

TP - 00631

TP- 00631

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
THIS MAP EDITION WILL NOT BE FIELD EDITED	
Map No. TP-00631	Edition No. 1
Job No. CM-7209	
Map Classification CLASS III (FINAL)	
Type of Survey SHORELINE	
LOCALITY	
State CALIFORNIA	
General Locality SAN NICOLAS AND SANTA BARBARA ISLANDS	
Locality SAN NICOLAS ISLAND, EAST	
19 72 TO 19	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72) <div style="text-align: center; margin-top: 5px;">           U. S. DEPARTMENT OF COMMERCE            NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.         </div> <div style="text-align: center; margin-top: 20px;"> <b>DESCRIPTIVE REPORT - DATA RECORD</b> </div>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. <u>00631</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III (Final)</u> JOB <u>PH. CM-7209</u>	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE R. Matsushige, CDR		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB <u>PH. _____</u> MAP CLASS <u>_____</u> SURVEY DATES: 19 <u>   </u> TO 19 <u>   </u>			
I. INSTRUCTIONS DATED					
1. OFFICE			2. FIELD		
Aerotriangulation      Aug. 7, 1972 Compilation              Feb. 22, 1973 Cancel field edit        Jul. 10, 1980			Horizontal Control      Feb. 18, 1972		
II. DATUMS					
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input checked="" type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)			
3. MAP PROJECTION Polyconic		4. GRID(S) STATE      ZONE California      6			
5. SCALE 1:10,000		STATE      ZONE			
III. HISTORY OF OFFICE OPERATIONS					
OPERATIONS		NAME		DATE	
1. AEROTRIANGULATION METHOD: Analytic		BY J. Keating LANDMARKS AND AIDS BY None		Nov 1972	
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat		PLOTTED BY D. Phillips CHECKED BY D. Phillips		Nov 1972 Nov 1972	
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:10,000		PLANIMETRY BY S. Kumer CHECKED BY L. Neterer, Jr. CONTOURS BY N.A. CHECKED BY N.A.		Feb 1973 Feb 1973	
4. MANUSCRIPT DELINEATION METHOD: Smooth draft SCALE: 1:10,000		PLANIMETRY BY S. Kumer CHECKED BY C. Bishop CONTOURS BY N.A. CHECKED BY N.A.		Mar 1973 Mar 1973	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		BY C. Bishop		Mar 1973	
6. APPLICATION OF FIELD EDIT DATA		BY None CHECKED BY None			
7. COMPILATION SECTION REVIEW		BY C. Bishop		Mar 1973	
8. FINAL REVIEW      Class III		BY J. Hancock		Jul 1986	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		BY J. Hancock		Aug 1986	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		BY P. Dempsey		Oct. 1986	
11. MAP REGISTERED - COASTAL SURVEY SECTION		BY E. O'Connell		Oct 86	

TP-00631  
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C.-8 "L" L=152.21 mm		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE 8th MERIDIAN 120th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72 L(C) 2263-2267 *	3/23/72	8:28	1:30,000	1.8 ft. above MLLW	
72 L(C) 2269-2271**	3/23/72	8:37	1:30,000	1.7 ft. above MLLW	
72 L(C) 2287-2289**	3/23/72	8:52	1:30,000	1.4 ft. above MLLW	
72 L(I) 2329-2332***	3/23/72	10:14	1:30,000	0.2 ft. above MLLW	
72 L(I) 2345-2347***	3/23/72	10:26	1:30,000	0.1 ft. above MLLW	
				Mean range 3.3 ft.	

