | 0 |
| RECOVERED: | 0 |
| IDENTIFIED: | 0 |

| NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): | 0 |

| NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): | 0 |

**REMARKS:**

* Photos used for booth compilation. Their centers do not appear on the manuscript:
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<th>Completion Date</th>
<th>Remarks</th>
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<td>February, 1970</td>
<td>Superseded</td>
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<td>Pending Field Edit.</td>
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<td>Field Edit Applied</td>
<td>Sept. 1971</td>
<td>Superseded</td>
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<tr>
<td>Final Review</td>
<td>Jan. 1974</td>
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SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT TP-00036

This 1:10,000 scale shoreline manuscript is one of 16 maps that comprise Project Ph-6902, Lake Borgne, MISS. - LA. It includes the lower reaches of the Jourdan River and the west side of St. Louis-Bay and is entirely within the state of Mississippi.

The only field work prior to compilation was recovery and premarking of horizontal control required for aerotriangulation.

Hurricane Camille, which struck the Gulf Coast in August, 1969, caused extensive damage and shoreline changes in the mapping area. Bridging photography at 1:30,000 scale, was taken in June 1969. In general, piers and roads were compiled with the B-8 plotter, using diapositives of the bridging photographs. New photography was taken at 1:20,000 scale in October 1969. Shoreline was compiled graphically from these because they were taken after the hurricane and were of much better tonal quality.

Field edit was done in the fall of 1970.

Final review was done at the Atlantic Marine Center in January 1974.

The original manuscript was a stableline sheet five minutes in latitude by five minutes in longitude.

A negative and a cronaflex positive copy of the final reviewed manuscript were forwarded for record and registry.
FIELD INSPECTION REPORT

PH - 5902

TP-00036

There was no field inspection prior to compilation.
Shoreline Mapping, Lake Borgne, La.

FIELD

JOB PH-6902

Premark was done in accordance with Instructions received 29 April, 1969.

All stations were premarked using panel array no. 2.

MILT, 1969 was established in target area no. 4 on flight line 30-1. Permission to establish MILT, 1969 as third-order was obtained from C-1413.

Photography was completed on 3 June 1969.

Respectfully Submitted,

Dale M. Fuller
Dale M. Fuller
Photo Party 61
Pass Christian, Miss
21. Area Covered

This project dealt with an area on the Mississippi Gulf Coast in the Mississippi Sound - St. Louis Bay area. T-sheets covering this area are as follows:

1:10,000 sheets:

/ TP-00036, TP-00037, TP-00038, TP-00039

1:20,000 sheets:

TP-00041

22. Method

Strip #1 (Photos 69-L(C)-9449-62) was bridged on the Zeiss C-8 stereoplanigraph. Strip #3 (Photographs 69-L(C)-9408-16) was bridged on the Zeiss C-5 stereoplanigraph.

Strip #2 was not bridged. It was decided that the side overlap of Strips #1 & 3 was such that the bridging of Strip #2 was unnecessary. Model 9469-70 in Strip #2 can be controlled using tie points 69-L(C)-5780, 12801, 13801, 13802, 13803 and 13804 from the other strips.

Strips #1 and #3 were adjusted using the conventional aero-triangulation strip adjustment method.

23. Adequacy of Control

The location and number of horizontal control points was adequate for both Strip #1 and Strip #3. All control was held to within acceptable limits.

Strip #1 was adjusted using five of the eight horizontal control stations in the strip. Strip #3 was adjusted using all three control stations in the strip plus tie point #65801 from Strip #1.

24. Supplemental Data

None
25. Photography

The photography for this project was acceptable but was darker than desired. Darkness became especially objectionable near the corners of the models. All of the photography suffered from this trouble.

For some reason no fiducials appeared on the photography. The fiducial lights in the camera were probably not operating at the time of photography.

