

TP-00630

TP - 00630

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-00630

Edition No.

1

Job No.

CM-7209

Map Classification

CLASS III, FINAL (PARTIAL FIELD EDIT)

Type of Survey

SHORELINE

LOCALITY

State

CALIFORNIA

General Locality

SAN NICOLAS AND SANTA BARBARA ISLANDS

Locality

SAN NICOLAS ISLAND WEST

19 72 TO 19

REGISTERED IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Atlantic Marine Center, Norfolk, Virginia		SURVEY TP. <u>00630</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III (FINAL)</u> JOB <u>XX CM-7209</u>	
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 PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation August 7, 1972 Compilation February 22, 1973 Cancel Field Edit (memo) July 10, 1980		Horizontal Control February 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 <u>California</u> ZONE <u>6</u> STATE _____ ZONE _____	
5. SCALE 1:10,000		STATE _____ ZONE _____	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY		J. Keating	Nov. 1972
2. CONTROL AND BRIDGE POINTS METHOD: <u>Coradomat</u> PLOTTED BY		D. Phillips	Nov. 1972
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: <u>Wild B-8</u> SCALE: <u>1:10,000</u>		D. Phillips S. Kumer L. Neterer N.A. N.A.	Nov. 1972 Nov. 1972 Feb. 1973 Feb. 1973
4. MANUSCRIPT DELINEATION METHOD: <u>Smooth draft</u> SCALE: <u>1:10,000</u>		PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY S. Kumer C. Bishop N.A. N.A.	Mar. 1973 Mar. 1973
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		S. Kumer C. Bishop	Mar. 1973 Mar. 1973
6. APPLICATION OF FIELD EDIT DATA		C. Bishop	Mar. 1973
7. COMPILATION SECTION REVIEW		J. Roderick A. Rauck	Apr. 1977 Apr. 1977
8. FINAL REVIEW <u>CLASS III</u>		A. Rauck	Apr. 1977
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		J. Hancock	Aug. 1986
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		J. Hancock	Aug. 1986
11. MAP REGISTERED - COASTAL SURVEY SECTION		P. Dempsey E. O'Connell	Oct. 1986 Oct 86

TP-00630
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C.-8 "L", L=152.21mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE 8th	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 120th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72L(C) 2261 - 2264*	Mar.23,1972	08:28	1:30,000	1.8 ft. above MLLW	
72L(C) 2277 - 2278*	Mar.23,1972	08:44	1:30,000	1.6 ft. above MLLW	
72L(C) 2272 - 2274**	Mar.23,1972	08:37	1:30,000	1.7 ft. above MLLW	
72L(C) 2284 - 2286**	Mar.23,1972	08:52	1:30,000	1.4 ft. above MLLW	
72L(I) 2333 - 2335***	Mar.23,1972	10:15	1:30,000	0.2 ft. above MLLW	
72L(I) 2338 - 2339***	Mar.23,1972	10:20	1:30,000	0.2 ft. above MLLW	
72L(I) 2343 - 2345***	Mar.23,1972	10:25	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 LINE~~ 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 No survey	EAST TP-00631	SOUTH No survey	WEST No survey
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REMARKS

TP-00630

HISTORY OF FIELD OPERATIONS

- I.
- ☒
- FIELD INSPECTION OPERATION
- ☐
- FIELD EDIT OPERATION

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	
Panêlêd		None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
72L(C)2261*	BROOM, 1960 (Direct)		
72L(C)2262	BLACK, R.M.2, 1960 (Direct)		
72L(C)2264	RT FPS 16SNI, 1959 (Sub Pt. paneled)		
*Station BROWN not used in bridge			

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
- ☒
- NONE

6. 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)

3 forms C&GS 152
1 field report

TP-00630

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION (Partial)

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Randall	Nov. 1976
2. HORIZONTAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
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 J. Osborn, JR.	Nov. 1976
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

N.A.