REMARKS \*Bridging/compilation photographs, \*\*Hydro Support Photographs,  
\*\*\*MLLW Infrared photographs.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed photographs using stereo instrument and graphic methods.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

None compiled; ratio photographs were not available at time of compilation.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No Survey	No Survey	No Survey	TP-00630
REMARKS			

TP-00631  
HISTORY OF FIELD OPERATIONS1. ☒ FIELD INSPECTION OPERATION ☐ FIELD EDIT OPERATION  
Premarking

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	Mar 1972
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby	Mar 1972
	ESTABLISHED BY R. Melby	Mar 1972
	PRE-MARKED OR IDENTIFIED BY R. Melby	Mar 1972
3. VERTICAL CONTROL	RECOVERED BY N.A.	
	ESTABLISHED BY N.A.	
	PRE-MARKED OR IDENTIFIED BY N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE	
	<input type="checkbox"/> SPECIFIC NAMES ONLY	
	<input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
Paneled		N.A.	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
72L(C)2266	STA 3, 1968 (direct)		
72L(C)2265	B.M. Y273, 1965 (sub pt. paneled)		

## 3. PHOTO NUMBERS (Clarification of details)

None

## 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

## 7. SUPPLEMENTAL MAPS AND PLANS

None

## 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

2- Forms C&amp;GS 152

1 Field report

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit.	Mar 1973	Class III Manuscript (Field edit cancelled)	June 1973	June 1974
Final Review	Jul 1986	Final Class III Map	Sept. 3, 1986 <del>None</del>	Sept. 5, 1986 <del>None</del>

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER (pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
2		Sept. 3, 1986	Landmarks and Aids for Charts

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM 76-40 ~~76-36D~~ SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS:
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

## IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	

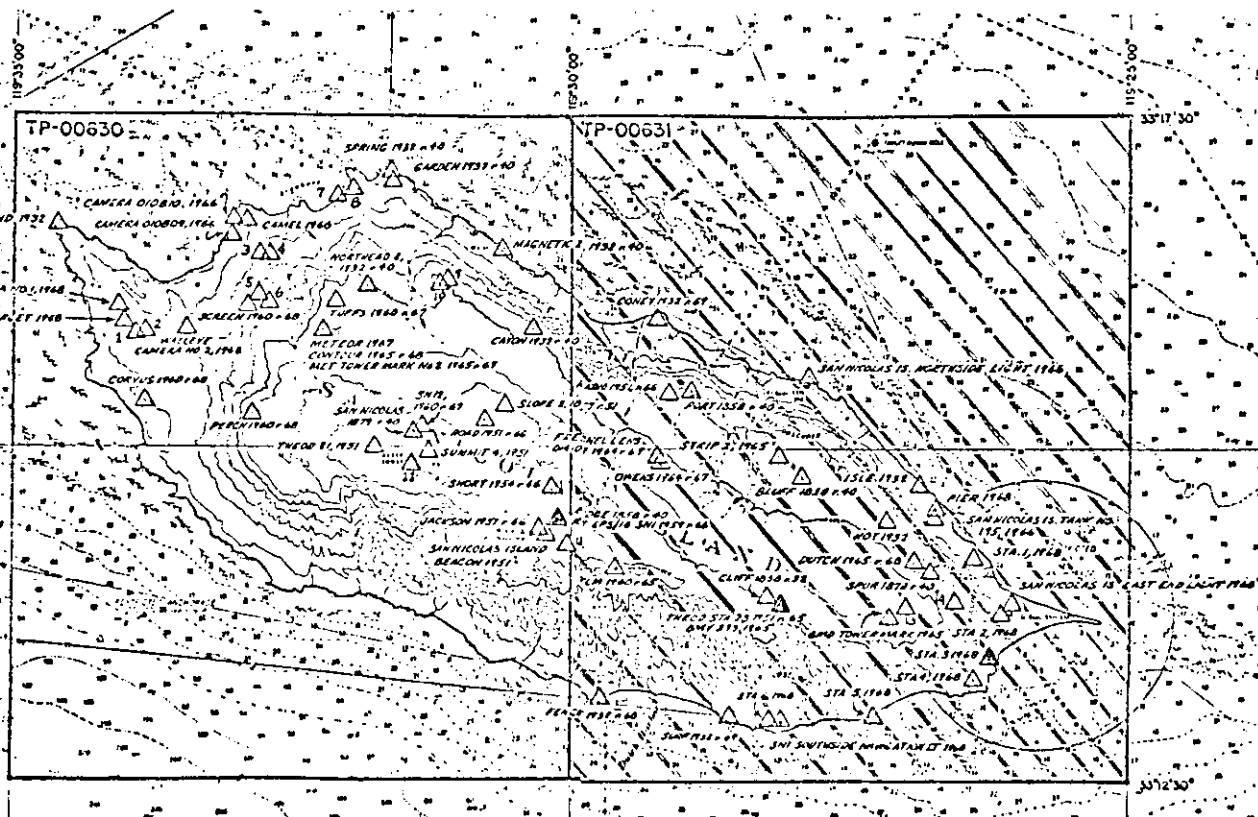
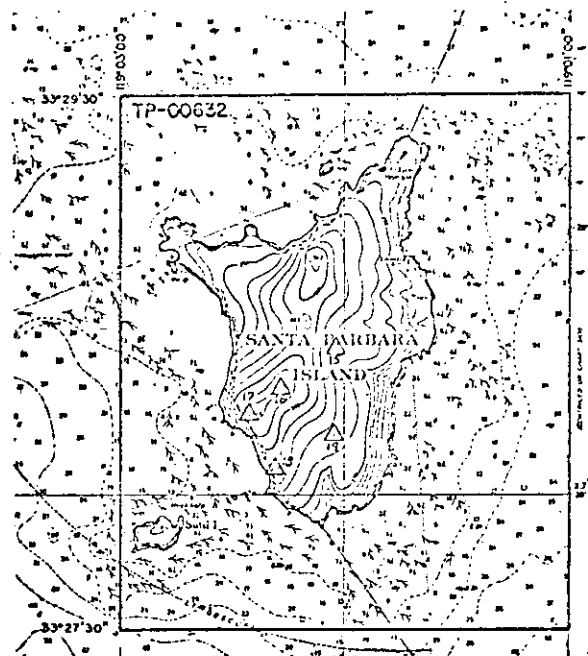
JOB CM-7209

