

T-12282

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE (Photo)Field No. _____ Office No. T-12282

LOCALITY

State SOUTH CAROLINAGeneral locality WINYAH BAY TO CHARLESTON HARBORLocality CHARLESTON HARBOR1962-1963

CHIEF OF PARTY

W. M. Reynolds, Chief of Field Party
J. C. Bull, Norfolk Regional Office

LIBRARY & ARCHIVES

DATE _____

12282**12282**

DESCRIPTIVE REPORT - DATA RECORD

T - 12282

PROJECT NO. (II):

21058 (Ph-6216)

FIELD OFFICE (III):

Georgetown, S. C.

CHIEF OF PARTY

W. M. Reynolds

PHOTOGRAMMETRIC OFFICE (III):

Tampa, Florida

OFFICER-IN-CHARGE

J. C. Bull

INSTRUCTIONS DATED (II) (III):

Oct. 8, 1962	Field	
Nov. 5, 1962	Office	
Feb. 20, 1963	"	Amendment I
April 26, 1963	"	" II
Oct. 10, 1963	"	Supplement I

METHOD OF COMPILATION (III):

Kelsh Plotter

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:6,000 Pantographed 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):

GEOGRAPHIC DATUM (III):

NA 1927

VERTICAL DATUM (III): MHW

~~XXXXXX~~ EXCEPT AS FOLLOWS:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

REFERENCE STATION (III):

WILT (USE) 1933

LAT.:

32°45'07".869 (242.4m)

LONG.:

79° 55' 02.877 (74.9m)

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

y = 336,003.17 ft.

x = 2,332,816.58 ft.

STATE

South Carolina

ZONE

South

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE,
OR (IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II):		DATE:
M. A. Stewart		May 1963
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):		
Air photo compilation April 2, 1962		
PROJECTION AND GRIDS RULED BY (IV):		DATE
A. E.		Feb. 1963
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
L.F.B.		Feb. 1963
CONTROL PLOTTED BY (III):		DATE
V. P. Cackowski		June 1963
CONTROL CHECKED BY (III):		DATE
R. J. Pate		June 1963
STEREOSCOPIC STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
W. O.		April 1963
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
	R. Wagner R. Pate R. Purvis	Aug. 1963
	Inapplicable	
MANUSCRIPT DELINEATED BY (III): J. Honick		DATE
# Reviewed by: R. Wagner		Sept. 1963 Nov. 1963
SCRIBING BY (III): V. P. Cackowski		DATE
Reviewed by: W. H. Shearouse		Feb. 1964 Feb. 1964
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
I. I. Saperstein		Sept. 1964
REMARKS:		
FIELD EDIT - 1963		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Camera S

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62-S-4281	April 2, 1962	10:20	Diapositives 1:30,000	+0.1
4282	"	"		"
4283	"	10:21		"
62-S-4581	"	14:36		+1.9
thru	"			
4585	"	14:37		"

Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Charleston (Custom house wharf)		5.1	6.0
SUBORDINATE STATION:			
SUBORDINATE STATION:			

NORFOLK FINAL
WASHINGTON OFFICE REVIEW BY (IV): M.M. SLAVNEY

DATE:
Nov. 1965

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 21

RECOVERED: 14*

IDENTIFIED: 2

NUMBER OF BM(S) SEARCHED FOR (II):

20

RECOVERED: 19

IDENTIFIED: 2

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): none

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): none

REMARKS:

Two intersection stations were established by the field party.

