15012 THRU 15015

NOAA FORM 76-35

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

# DESCRIPTIVE REPORT

*Type of Survey* Storm Evacuation Mapping

*Job No.* CM-7204 *Map No.* T-15012 thru T-15015

*Classification No.* *Edition No.* 1st

## LOCALITY

*State* Texas

*General Locality*

*Locality* Corpus Christi, Texas

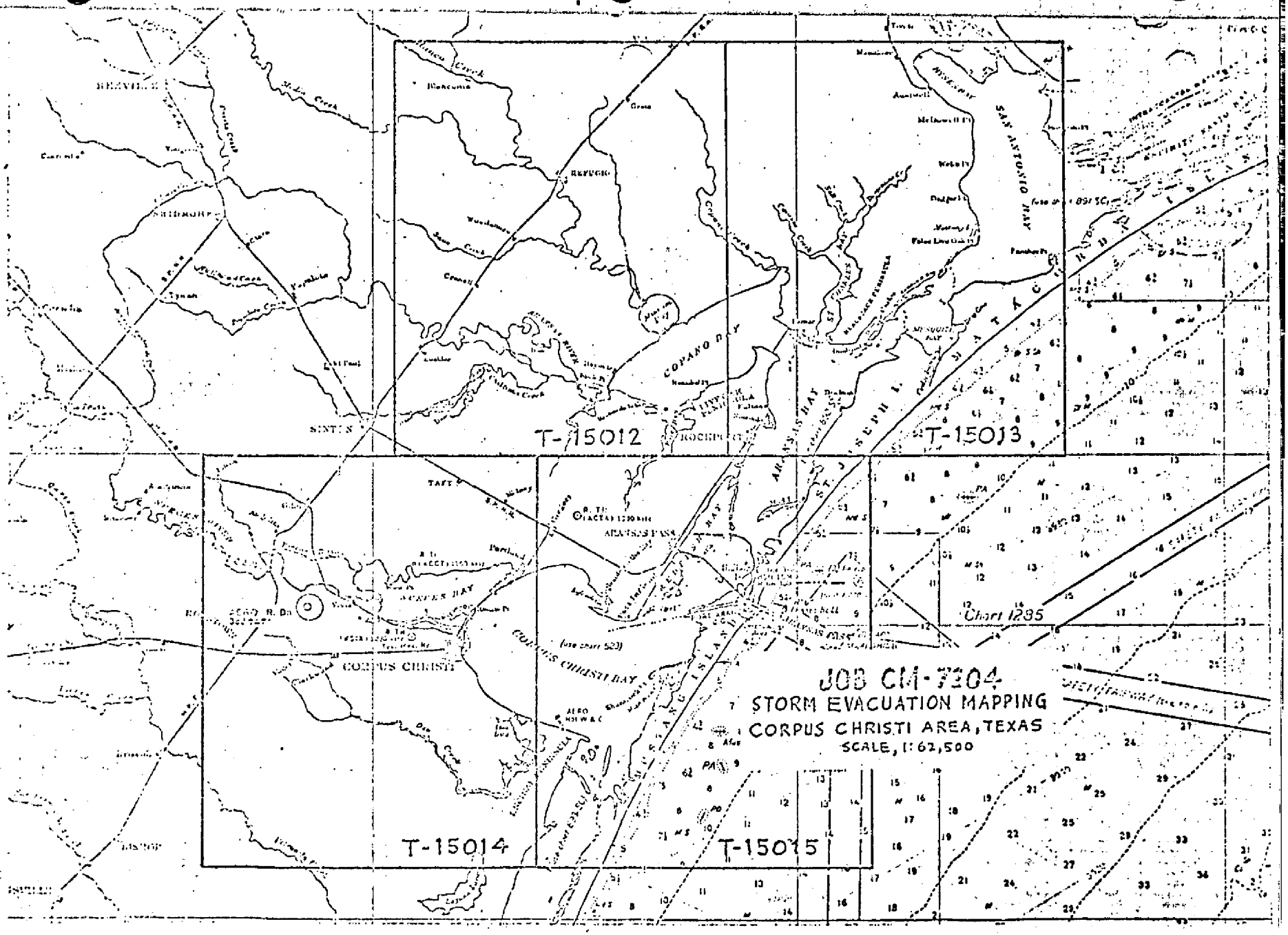
19 72 TO 1972

## REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1973-761-775

15012 THRU 15015


JOB CM-7304
STORM EVACUATION MAPPING
CORPUS CHRISTI AREA, TEXAS
SCALE, 1:62,500
T-15012
T-15013
T-15014
T-15015
Chart 1285
COPANO BAY
ARANSAS BAY
SAN ANTONIO BAY
CORPUS CHRISTI BAY
CORPUS CHRISTI
SINTON
REFUGIO
ROCKPORT
TAFT
ARANSAS PASS
ST. JOSEPH I.
MATAGORDA ISLAND
MUSTANG ISLAND
(use chart 523)

# STORM EVACUATION MAPPING

The Storm Evacuation Mapping Program is a series of maps prepared by NOS at a scale of 1:62,500 in cooperation with the National Weather Service.

They are assigned to provide evacuation information in the event of severe coastal storms. Shown on the maps are principal evacuation routes, critical elevations along these routes, and five-foot contours with color gradients for guidance to high ground.

Details are sufficiently clear so that the maps can be reproduced by mass-communication media, including newspapers and television.

The program will eventually cover those areas of the Gulf and East Coasts which are vulnerable to flooding as a result of tropical cyclones and hurricanes.

Guidance and data received by National Ocean Survey from the National Weather Service include priority areas to be mapped, historical hurricanes and coastal storm-water levels at selected locations.

The maps are used by authorized emergency officials to determine probable areas of inundation by relating predicted maximum water elevations to the map contours.

The body of the map includes delineation of the main evacuation routes and feeder routes, low points along the road that might be engulfed, and high areas which are likely to remain above flood waters, thus affording some degree of refuge. These critical elevations are spaced on the map at intervals of at least two miles.