# SAN NICOLAS & SANTA BARBARA ISLANDS, CALIFORNIA

SHORELINE MAPPING

SCALE 1:5,000 & 1:10,000

<u>SHEET NO.</u>	<u>SQ MILES</u>
TP-00630	7
TP-00631	6
TP-00632	3
<b>TOTAL</b>	<b>16</b>



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT  
TP-00631

This final Class III shoreline map is one of three maps that comprise CM-7209, San Nicolas and Santa Barbara Islands, California. This 1:10,000 scale map covers Santa Barbara Island. Two maps at 1:10,000 scale (TP-00630 and TP-00631) covers the island of San Nicolas.

The purpose of this map is to provide charting information for nautical chart maintenance and to furnish support data for hydrographic operations.

This Class III map portrays the shoreline encompassing the eastern half of San Nicolas Island.

Field work prior to compilation consisted of the recovery, establishment and identification, by premarking methods, of horizontal control necessary for aerotriangulation. Panels were constructed and the photo mission was performed in March 1972. There was no field inspection.

Photo coverage was adequately provided by 1:15,000 scale photographs for Santa Barbara Island and 1:30,000 scale photographs for San Nicolas Island. All photographs were taken in March 1972 with the Wild RC-8 "L" camera. Natural color film was used for the bridging, compilation and hydro-support photographs. Black-and-white infrared photographs were taken at near MLLW for low water delineation and to assist in shoreline interpretation.

Analytic aerotriangulation was adequately provided by the Washington Science Center in November 1972. The "Photogrammetric Plot Report" dated November 1972 stated that three strips of 1:30,000 scale photographs were bridged. However, it should be noted that two strips of 1:30,000 scale photographs were bridged for San Nicolas Island and one strip of 1:15,000 scale photographs was bridged for Santa Barbara Island. Aerotriangulation included ruling the base manuscripts and providing ratio values for the photographs at map scale.

Compilation for this map was based upon office interpretation of the 1:30,000 scale color photographs. Two strips of supplemental hydro-support color photographs and two strips of MLLW infrared black-and-white contact photographs were used to assist in interpretation. Ratio photographs of the MLLW infrared photography were not made available at the time of compilation. Consequently, the MLLW line was not compiled. Class III compilation was completed March 1973 at the Atlantic Marine Center. Appropriate hydro-support and field edit data were forwarded to the hydrographer.