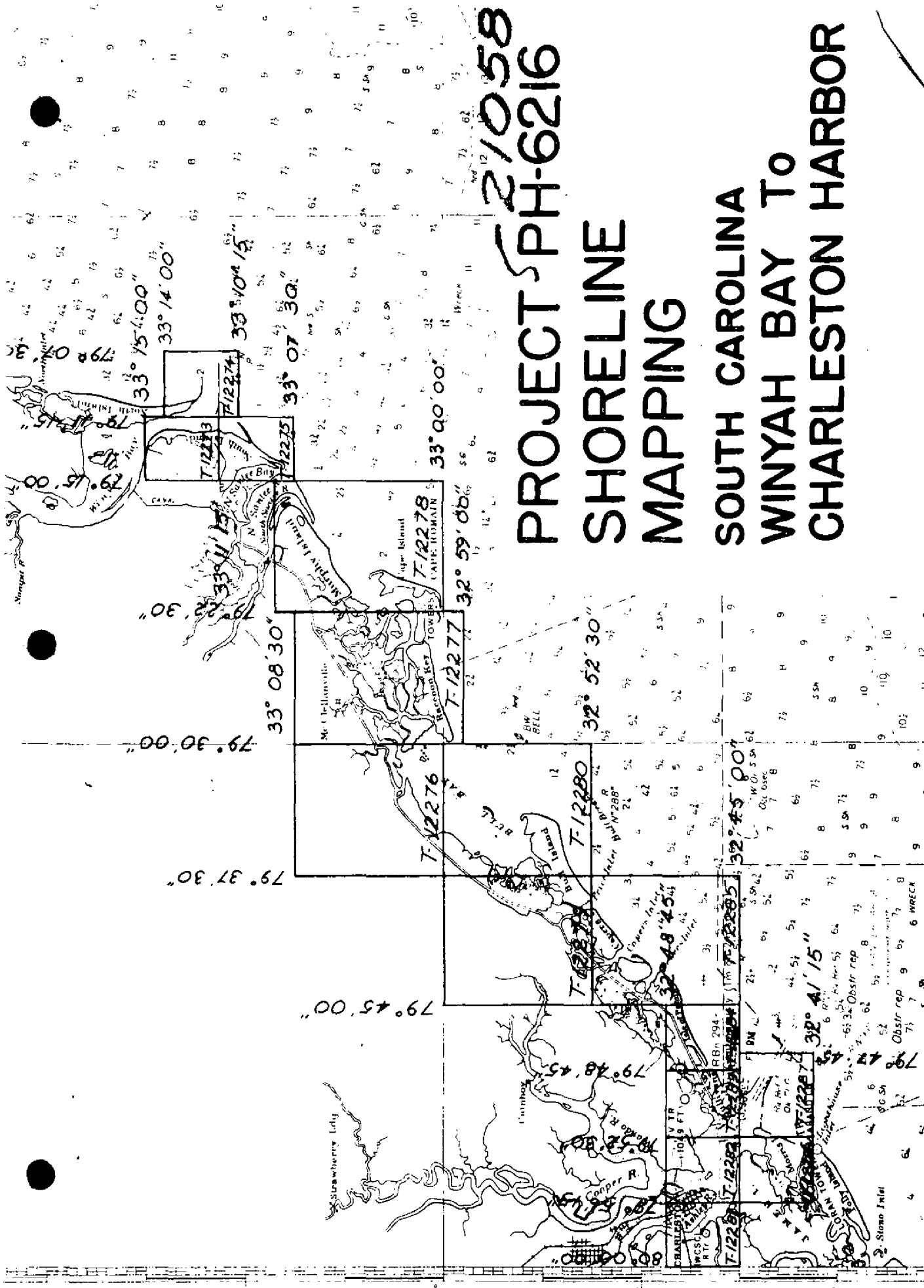
T-12282

COMPILATION RECORD

COMPLETION DATE

REMARKS

Alongshore area for hydro	July 1963	Superseded
Alongshore area revised from field edit. Interior details added. Compilation complete	Oct. 1963	



2/058

PROJECT PH-6216

SHORELINE MAPPING

SOUTH CAROLINA WINYAH BAY TO CHARLESTON HARBOR

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORTS T-12281 and T-12282

Shoreline manuscripts T-12281 and T-12282 are two of nine 1:10,000 scale manuscripts in Project 21058 (Winyah Bay to Charleston, South Carolina), which also contains six 1:20,000 scale manuscripts. The sketch on page 5 of this report shows the position of these manuscripts in the project.

This is a stereoscopic instrument project in advance of hydrographic surveys of the area. 1:30,000 scale panchromatic photographs were taken with the "S" camera on April 2, 1962. The stereo bridge was run and adjusted to field identified control in the Washington Office. Compilation was done with the Kelsh Plotter. 1:10,000 scale ratio cronapaque prints were processed and provided for photo hydro support.

The field operations preceding compilation included field inspection and identification of control to be used in the stereo bridge. The manuscripts were later field edited in conjunction with photo hydro support.

The compilation manuscripts were vinylite sheets 3.75 minutes in latitude and longitude. The smooth manuscripts were on cronaflex for review. One cronar positive and one cronar negative of each manuscript are furnished for registry and record after final review.