Submitted,

Robert E. Fisher

Approved and forwarded,

Henry F. Eichert
Chief, Aerotriangulation Section
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>LATITUDE OR Y COORDINATE</th>
<th>DISTANCE FROM GRID OR PROJECTION LINE IN METERS (F. Pt. or 3048000 Meters)</th>
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<tr>
<td>Cape Reference</td>
<td>300892</td>
<td>30° 22' 14.600&quot;</td>
<td>449.6 (1398.0)</td>
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<tr>
<td>Mark No. 2, 1958</td>
<td>1028</td>
<td>89° 20' 52.079&quot;</td>
<td>1390.6 (211.5)</td>
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<tr>
<td>Crump, 1958</td>
<td>300892</td>
<td>30° 21' 31.672&quot;</td>
<td>975.3 (872.3)</td>
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<tr>
<td></td>
<td>1031</td>
<td>89° 24' 57.232&quot;</td>
<td>1528.4 (73.9)</td>
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31. **DELINEATION**

1:40,000 scale color diapositives were supplied for use on the Wild B-8-stereo-plotter. The tonal quality of the diapositives was very poor. They had a very dominate blue tint to them and the edges were dark. However, all roads and piers were delineated by B-8 method. Also, points were dropped common to the 1:20,000 scale color ratios which were processed for photo hydro support. Graphic compilation of the mean high water line, mean low water line, marsh and shallow limits was accomplished with the use of the 1:20,000 scale.color ratios, the quality of which was very good.

The Jourdan River and Rotten Bayou could not be extended to the neat limits of the sheet because of inadequate photo coverage.

There was no field inspection.

32. **CONTROL**


33. **SUPPLEMENTAL DATA**

None

34. **CONTOURS AND DRAINAGE**

Contours are inapplicable.

Drainage was delineated from office interpretation of the photographs.

35. **SHORELINE AND ALONGSHORE DETAILS**

The shoreline and alongshore details were delineated from office interpretation, of the photographs.
36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

1 Form 76-40 Fixed Aids to be Charted were submitted to Rockville office on Feb., 1974, Chart Letter No. 252.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions were made with TP-00037 to the east, TP-00038 (1:10,000) and TP-00041 (1:20,000) to the south. There are no contemporary surveys to the west and north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparisons were made with U.S.G.S. Quadrangles BAY ST. LOUIS, MISS., KILN, MISS., and WAVELAND, MISS., scale 1:24,000 and dated 1956, 1959 and 1956 respectively.

47. COMPARISON WITH NAUTICAL CHARTS


ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.
Submitted by:

A.L. Shands
Cartographer
2-24-70

Approved for forwarding:

Jeffrey G. Carlen, CDR, NOAA
Chief, Coastal Mapping Division, AMC

Approved:

Alfred C. Holmes, RADM, NOAA
Director, Atlantic Marine Center
GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6902 (Mississippi Sound, Miss. La.)

TP-00036

Bayou Brewer
Bayou Enceinte
Bayou La Croix
Breath Bayou
Cameron Island
Catfish Bayou
Cedar Point
Cutoff Bayou
Cutoff Lake
Edwards Bayou
Joes Bayou
Jourdan Bayou
Mallini Bayou
Rotten Bayou
St. Louis Bay
Umbrella Bayou
Watts Bayou

Prepared by:

Chas. E. Harrington
Staff Geographer
**PHOTOGRAFMETRIC OFFICE REVIEW**

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<th>2. TITLE</th>
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**CONTROL STATIONS**

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<th>6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)</th>
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**BENCHMARKS**

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<th>9. PLOTTING OF SEXTANT FIXES</th>
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**ALONGSHORE AREAS (Nautical Chart Data)**

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<th>14. ROCKS, SHOALS, ETC.</th>
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<th>17. LANDMARKS</th>
<th>18. OTHER ALONGSHORE PHYSICAL FEATURES</th>
<th>19. OTHER ALONGSHORE CULTURAL FEATURES</th>
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<th>22. PLANETABLE CONTOURS</th>
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<th>24. CONTOURS IN GENERAL</th>
<th>25. SPOT ELEVATIONS</th>
<th>26. OTHER PHYSICAL FEATURES</th>
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**CULTURAL FEATURES**

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**BOUNDARIES**

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**MISCELLANEOUS**

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<th>34. JUNCTIONS</th>
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<th>37. DESCRIPTIVE REPORT</th>
<th>38. FIELD INSPECTION PHOTOGRAPHS</th>
<th>39. FORMS</th>
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<th>SUPERVISOR, REVIEW SECTION OR UNIT</th>
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<tbody>
<tr>
<td>Charles H. Bishop</td>
<td>3-5-70</td>
<td>Albert C. Rauck, Jr.</td>
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**REMARKS**

Field Edits Applied From: 69-L(C) 6244
69-L(C) 6230
Field Edit Ozalid and Cronaflex

**FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT**

Additional and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

**COMPLETER**: H. Gann  
**DATE**: Sept. 71  
**SUPERVISOR**: C. Flood  
**DATE**: Sept. 21, 1971
FIELD EDIT REPORT
TP 00036
JOURDAN RIVER
PH 6902
LAKE BORGNE, MISSISSIPPI-LOUISIANA

52. ADEQUACY OF COMPILATION

Compilation was adequate considering no previous field inspection. Several piers and piling, omitted or erroneously delineated during compilation, were located by planetable in the Cedar Point area. Several piling, piers and dolpins were located by sextant fix along the Jourdan River.