Final review for this final Class III map was performed at the Atlantic Marine Center in July 1986. Neither field edit nor a contemporary hydrographic survey were conducted in conjunction with this map.

The original base manuscript and related data including a final Chart Maintenance Print and a Notes to Hydrographer Print were forwarded to the Washington Science Center for registration and distribution.



7

FIELD INSPECTION  
TP-00631

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification by premarking methods of the horizontal control necessary for the aerotriangulation of the project.

Project CM-7209  
Santa Barbara Island - San Nicolas Island, California  
31 March 1972

Santa Barbara Island

Horizontal Control: It was necessary to establish three (3) horizontal control stations to meet the requirements for the aerial photo-paneling. As an azimuth check was not readily available due to weather conditions, polaris was observed at station SANTA BARBARA ISLAND 2, 1940, to check the azimuth to station MER SLOPE, 1871. The polaris azimuth should be computed before the field computations can be considered complete. Second order triangulation and traverse methods were employed but due to severe heat waves, other climatic conditions and triangle closures, the control is considered to be of third order accuracy.

San Nicolas Island

No horizontal control was established; existing control was paneled.

Respectfully,

*RB Melby*  
R. B. Melby

Chief, PMC Field Party

PHOTOGRAMMETRIC PLOT REPORT  
Job CM-7209  
San Nicolas and Santa Barbara Islands, California  
November, 1972

21. Area Covered

This report covers sheets, TP-00630 and TP-00631 of San Nicolas Island, California, at 1:10,000 scale; TP-00632 of Santa Barbara Island, California, at 1:5,000 scale.

22. Method

Three strips of 1:30,000 scale photography were bridged by the analytic aerotriangulation method to provide horizontal control and ratio points for 1:15,000 scale photography. The attached sketch of the strips bridged shows the location of the triangulation points used in the strip adjustments. A list of closures to control is part of this report. Positions of all pass points, control stations, and ratio points have been plotted on the manuscripts by the Coradi referenced to the California Zone 6 Plane Coordinate System. Seven of the control stations; STA 1, STA 2, STA 4, STA 5, STA 6, SNI South Side Navigation Light, and PIER, all second order, had field geographic positions that were listed as being UNADJUSTED as the last adjustment in 1967, was prior to their establishment in 1968.

23. Adequacy of Control

The horizontal control provided was adequate and held well within the accuracy required by National Standards of Map Accuracy at 1:10,000 and 1:5,000 scales.

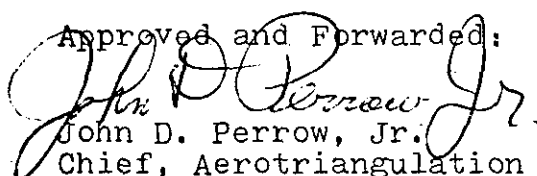
24. Supplemental Data

USGS quadrangle was used to provide elevations for vertical adjustment of bridges.


25. Photography

RC-9 photograph was adequate for coverage, overlap, and definition.




Approved and Forwarded:

  
John D. Perrow, Jr.  
Chief, Aerotriangulation Section





Respectively submitted:

  
Joe Keating  
Cartographer




## LEGEND

-   Control used in Adjustment  
 ( ) Closures of Bridges to Control Shown  
 in Parenthesis  
 Control used as Checks



## STRIP #1

-  Black 1960 R142 (-0.2, -1.1)  
 STA 3, 1968 (-0.1, +1.3)  
 RT EPS (16) SNI Sup Pt. 1, 1965 (0.1, 3.2)  
 BM Y273 Sub Pt 1, 1965 (-0.3, -3.8)

## STRIP #2

-  Tie pt., 78802 (-0.4, -0.6)  
 Tie pt., 78804 (-0.2, -0.2)  
 Black, 1960 RM2 (+7.7, -0.8)

## STRIP #3

-  ROCK (USN), 1972 (0.0, 0.0)  
 FENANDEZ, 1972 (0.0, 0.0)

119°35'0"

119°30'0"

119°25'0"

TP-00630

TP-00631

72L(c)22260

72L(c)22276

STRIP 2

TIE POINT  
78802

BLACK,  
1960

72L(c)22279  
TIE POINT  
78804

RT EPS/116  
SNI, 1959

San Nicolas Island, California  
STRIP 1

BMV 273, 1965

STA 3, 1968

72L(c)22267

▲, ● HORIZONTAL CONTROL STA.