PHOTO NUMBER

STATION NAME

PHOTO NUMBER

STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

72L(C) 2261, 72L(C) 2273 (1:10,000 scale ratio cronapaques)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

5. GEOGRAPHIC NAMES:

☐ REPORT☒ NONE

6. 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)

Master field edit film print

Field edit report

TP-00630
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	June 1973	June 1974
Partial field edit applied Balance of field edit canceled	Apr. 1977	Class III manuscript (Partial field edited)	None	May 1977
Final Review	Aug. 1986	Final Class III Map	Sept. 3, 1986	Sept. 3, 1986

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	1 landmark and 1 aid 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 NOS 567 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	

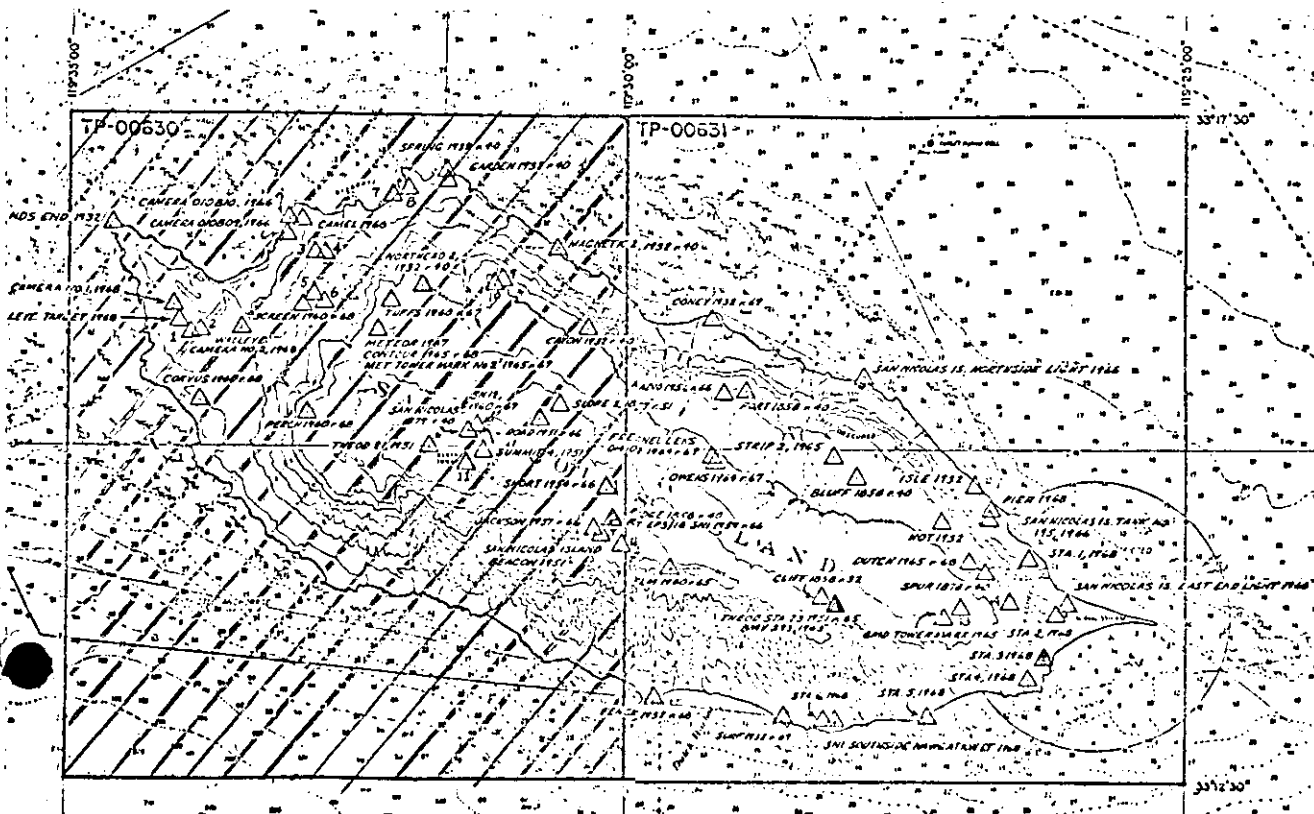
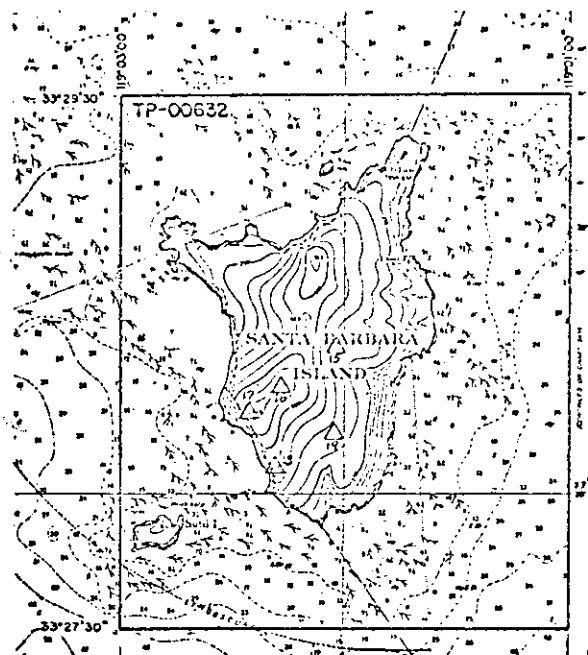
JOB CM-7209