FIELD INSPECTION REPORT
PROJECT PH-6216
MAP T-11282

Please refer to Field Inspection Report submitted with map
T-11281 for all information pertaining to this map.

William M. Reynolds
William M. Reynolds
Chief, Sub-unit Photo.
Party 6420

AEROTRIANGULATION REPORT

T - 12282

Submitted with T-12281.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 12222 PROJECT NO. Ph 6216 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
WILT (U.S.E.) 1933	60	N.A. 1927	336,003.17 2,332,816.58	10	2414.0				VPE 4/10/63
ISLAND (U.S.E.) 1933	37	"	356,581.19 2,331,779.12	10	8686.2				"
RIPLEY DAY BEACON 1933	110	"	340,632.12 2,336,478.06	10	3824.9				"
BATTERY 3 (U.S.E.) 1933	60	"	342,197.43 2,329,226.55	10	4289.8				"
MICHAEL WINDMILL 1933	61	"	335,814.77 2,329,606.96	10	2356.5				"
MILL (U.S.E.) 1933	60	"	337,299.25 2,326,983.29	10	2809.0				"
LINE (U.S.E.) 1933	60	"	344,782.36 2,335,254.02	10	5089.9				"
HORSE, 1933	60	"	348,247.96 2,338,232.31	10	1786.8				"
CHARLESTON, ST. PHILIPS CHURCH, SPRUE, 1930-1933	61	"	345,657.80 2,328,998.46	10	5356.7				"
CHARLESTON, ST. MATTHEWS LUTHERAN CHURCH SPRUE, 1932	23	"	348,468.29 2,326,575.91	10	6213.3				"
QUARANTINE WATER TANK 1921,	29	"	336,196.30 2,338,608.13	10	2472.8				"
CHARLESTON EPISCOPAL CHURCH SPRUE, 1932	23	"	344,670.31 2,328,552.64	10	2809.2				"

1 FT. = 3048006 METER

COMPUTED BY: D. Dorian

DATE 6/5/63

CHECKED BY: P.P. Hagan

DATE 6/6/63

COMM. DC-57843

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORTCOAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T-12282

PROJECT NO. Ph. 6216

SCALE OF MAP

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
✓ FORT JOHNSON, SOUTH TANK, 1953	110	"	335,300.50 ✓ 2,338,418.67 ✓	10 2199.8 ✓ 71 2751.4 ✓					✓ PC 6/10/63
✓ CHARLESTON, SUMTER HOTEL, TANK, 1933	60	"	342,362.86 ✓ 2,328,160.15 ✓	10 4352.4 ✓ 70 9624.6 ✓					✓
✓ SOUTH CHANNEL, FRONT RANGE, 1953	110	"	328,335.00 ✓ 2,329,874.03 ✓	10 3124.7 ✓ 71 0147.0 ✓					✓
✓ JOHNSON (U.S.B.) 1934	60	"	336,808.31 ✓ 2,338,839.12 ✓	10 2354.6 ✓ 71 2879.6 ✓					✓
DRUM, 1928	13	"	358,150.74 ✓ 2,330,962.95 ✓	10 9164.6 ✓ 71 0478.9 ✓			NORTH OF SHEET		N - " ✓
✓ MOUNT PLEASANT RANGE REAR LIGHT 1963	field 703	"	347,832.99 ✓ 2,339,669.34 ✓	10 6019.7 ✓ 71 3132.6 ✓					✓
✓ FORT SUMTER RANGE REAR LIGHT 1963	"	"	337,068.86 ✓ 2,344,678.48 ✓	10 2738.8 ✓ 71 4659.4 ✓					✓
CHARLESTON NEW LIGHTHOUSE, 1963	"	"	338,269.07 ✓ 2,355,554.63 ✓	10 3104.6 ✓ 71 7974.5 ✓					✓ 5/27/63 Trans. Letter only 2 firms 5250 called for this station. This station belongs on T-12283

1 FT. = 3048006 METER
COMPUTED BY: D-228000

DATE 6/16/63

CHECKED BY: D.R. M. [signature]

DATE 6/16/63

COMM-DC-57843

COMPILATION REPORT

T-12282

Items 31 thru 47 are submitted with T-12281.

48. GEOGRAPHIC NAME LIST - T-12282

Except as noted, all geographic names were taken from the final name sheet prepared by the Washington Office on the Charleston, S. C. quadrangle scale 1:24000, edition of 1958.