JOB CM-7209

SAN NICOLAS & SANTA BARBARA  
ISLANDS, CALIFORNIA

SHORELINE MAPPING

33°12'30"

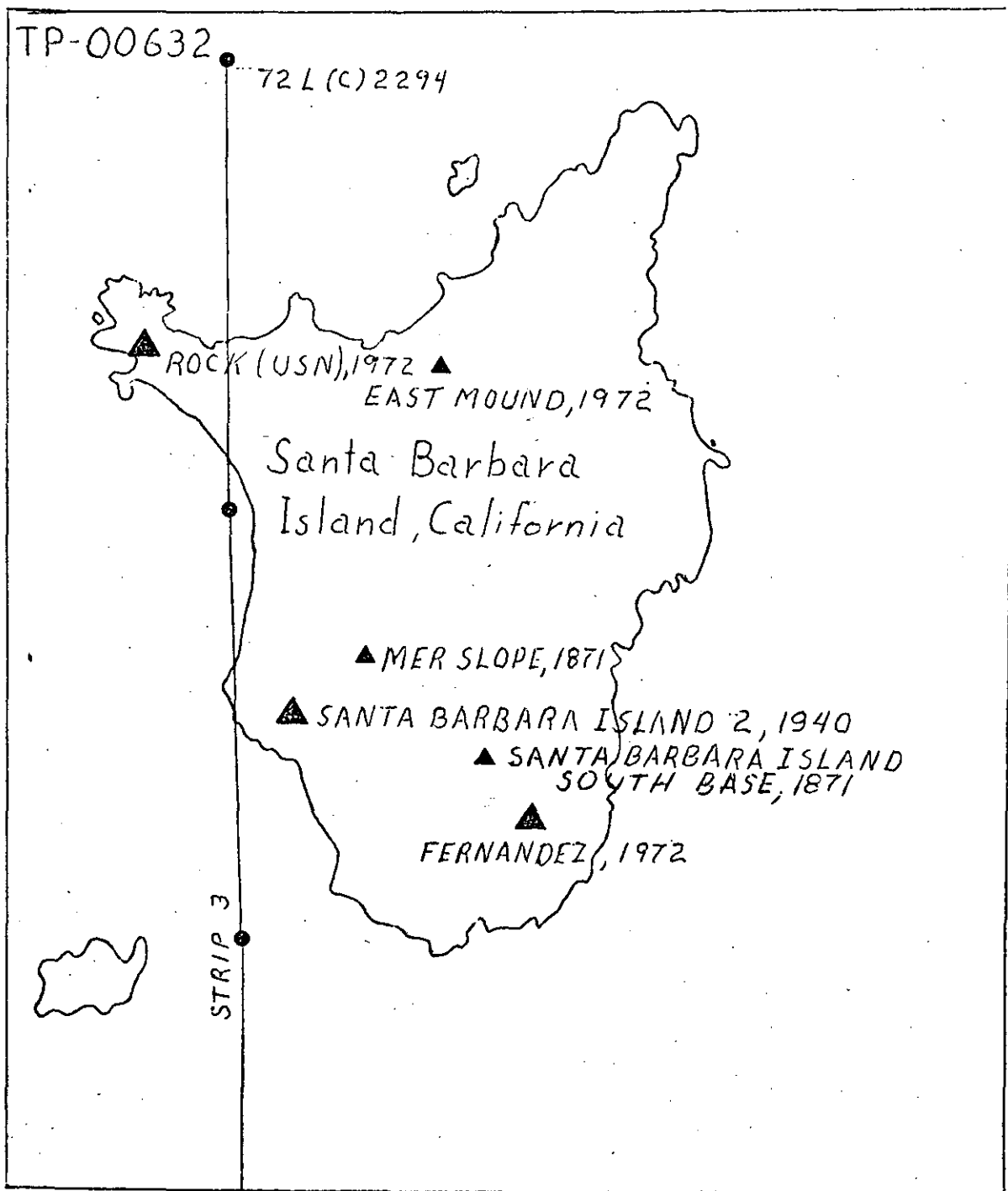
33°17'30"