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
TOTAL	16



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
TP-00630

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 western 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 three 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.

Field edit was performed for a small portion of shoreline along the northern coast of San Nicolas Island in conjunction with hydrographic survey H-9664. The edit was conducted by personnel aboard NOAA Ship RAINIER in November 1976. Field information was forwarded back to the original compilation office and the partial edit data was applied in April 1977.

6A

Final review for this final Class III map was performed at the Atlantic Marine Center in August 1986.

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.

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FIELD INSPECTION
TP-00630

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

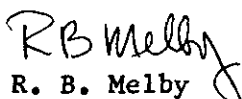
Santa Barbara Island

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,



R. B. Melby
Chief, PMC Field Party

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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.

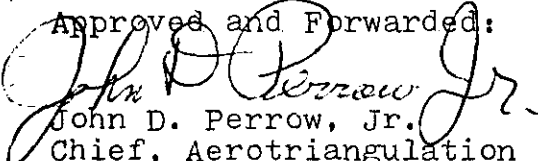
24. Supplemental Data

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

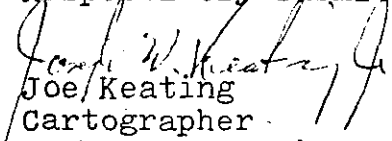
25. Photography

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)

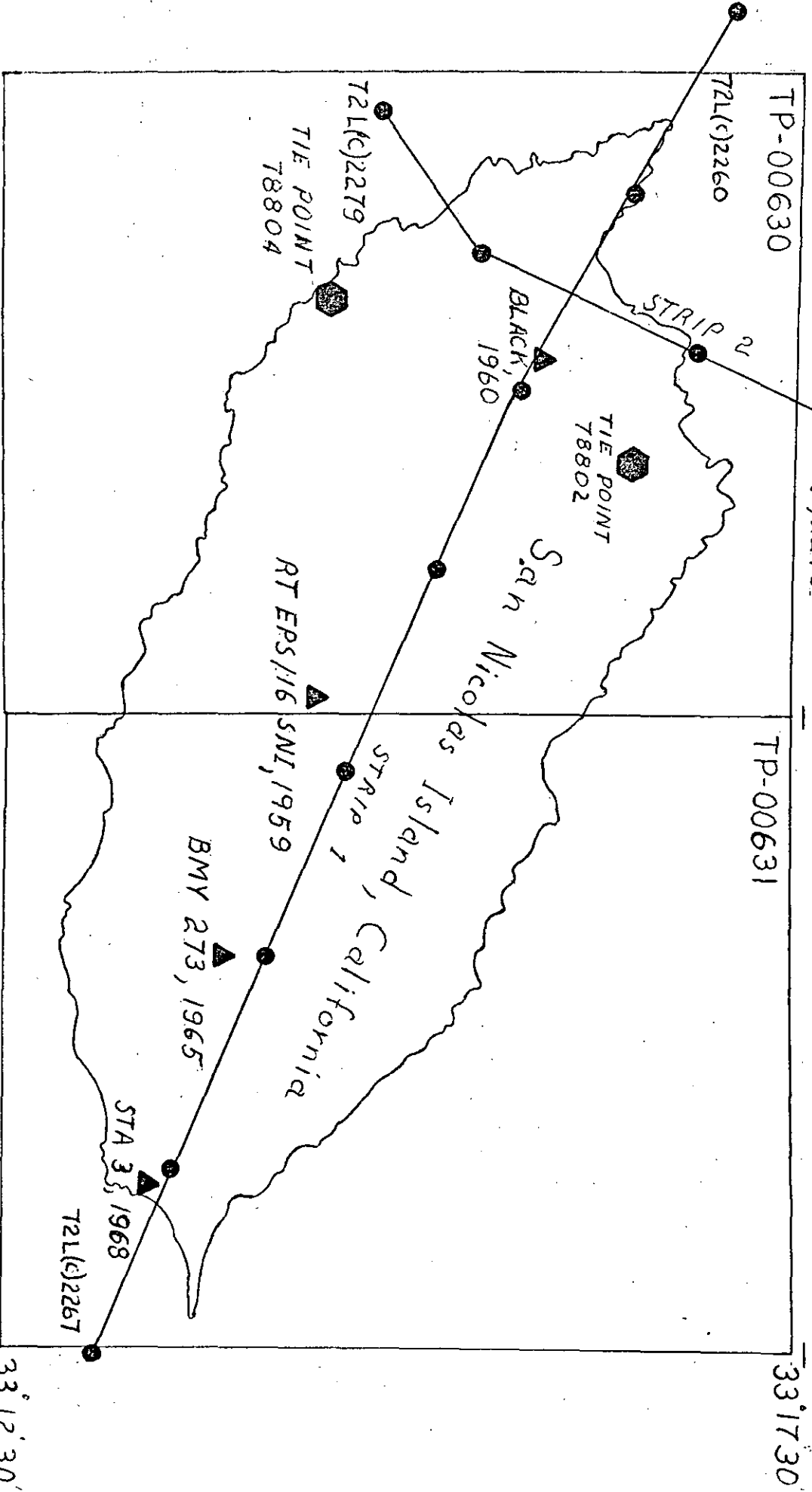
STRIP #3

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

119°35'00

119°30'00

119°25'00



▲, ● HORIZONTAL CONTROL STA.