54. RECOMMENDATIONS

None.

56. LANDMARKS AND AIDS TO NAVIGATION

No landmarks were recommended for this sheet.

Two aids to navigation were recommended for charting; Jourdan River Channel Dybn. 7 was located by theodolite cuts while Dybn. 9 was located by planetable cuts.

57. ADDITIONAL INFORMATION

The following color prints contain field edit notes: 69L6244 and 69L6230. All corrections to the manuscript were made in violet ink on the photographs, paper and cronaflex prints of the manuscript and indexed on the field ozalid. All triangulation stations were recovered and a Form 526 submitted for each.

Respectfully submitted,

Dale M. Fuller
Survey Technician, December, 1970

Roger P. Hewitt

Roger P. Hewitt
LTJC/NOAA
Chief, Photo Party 61
**NONFLOATING AIDS FOR CHARTS**

**Coastal Mapping Division Norfolk, Va**

Sept. 1971

The following objects have been inspected from seaward to determine their value as landmarks:

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<thead>
<tr>
<th>JOB NUMBER</th>
<th>SURVEY NUMBER</th>
<th>DATUM</th>
<th>POSITION</th>
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<th>DESCRIPTION</th>
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<td></td>
<td><strong>DAY</strong></td>
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<td></td>
<td>B'ACON</td>
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*This value differs from the value on Form 76-40 dated Dec. 1970 (Field Edit). The value on this form is correct; it was checked against the position on chart sheet H-9156 and the G.P.I. hydrographic records. The position on H-9156 is the same as the position on TP-00036.*

C.H.B. 1/6/74
REVIEW REPORT TP-00036

SHORELINE

JANUARY 18, 1974

61. GENERAL STATEMENT:

See Summary on page six of this descriptive report.

An ozalid comparison print, showing differences noted in Par. 62 through 64, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

East of Long 89° 22' 30" a comparison was made with T-9379 N/2, scale 1:10,000 dated Aug., 1956 and west of Long 89° 22' 30" a comparison was made with T-9788, scale 1:20,000, dated Sept., 1956. Shoreline changes were noted on the north shore of St. Louis Bay, Cutoff Lake, Bayou Enciente. Land development has added shoreline in the form of canals on the southwest side of the Jourdan River, south of the mouth of Bayou La Croix. These differences are shown in blue on the comparison print.

TP-00036 supersedes previous topographic surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with the following U.S.G.S. Quadrangles:

   Waveland, Miss., 1:24,000 scale dated 1956
   Bay St. Louis Miss., 1:24,000 scale dated 1956
   Kiln, Miss., 1:24,000 scale dated 1959

These maps are copies of C & GS maps listed in Par. 62; therefore, differences are the same.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with Boat sheet H-9156, scale 1:10,000 surveyed in 1970. Wrecks at Lat. 30° 20.3', Long, 89° 22.3' and Lat. 30° 20.8', Long 89° 21.4' were not visible on photographs of the area and were not mapped on TP-00036.
65. **COMPARISON WITH NAUTICAL CHARTS:**

A comparison was made with Chart 876-SC, 1:40,000 scale, 8th edition, dated Sept. 2, 1972. No significant differences were noted.

66. **ADEQUACY OF RESULTS AND FUTURE SURVEYS:**

This map complies with project instructions and meets the requirements of the National Standards of Map Accuracy.

Reviewed by:  
Charles H. Bishop  
Cartographer

Approved for forwarding:  
Jeffrey G. Carlen, CDR, NOAA  
Chief, Coastal Mapping Division, AMC

Approved:  
Alfred C. Holmes, RADM, NOAA  
Director, Atlantic Marine Center

Approved:  
Chief, Photogrammetric Branch  
Chief, Coastal Mapping Division
COMPARISON PRINT

Blue = T-9788 and U.S.G.S.

Cutoff Lake
No canals on T-9788 or USGS

COMPARISON PRINT

Blue = T-9788 and U.S.G.S.

NOTE: Unlabeled circles are plot points, not map features

TP-00036
1:10,000