119° 03' 00"

119° 01' 00"

80

33° 29' 30"



JOB CM-7209

SAN NICOLAS & SANTA BARBARA ISLANDS, CALIFORNIA

▲, HORIZONTAL CONTROL STA.

SHORELINE MAPPING

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODETTIC DATUM		ORIGINATING ACTIVITY	
TP-00631		CM-7209		N.A. 1927		AMC, Coastal Mapping Section	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
			STATE	CA	$\phi$ LATITUDE	$\lambda$ LONGITUDE	
STA 3, 1968	G-11773 unadjusted		X=		$\phi$ 33 13 25.5105		
			Y=		$\lambda$ 119 26 13.7329		
B.M.Y-273, 1965	P.45 unadjusted		X=		$\phi$ 33 13 50.5724		
			Y=		$\lambda$ 119 28 07.7709		
HOT, 1932	Quad.331192 STA 1010		X=		$\phi$ 33 14 26.838		
			Y=		$\lambda$ 119 27 10.809		
SAN NICOLAS ISLAND, NORTH SIDE LIGHT, 1966	P.56 unadjusted		X=		$\phi$ 33 15 31.1623		
			Y=		$\lambda$ 119 27 53.3802		
SAN NICOLAS ISLAND, EAST END LIGHT, 1966	"		X=		$\phi$ 33 13 50.0723		
			Y=		$\lambda$ 119 26 03.4738		
SAN NICOLAS ISLAND, TANK NO. 195, 1966	"		X=		$\phi$ 33 14 28.5322		
			Y=		$\lambda$ 119 26 43.8370		
SAN NICOLAS ISLAND, SOUTH SIDE NAVIGATION LIGHT, 1968	G-11773 unadjusted		X=		$\phi$ 33 12 57.0467		
			Y=		$\lambda$ 119 28 10.5293		
CONEY, 1932	Quad.331192 STA 1005		X=		$\phi$ 33 15 57.533		
			Y=		$\lambda$ 119 29 13.687		
FENCE, 1932	" STA 1008		X=		$\phi$ 33 13 08.900		
			Y=		$\lambda$ 119 29 44.292		
SPUR, 1879	" STA 1026		X=		$\phi$ 33 14 05.038		
			Y=		$\lambda$ 119 26 46.291		
COMPUTED BY A.C.Rauck		DATE 12/11/72	COMPUTATION CHECKED BY R.R. White				DATE 12/29/72
LISTED BY		DATE	LISTING CHECKED BY				DATE
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY				DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODEIC DATUM		ORIGINATING ACTIVITY	
					N.A. 1927	AMC, Coastal Mapping Section		
					COORDINATES IN FEET STATE CA ZONE 6	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS	
TP-00631	CM-7209							
		SURF, 1932	Quad. 331192 STA 1027		X=	φ 33 12 58.612		
					Y=	λ 119 28 34.168		
		ISLE, 1932	" STA 1011		X=	φ 33 14 43.59		
					Y=	λ 119 26 51.01		
		PORT, 1858	" STA 1016		X=	φ 33 15 25.856		
					Y=	λ 119 28 56.012		
		STRIP 2, 1965	P. 45		X=	φ 33 14 57.0732		
					Y=	λ 119 28 08.8349		
					X=	φ		
					Y=	λ		
					X=	φ		
					Y=	λ		
					X=	φ		
					Y=	λ		
					X=	φ		
					Y=	λ		
					X=	φ		
					Y=	λ		
					X=	φ		
					Y=	λ		
COMPUTED BY A.C. Rauck				DATE 12/11/72	COMPUTATION CHECKED BY R.R. White		DATE 12/29/72	
LISTED BY				DATE	LISTING CHECKED BY		DATE	
HAND PLOTTING BY				DATE	HAND PLOTTING CHECKED BY		DATE	

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.