JOB CM-7209
SAN NICOLAS & SANTA BARBARA
ISLANDS, CALIFORNIA
CHARTING

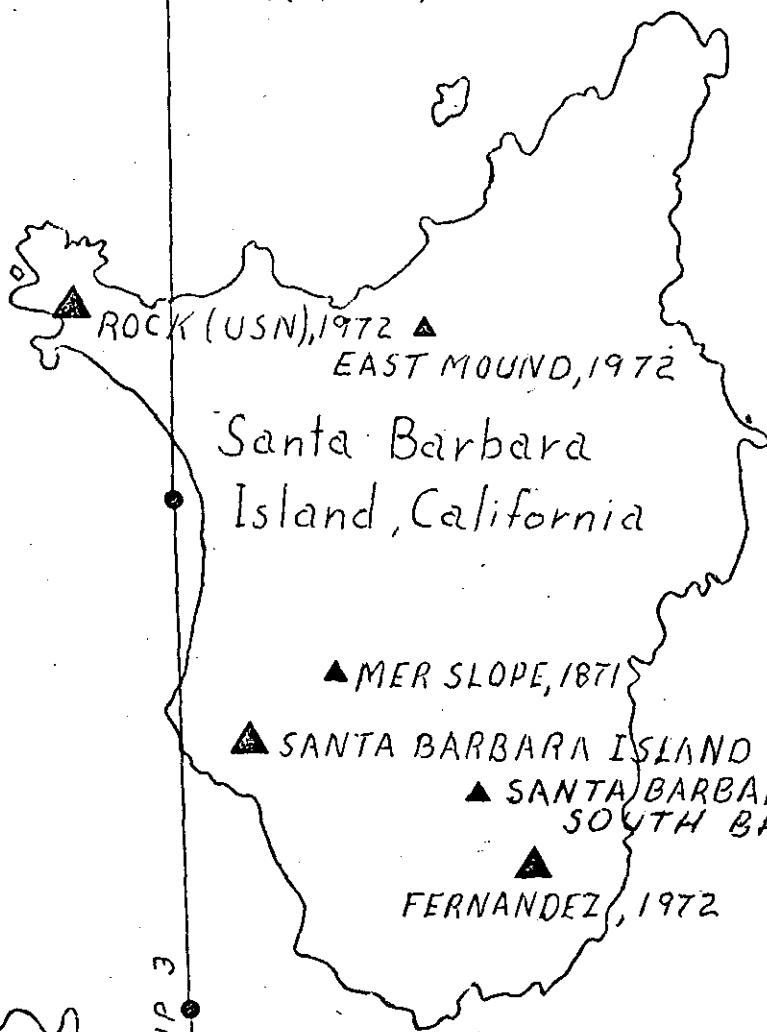
33°12'30

33°17'30

119° 03' 00"

TP-00632

72 L (C) 2294



STRIP 3

72 L (C) 2297

▲, HORIZONTAL CONTROL STA.

JOB CM-7209

SAN NICOLAS & SANTA BARBARA ISLANDS, CALIFORNIA

SHORELINE MAPPING

119° 01' 00"

33° 29' 30"

33° 27' 30"

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.	GEODETTIC DATUM		ORIGINATING ACTIVITY	
TP-00630		CM-7209	N.A. 1927		AMC Coastal Mapping Section	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE CA ZONE 6		GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
BROOM, 1960	Aero#164		x=		φ 33 16 17.9598	
			y=		λ 119 34 12.6972	
SPRING, 1932	QUAD. 331193 STA. 1015		x=		φ 33 17 02.754	
			y=		λ 119 31 37.667	
SERGEANT, 1960			x=		φ 33 15 31.1528	
			y=		λ 119 34 15.7692	
SAN NICOLAS ISLAND BEACON, 1951	QUAD. 331193 STA. 1023		x=		φ 33 14 21.296	
			y=		λ 119 30 15.158	
SAN NICOLAS ISLAND RADAR TOWER 584/615, 1951	" STA. 1020		x=		φ 33 14 53.330	
			y=		λ 119 31 26.649	
GARDEN, 1932	" STA. 1004		x=		φ 33 16 58.644	