ATLANTIC COAST LINE R.R.
BATTERY

CASTLE PINCKNEY
CHARLESTON
CHARLESTON HARBOR
COOPER RIVER
CRAB BANK

DRUM ISLAND

FORT JOHNSON
FORT SUMTER NATIONAL MONUMENT

GRACE MEMORIAL BRIDGE

HADDRELL POINT
HOBCAW POINT

*HOG ISLAND
HOG ISLAND CHANNEL

JAMES ISLAND YACHT CLUB

KUSHIWAH CREEK

LAWTON BLUFF

MOUNT PLEASANT

NEWMARKET CREEK

OCEAN HIGHWAY

PINCKNEY AIRFIELD

SCANLONVILLE
SHEM CREEK
SHUTES FOLLY ISLAND
SOUTH CAROLINA

THE GROVES
TOWN CREEK

US 17
US 701

*VARDELL CREEK

*Name taken from Nautical
Chart 470

GEOGRAPHIC NAMES

Ph 6216 (Winyah Bay - Charleston Bay, S.C.)

T-12282

Ashley River

The Groves

Castle Pinckney

Town Creek

Charleston

Charleston Harbor

Cooper River

Drum Island

Fort Johnson

Freewill Church

Grace Memorial Bridge

Haddrell Point

Holy Trinity Church

Hog Island

Hog Island Channel

Hog Island Reach

Horse Creek

Intracoastal Waterway

James Island

Kushiwah Creek

Mt. Pleasant

Mathis Ferry Road

Ocean Highway

Scanlonville

Shem Creek

Shutes Folly Island

A. J. Wraight

A. J. Wraight
Chief, Geographic Names

T-12282

49. NOTES FOR THE HYDROGRAPHER

No marked topographic stations were established.

The following objects appear on Chart 470 dated October 29, 1962, which could not be identified on the photographs and for which no information was received from the field party. They have been referred to the field editor for investigation.

1. - PILES, just east of MOUNT PLEASANT CHANNEL LIGHT 6.
2. - PIPES, along west side of channel entrance to SHEM CREEK.
3. - MARKERS, north of, and near the shoreline at approximate latitude $32^{\circ}45.2'$, longitude $79^{\circ}54.8'$.

13.

C&GS FORM 1002 (11-13-61)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
50		T-19363 12282	
1. PROJECTION AND GRIDS IIS	2. TITLE IIS 4a Classification label <u>unclassified</u>	3. MANUSCRIPT NUMBERS IIS	4. MANUSCRIPT SIZE IIS
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY IIS	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) IIS	7. PHOTO HYDRO STATIONS XX	
8. BENCH MARKS IIS	9. PLOTTING OF SEXTANT FIXES IIS	10. PHOTOGRAMMETRIC PLOT REPORT W.O	11. DETAIL POINTS Kelsh
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE IIS	13. LOW-WATER LINE IIS	14. ROCKS, SHOALS, ETC. IIS	15. BRIDGES IIS
16. AIDS TO NAVIGATION IIS	17. LANDMARKS IIS	18. OTHER ALONGSHORE PHYSICAL FEATURES IIS	19. OTHER ALONGSHORE CULTURAL FEATURES IIS
PHYSICAL FEATURES			
20. WATER FEATURES IIS	21. NATURAL GROUND COVER IIS		22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES IIS
CULTURAL FEATURES			
27. ROADS IIS	28. BUILDINGS IIS	29. RAILROADS IIS	30. OTHER CULTURAL FEATURES IIS
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES IIS	34. JUNCTIONS IIS		35. LEGIBILITY OF THE MANUSCRIPT IIS
36. DISCREPANCY OVERLAY XX	37. DESCRIPTIVE REPORT MMS	38. FIELD INSPECTION PHOTOGRAPHS IIS	39. FORMS IIS
40. REVIEWER W. M. S. for I. I. Saperstein		SUPERVISOR, REVIEW SECTION OR UNIT M. M. Slavney	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions 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.			
COMPILER W. M. S. for R. R. Wagner		SUPERVISOR M. M. Slavney	
43. REMARKS			

Field Edit Report - T-12282

No Field Edit Report was received.

Questions referred to the field editor on the ozalid Discrepancy Print were answered on the same print during Sept. 1963.

M. M. Slavney

REVIEW REPORT T-1228Z
SHORELINE
February 1966

See Descriptive Report for T-1228Z for this report.