## COMPILATION REPORT

TP-00631

### 31 - DELINEATION

Delineation was accomplished using stereo instrument and graphic compilation methods. Instrument compilation was used to delineate shoreline, alongshore, and interior detail based upon office interpretation of the 1:30,000 scale bridging/compilation photographs. The eastern most portion of the island was compiled by graphic methods using the 1:30,000 scale hydro-support color ratio photographs. Tide coordinated MLLW infrared photographs at 1:30,000 scale were provided to assist in interpretation. Ratio photographs of the MLLW photography were not available at the time of compilation. Consequently, the MLLW line was not compiled.

All photographs used to compile this map are listed on NOAA Form 76-36B. The photography was adequate.

### 32 - CONTROL

See Photogrammetric Plot Report, dated November 1972.

### 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 mean high water line and alongshore details were delineated from office interpretation of the photographs. Contact photographs enlarged at 2.96 times provided ratio coverage of the hydro support photography.

### 36 - OFFSHORE DETAILS

Offshore detail was compiled from office interpretation of the photographs.

### 37 - LANDMARKS AND AIDS

Within the limits of this map, there were 5 charted navigational aids and 6 charted landmarks. Among these, 3 aids and 5 landmarks were either located or verified photogrammetrically.

### 38 - CONTROL FOR FUTURE SURVEYS

None.

TP-000631

39 - JUNCTIONS

See Form 76-36B, item #5, of the Descriptive Report.

40 - HORIZONTAL AND VERTICAL ACCURACY

See item #32.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey quadrangle:  
San Nicolas Island, California, scale 1:24,000, dated 1956.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey Chart:  
San Nicolas Island, No. 5113, 5th ed., April 18, 1970, scale 1:40,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by

*Gary L. Hancock*

for Susan Kumer  
Cartographer  
March 16, 1973

Approved

*Gary L. Hancock*

for Albert C. Rauck, Jr.  
Chief, Coastal Mapping Section

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7209 (San Nicholas and Santa Barbara Islands, California)

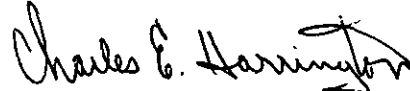
TP-00631

Dutch Harbor

Pacific Ocean

San Nicolas Island

Approved:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division  
Charting and Geodetic Services

14

REVIEW REPORT  
TP-00631

SHORELINE

61 - GENERAL STATEMENT

Final review for this final Class III map was accomplished at the Atlantic Marine Center in July 1986. For a schedule of the office and field operations, refer to the Summary included in this Descriptive Report.

62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63 - COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with a U.S. Geological Survey quadrangle San Nicolas Island, CA, dated 1956, 1:24,000 scale.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There was no contemporary hydrographic survey common to this map.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS Chart 18755, 8th edition, 1:40,000 scale, dated September 10, 1983.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

Submitted by

*Jerry L. Hancock*

Jerry L. Hancock  
Final Reviewer

Approved for forwarding

*Billy H. Barnes*

Billy H. Barnes  
Chief, Photogrammetric Section, AMC

Approved

*J. A. Marney*

Chief, Photogrammetric Operations,  
Rockville

*Ronald K. Brewer*

Chief, Photogrammetry Branch,  
Rockville

NOAA FORM 76-40  
(8-74)

Replaces C&GS Form 567.