			y=		λ 119 31 36.594	
LANDS END, 1932	" STA. 1006		x=		φ 33 16 41.59	
			y=		λ 119 34 36.50	
MAGNETIC 2, 1932	" STA. 1007		x=		φ 33 16 27.541	
			y=		λ 119 30 37.550	
CAMEL, 1966	P. 59		x=		φ 33 16 42.0249	
			y=		λ 119 32 56.9380	
CORVUS, 1960			x=		φ 33 15 20.4967	
			y=		λ 119 33 49.4869	
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. TP-00630	JOB NO. CM-7209	GEODETTIC DATUM N.A. 1927		ORIGINATING ACTIVITY AMC Coastal Mapping Section	
		STATE CA	ZONE 6	COORDINATES IN FEET	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER			REMARKS
BLACK, 1960	P. 4		X=	ϕ 33 15 28.1143 -	
			Y=	λ 119 32 25.0572 -	
CORPORAL, 1965	P. 50		X=	ϕ 33 15 32.1295 -	
			Y=	λ 119 34 17.5823 -	
RT FPS/16 SNI, 1959	P. 60 unadjusted		X=	ϕ 33 14 27.6161 -	
			Y=	λ 119 30 06.5337 -	
			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-00630

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. 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 3 charted landmarks and 1 charted navigation aid. Among these 1 landmark and 1 aid were either located or verified photogrammetrically.