Both surfaced and unsurfaced evacuation roads are identified, along with county, state, and federal route designations, and the number of lanes for each road.

Contours on the maps provide a means of estimating areas of possible flooding. These areas are shown in increments of 5 and 10 feet in distinctive color tones.

Urban populations and normal and summer populations of resort areas are also shown.

A data block on each map gives the storm-water levels at selected locations of previous hurricanes.

Submitted:

A.K. Heywood
November 23, 1973

Storm Evacuation Mapping
CM - 7204
Corpus Christi, Texas
T-15012 thru T-15015

This project consists of four manuscripts compiled at a scale of 1:62,500.

T-15012 U.S. Geological Survey Quads - 1:62,500

Refugio (1954)
Vidauri (1954)
Woodsboro (1954)
Rockport (1954)

T-15013 U.S. Geological Survey Quads - 1:24,000

Tivoli (1952)
Tivoli S.W. (1952)
Tivoli S.E. (1952)
Austwell (1952)
Seadrift (1952)
Mosquito Point (1952)
St. Charles Bay (1952)
Mesquite Bay (1952)
Panther Point (1952)
St. Charles Bay S.W. (1952)
St. Charles Bay S.E. (1952)

Vidauri (1954) 1:62,500
Rockport (1954)

T-15014 U.S. Geological Survey Quads- 1:62,500

Robstown (1954)
Petronila (1954)
Corpus Christi (1951)

Oso Creek N.W. (1968) 1:24,000
Oso Creek N.E. (1968)
Portland (1968)
Corpus Christi (1968)

T-15015 U.S. Geological Survey Quads -

| | |
|---|---|
| Corpus Christi (1951) | 1:62,500 |
| Oso Creek N.E. (1968) | 1:24,000 |
| Portland (1968) | |
| Aransas Pass (1954) | |
| Estes (1954) | |
| Allyns Bight (1951) | |
| Port Ingleside (1968) | |
| Port Aransas (1968) | |
| Crane Islands N.W. (1968) | |
| Crane Islands S.W. (1968) | |

The field work for this project was started April 4, 1972, and completed in June, 1972.

These maps were published in November 1972.

Submitted by:

J.B. Phillips

J.B. Phillips

Federal Records Center

List of all materials with field annotations.