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

LANDMARKS FOR CHARTS

<input checked="" type="checkbox"/> TO BE CHARTED	<input checked="" type="checkbox"/> REPORTING UNIT (Field Party, Ship or Office)	LOCALITY	DATE
<input type="checkbox"/> TO BE REVISED	Coastal Mapping Div.	Santa Barbara and	July 1980
<input type="checkbox"/> TO BE DELETED	AMC Norfolk, VA	San Nicolas Islands	

The following objects HAVE ☐ HAVE NOT ☒ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-7209	TP-00631	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED
		LATITUDE	LONGITUDE	OFFICE	FIELD	
		° / ' " D.M. Meters	° / ' " D.P. Meters			
TANK	(San Nicolas Island Tank No. 195, 1966)	28.5322 33° 14' 879.0	43.8370 119° 26' 1134.9	72L(C) 2269- Mar 23, 1972	Not verified	5113
TOWER	Northernmost of two	54.0 33° 13'	38.7 119° 28'	72L(C) 2287- Mar 23, 1972	"	5113
TOWER	Southernmost of two	52.3 33° 13'	38.7 119° 28'	72L(C) 2287- Mar 23, 1972	"	5113
TELEM ANT		06.6 33° 14'	35.491 119° 29'	72L(C) 2287- Mar 23, 1972	"	5113
TOWER		47.5 33° 13'	06.4 119° 27'	72L(C) 2269- Mar 23, 1972	"	5113
NOTE: Field edit cancelled.						

ORIGINATING ACTIVITY	
<input type="checkbox"/> HYDROGRAPHIC PARTY	<input checked="" type="checkbox"/> COMPILATION ACTIVITY
<input type="checkbox"/> GEODETIC PARTY	<input type="checkbox"/> FINAL REVIEWER
<input type="checkbox"/> PHOTO FIELD PARTY	<input type="checkbox"/> QUALITY CONTROL & REVIEW GRP.
<input type="checkbox"/> COAST PILOT BRANCH	<input type="checkbox"/> (See reverse for responsible personnel)

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	OFFICE ACTIVITY REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	
<b>OFFICE</b> <b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	<b>FIELD (Cont'd)</b> <b>B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.</b> EXAMPLE: P-8-V 8-12-75 74L(C)2982
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> Enter the applicable data by symbols as follows: F - Field P - Photogrammetric L - Located Vis - Visually V - Verified 1 - Triangulation 5 - Field identified 2 - Traverse 6 - Theodolite 3 - Intersection 7 - Planetable 4 - Resection 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	<b>II. TRIANGULATION STATION RECOVERED</b> When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 <b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 <b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION CHARTS									
NONFLOATING AIDS										ORIGINATING ACTIVITY									
REPORTING UNIT (If Field Party, Ship or Office) Coastal Mapping Div. AMC Norfolk, VA ✓										<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)									
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED <input type="checkbox"/>										DATE July 1980									
STATE California ✓										LOCALITY Santa Barbara and San Nicolas Islands									
OPR PROJECT NO. JOB NUMBER CM-7209 ✓										DATUM N.A. 1927 ✓									
SURVEY NUMBER TP-00631 ✓										METHOD AND DATE OF LOCATION (See instructions on reverse side)									
DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)										POSITION									
CHARTING NAME										LATITUDE									
LIGHT ✓										LONGITUDE									
(San Nicolas Island, East End Light, 1966) ✓										D.M. Meters 50.0723 33 13 1542.6 119 26 89.9									
(San Nicolas Island, South Side Navigation Light, 1968) ✓										D.P. Meters 103.4738 33 12 1757.4 119 28 272.7									
(San Nicolas Island, North Side Light, 1966) ✓										D.M. Meters 31.1623 33 15 960.0 119 27 1381.7									
NOTE: Field edit cancelled. ✓										FIELD									
CHARTS AFFECTED										5113									

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	S. Kumer
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
<b>OFFICE</b> <b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	<b>FIELD (Cont'd)</b> <b>B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.</b> EXAMPLE: P-8-V 8-12-75 74L(C)2982
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	<b>III. TRIANGULATION STATION RECOVERED</b> When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 <b>II. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75
**FIELD POSITIONS are determined by field observations based entirely upon ground survey methods. **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	



### RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. CM-7209, TP-00631

## INSTRUCTIONS

**A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.**

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]