38 - CONTROL FOR FUTURE SURVEYS

None.

TP-000630

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

Jay L. Hancock
for Susan Kumer
Cartographer
March 27, 1973

Approved

Jay L. Hancock
for Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

ADDENDUM TO COMPILATION REPORT

TP-00630

FIELD EDIT

Partial field edit covering the northern portion of the manuscript (north shore of San Nicolas Island) was received and applied. The field edit was adequate.

GEOGRAPHIC NAMES

FINAL NAME SHEET

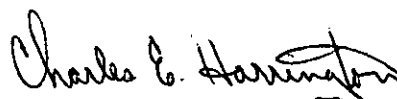
CM-7209 (San Nicolas and Santa Barbara Islands, California)

TP-00630

Pacific Ocean

San Nicolas Island

Approved:



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

SUPPLEMENTARY FIELD EDIT: SAN NICOLAS ISLAND
TO ACCOMPANY HYDROGRAPHIC SURVEY
SP-PMC-10-RA-76

MANUSCRIPT NO. TP-00630

J.P. RANDALL
CAPT, NOAA
COMMANDING OFFICER

I. INTRODUCTION & METHODS.

Supplementary Field Edit for SP-PMC-10-RA-76, northwest San Nicolas Island, commenced on November 4, 1976 and was completed on November 6, 1976. One field unit performed all work, the majority of which was accomplished from seaward in RAINIER Boston Whaler 2129. The remainder of the edit was done by walking the shoreline. Shoreline verification, MHWL delineation, and inspection and location of fixed aids and landmarks was not required for this project. Updating and additions to dangers to navigation and shallow and foul areas were required. This Field Edit is only complete and thorough for that northwest portion of N.O.S. manuscript TP-00630 that covers the project area.

Field edit operations began on the eastern project limits at latitude $33^{\circ}16'55''N$, longitude $119^{\circ}31'37''W$. Work progressed westward to completion at latitude $33^{\circ}16'40''N$, longitude $119^{\circ}34'35''W$. One photo-identified signal, no. 300 on the Master Station List, was required for placement of electronic positioning equipment for hydrographic survey operations. Location was accomplished after completion of all other field edit work.

All additions and corrections to the final manuscript appear on the film ozalid which is submitted as the Master Field Edit Sheet. With the exception of photo-located signals, the Master Field Edit Sheet is an index of all field edit work carried out. A separate film ozalid is being submitted that contains the photo signal with photograph references. No discrepancies or questions were required to be answered on the Master. SPECIAL VIOLET ink field notes on the Master are items that have been verified by field edit. The photograph number for each particular item

is given as a reference. SPECIAL RED ink was used on the Master to indicate changes or additions found during field edit. No deletions were deemed necessary. All notes on the Master Field Edit Sheet which are verified on the referenced photographs include the description or explanation of the feature verified and the photo number on which it was located. All field edit information on the smooth boatsheet for SP-PMC-10-RA-76 which was either verified by field edit or transferred directly from TP-00630 not requiring any further work was inked in black. Changes, which include corrections and (or) additions, were inked in SPECIAL RED.

For a reference of photograph numbers - T-Sheet manuscripts, refer to "Separates Following the Text". Height data on rocks, ledges, and spits was estimated to plus or minus 1 foot. All items are referenced to GMT.

II. ADEQUACY OF COMPILATION

Although no compilation or changes in delineation of MHWL were required as a part of this field edit, compilation of the MHWL was investigated for the shoreline region previously listed and is adequate as compiled on Manuscript TP-00630. The MLLWL was compiled, wherever physically possible, by hydrographic survey operations. Heavy surf, extensive shallow and foul areas with kelp made this a difficult task. For further information on survey operations, Descriptive Report H-9664 should be consulted.