Manuscripts: T-15012, T-15013, T-15014, and T-15015

4 Wye Level books (one for each manuscript)

Quads: U.S. Geological Survey -

| | | |
|---|---|---|
| Rockport, Texas | 1954 | 1:62,500 |
| Refugio, Texas | " | " |
| Woodsboro, Texas | " | " |
| Corpus Christi, Tex. | 1951 | " |
| Oso Creek, Texas | 1951 | " |
| Robstown, Texas | 1954 | " |
| Petronila, Texas | 1954 | " |
| Corpus Christi, Texas | 1968 | 1:24,000 |
| Oso Creek N.W., Texas | " | " |
| Crane Islands N.W., Tex. | 1968 | " |
| Aransas Pass, Tex. | 1954 | " |
| Estes, Tex. | 1954 | " |
| Port Aransas, Tex. | 1968 | " |
| Oso Creek, N.E.,Tex. | 1968 | " |
| Oso Creek N.E., Tex. | 1951 | " |
| Port Ingleside, Tex. | 1954 | " |
| Crane Islands S.W., Tex. | 1968 | " |
| Seadrift, Tex. | 1952 | " |
| Austwell, Tex. | 1952 | " |
| Tivoli, Tex. | 1952 | " |
| Tivoli, S.W., Tex. | 1952 | " |
| St. Charles Bay, Tex. | 1952 | " |
| Mesquite Bay, Tex. | 1952 | " |
| Tivoli, S.E., Tex. | 1952 | " |

City of Aransas Pass, Texas, Revised October 1971

Bureau Archives

Copy of published maps
Descriptive Report (one report for T-15012 thru T-15015)

Reproduction Division

Negatives of the published maps are field by "T" number in the Reproduction Division.

STORM EVACUATION MAPPING

Job CM 7204

Map T-15012

April, 1972

Respectfully submitted,

Dale M. Fuller

Dale M. Fuller
Chief, Photo Party 63
N.O.A.A. - N.O.S.

General :

Field work was commenced on 4 April, 1972 and completed 2 May, 1972. All field work was done in accordance with Project Instructions dated 3 February, 1972.
The area encompassed by this Map is dominated by several small communities along the shoreline. The principal industries being commercial fishing and tourism. The inland portion of this map is sparsely settled. The main industry is farming.

Critical Elevations ;

Critical elevations were determined in accordance with Project Instructions and indexed as instructed.

Evacuation Routes :

Determination of evacuation routes was done with the advice of Mr. Mozeney of the NWS of Corpus Christi, Texas.
Routes were designated by name or number, number of lanes and road surface.

Contours :

The USGS quadrangles provided the 5 foot contour interval to include the requirements of this mapping project. One contour was found in error and delineated on the Rockport Quad and ozalid.

Notes to Compilation :

The ozalid copy of this Map should be considered as a complete inventory of all evacuation routes. Routes compiled on the ozalid and not used were crossed out in green ink. New routes were delineated in violet ink.
The two Quads on the East border of this Map overlap Map T-15013. The following critical elevations shown on these Quads will be applicable to Map T-15013; 010, 011, 012, 013, 017, 018, 020, 021, 022, 023, 024, 025, 028, 029, 043, 066, 067, 070.

STORM EVACUATION MAPPING

MAP T-150123

ROCKPORT, TEXAS JOB CM-7204

JUNE, 1972

Dale M. Fuller

Dale M. Fuller
Chief, Photo Party 63
N.O.A.A. - N.O.S.

STORM EVACUATION MAPPING

MAP T-15013

General:
Field work was done in accordance with Project Instructions dated 3 February, 1972.
The area encompassed by this map is mainly farmland and includes the Aransas National Wild Life Refuge.

Critical Elevations:
Critical elevations were determined in accordance with Project Instructions, marked and indexed as instructed.
Critical elevations CC010,011,012,013,017,018,020,021,022,023,024, 025,028,029,043,066,067 and 070 were submitted with the data for Map T-15012 as the USGS Quads for Map T-15012 included the western portion of this Map.

Evacuation Routes:
Mr. Mozeney and Mr. Jones of the N.S were contacted and their assistance was provided in the selection of evacuation routes.
The ozalid copy of this Map should serve as an complete inventory of all evacuation routes selected. Two new roads were selected in addition to those shown on the field edit manuscript. One road is shown on the USGS Quad and is outlined in red pencil to aid compilation. The other road was located by planetable and outlined in red ink on the respective USGS Quads.

Levees:
Numerous levees are shown on the Quads. Field investigation shows that they are spoil banks for drainage ditches. The County Surveyor and U.S. Corps of Engineers were contacted and both stated they have not built or are maintaining any levees.
On Aransas National Wild Life Refuge there is a Levee. Several elevations were determined along the levee. They were recorded in the Wye level volume and delineated (red dots) on the Quads. However it is the general consensus that this levee would be of little use in the event of a storm and spot elevations represent the general elevation of the levee.

Photography:
Aerial photos were ordered but not used as the road located by planetable doesn't appear on the photos.

Notes to Compilation:
Attention should paid to sub -paragraphs Critical Elevations and Evacuation Routes of this report.

Respectfully submitted,

Dale M. Fuller, C.O.A.A.

STORM EVACUATION MAPPING

MAP T-15014 JOB CM 7204

Photo Party 63

May, 1972

Respectfully submitted,

Dale M. Fuller

Dale M. Fuller
N.O.A.A. - N.O.S.
Chief, Photo Party 63

Storm Evacuation Mapping

Map T-15014 Job CM 7204

**General:**
Field work was done in accordance with Project Instructions dated 3 February, 1972.
The area encompassed by this Map consists of the Greater Corpus Christi area.
This Map is being submitted prior to Map T-15013 due to difficulty in obtaining a map of new road locations in Map T-15013.
Critical elevations were started with CC130 to insure an adequate number of critical elevations to complete Map T-15013.

**Critical Elevations:**
Critical elevations were determined in accordance with Project Instructions, marked and indexed as instructed. However CC133, 134,135,136,137,142,171,172 and188 apply to Map T-15015.

**Seawalls:**
One seawall was noted and delineated on the Corpus Christi 7½ minute quadrangle. The average elevation being 13.5 feet.

**Evacuation Routes:**
To eliminate clutter evacuation routes were classified and named on the ozalid copy of this Map.

**Notes to Compilation:**
The ozalid copy of this Map should serve as an inventory for all evacuation routes. Those to be deleted were crossed out in green ink. Critical elevation numbers 133, 134, 135, 136, 137, 142, 171, 172 and 188 apply to Map T-15015.

**N.W.S. Contact:**
Mr. Mozeney of the NWS Corpus Christi, Texas was informed of this project and his assistance was provided in the selection of evacuation routes.

**Adequacy of USGS Quads:**
The later editions of the quads are adequate. No contour changes were noted. In some areas of the 15 minute quads the road system has changed. The county and city maps submitted should clarify these changes.

Respectfully submitted,

Dale M. Fuller

Dale M. Fuller
N.O.A.A. - N.O.S.
Chief, Photo Party 63

STORM EVACUATION MAPPING

MAP T-15015 Job CM 7204

JUNE, 1972

Storm Evacuation Mapping
Map T-15015

General:
Field work was done in accordance with project instructions dated 3, February, 1972.
The area encompassed by this map is generally low and the principal industries being tourism and commercial fishing.

Critical Elevations:
Critical elevations were determined in accordance with project instructions, marked and indexed as instructed. Critical elevations CC 133, 134, 135, 136, 137, 142, 171, and 188 were submitted on data submitted with Map T-15014.

Seawalls:
One seawall was noted and is correctly shown on the Port Aransas Quadrangle. Three elevations were determined on this seawall and are representative of its elevation.

Ferry Routes:
One ferry was noted and is correctly shown on the Port Aransas Quadrangle.
Evacuation Routes:
To eliminate clutter evacuation routes were classified and named on the Ozalid copy of this map.

Ozalid:
The ozalid should serve as a complete inventory of all evacuation routes.

Adequacy of USGS Quads:
Several new roads or locations of routes have been changed since published date of the quads. However their location is correctly on the ozalid copy of this map.

Contour:
The 5' contour is shown or described on the new location of state 361 from Aransas Pass to Port Aransas.

NWS Contact:
Same as T-15014
Mr. Mooney of the NWS Corpus, Texas was informed of this project and his assistance was provided in the selection of evacuation routes.

Respectfully submitted
Dale M. Fuller
Dale M. Fuller
N.O.A.A. - N.O.S.
Chief, Photo Party 63