III. MANUSCRIPT SUMMARY

TP-00630; NORTHWEST CORNER

Numerous rocks, spits, ledges, and shallow and foul areas were

inspected and noted in the project area. Refer to the Master Field Edit Sheet for positions and references. Three areas at the following geographic positions warrant special explanation:

33°16'52"N, 119°33'12"W

33°17'09"N, 119°32'37"W

33°17'17"N, 119°32'00"W

These three regions are isolated from the other foul and shallow regions. There is definite shoaling in these areas and although there is nothing barring there is a distinct rise and breaking of swell within the delineated regions. They are a definite hazard to navigation due to their isolated nature. Refer to the Master Field Edit Sheet for further information.

IV. PHOTO-IDENTIFIED SIGNALS

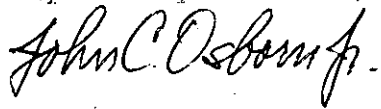
One signal was located photogrammetrically for the placement of electronic positioning equipment so that adequate coverage for hydrographic survey operations could be obtained in an isolated corner of the project area. A separate film ozalid is being submitted containing the positioned signal location. A geographic position computation sheet is also being submitted in the "Separates" containing all pertinent data including meters scaled forward and backward, and conversions to seconds. Refer to this sheet, as well as the Master Station List, for further information.

V. RECOMMENDATIONS

It is recommended that all information in the supplemental field edit package for SP-PMC-10-RA-76, San Nicolas Island, be accepted for

charting purposes. No further recommendations are deemed necessary.

Respectfully submitted,

A handwritten signature in cursive script, reading "John C. Osborn Jr.", written in dark ink.

John C. Osborn Jr.
LTJG, NOAA

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REVIEW REPORT
TP-00630

SHORELINE

61 - GENERAL STATEMENT

Final review for this final Class III map was accomplished at the Atlantic Marine Center in August 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, California, dated 1956, 1:24,000 scale.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A small portion of shoreline along the northern coast of San Nicolas Island from Long. 119 31.3 to Long. 119 34.6 was common to hydro survey H-9664, SP-PMC-10-RA-76, field surveyed Nov. 1976. A comparison was not made with the hydro survey since the field editor's (hydrographer) report stated that all field data was transferred to the boat sheet.

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

John A. Meany
Chief, Photogrammetric Operations,
Rockville.

Ronald K. Brewer
Chief, Photogrammetry Branch,
Rockville

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

☒ TO BE CHARTED
☐ TO BE REVISED
☐ TO BE DELETED

REPORTING UNIT
(If field party, ship or office)
Coastal Mapping Div.
AMC Norfolk, VA

STATE
California

LOCALITY
Santa Barbara and
San Nicolas Island

DATE
July 80

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NON-FLOATING AIDS OR LANDMARKS FOR CHARTS

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

DATUM

N.A. 1927

SURVEY NUMBER

TP-00630

POSITION

LATITUDE
° / ' " D.M. Meters

LONGITUDE
° / ' " D.P. Meters

METHOD AND DATE OF LOCATION
(See instructions on reverse side)

CHARTS
AFFECTED

CHARTING
NAME

DESCRIPTION
(Record reason for deletion of landmark or aid to navigation.
Show triangulation station names, where applicable, in parentheses)

LATITUDE
° / ' " D.M. Meters

LONGITUDE
° / ' " D.P. Meters

OFFICE

FIELD

RADAR
DOME

33 14 51.0 119 31 26.6 72L(C)2286
Mar. 23, 1972

5113

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.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS 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	FIELD (Cont'd) 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. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED 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	III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

[illegible]

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	<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS 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	FIELD (Cont'd) 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. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 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	II. TRIANGULATION STATION RECOVERED 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 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. CM-7209, TP-00630

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]