NOAA FORM 76-35 (6-80)

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

# DESCRIPTIVE REPORT

This was partitou little was an	Title D. EDITOR
THIS MAP EDITION WILL NOT BE Map No.	FIELD EDITED  Edition No.
TP-00630	1
Job No. CM-7209	
Map Classification	
CLASS III, FINAL (PARTIAL FI	ELD EDIT)
Type of Survey SHORELINE	·
LOCALITY	Y
State	
CALIFORNIA	
General Locality SAN NICOLAS AND SANTA BARBAR	A ISLANDS
Locality SAN NICOLAS ISLAND WEST	
19 72 TO 19	
REGISTERED IN A	RCHIVES
DATE	

NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY TP-00630
The second of the second secon	XX ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASS III (FINAL)
	REVISED	JOB ¥¥. <u>СМ-7209</u>
PHOTOGRAMMETRIC OFFICE		
Coastal Mapping Division, Atlantic Marine	LAST PRECEEDIN	·
Center, Norfolk, Virginia	TYPE OF SURVEY	JOB PH
OFFICER-IN-CHARGE	ORIGINAL  RESURVEY	MAP CLASS
	REVISED	SURVEY DATES:
R. Matsushige, CDR	o kevises	.5
I. INSTRUCTIONS DATED		
1. OFFICE	2. F	IELD
Aerotriangulation August 7, 1972 Compilation February 22, 1973 Cancel Field Edit (memo) July 10, 1980	Horizontal Contro	1 February 18, 1972
II. DATUMS		
1. HORIZONTAL: XX 1927 NORTH AMERICAN	OTHER (Specify)	
AL MEAN HIGH-WATER    MEAN LOW-WATER    MEAN LOWER LOW-WATER    MEAN SEA LEVEL	OTHER (Specify)	
3. MAP PROJECTION	4. GF	RID(S)
Polyconic	california	ZONE
5. SCALE	STATE	ZONE
1:10,000		
III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	NAME	DATE
I, AEROTRIANGULATION BY METHOD: Analytic landmarks and aids by	J. Keating	Nov. 1972
	None D. Phillips	Nov. 1972
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY	D. Phillips D. Phillips	Nov. 1972
	S. Kumer_	Feb. 1973
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY	L. Neterer	Feb. 1973
INSTRUMENT: Wild B-8 CONTOURS BY	N.A.	
SCALE: 1:10,000 CHECKED BY	N.A	
4. MANUSCRIPT DELINEATION PLANIMETRY BY	S. Kumer	Mar. 1973
CHECKED BY	<u>C. Bishop</u>	Mar. 1973
метнор: Smooth draft	N.A.	
CHECKED BY	N.A.	
scale: 1:10,000 HYDRO SUPPORT DATA BY	S. Kumer	Mar. 1973 Mar. 1973
5. OFFICE INSPECTION PRIOR TO FIELD EDIT  BY	C. Bishop C. Bishop	Mar. 1973
S. OFFICE INSPECTION PRIOR TO FIELD EDIT	J. Roderick	Apr. 1977
6. APPLICATION OF FIELD EDIT DATA CHECKED BY	A. Rauck	Apr. 1977
7. COMPILATION SECTION REVIEW BY	A. Rauck	Apr. 1977_
8. FINAL REVIEW CLASS III BY	J. Hanco <u>ck</u>	Aug. 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  NOAA FORM 76-36A SUPERSEDES FORM C&GS 181 SERIES	= Naligherty	04 86

SUPERSEDES FORM C&GS 181 SERIES

\* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B (3-72)

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

			CO	TP-0063 <b>MPILATIO</b>		RCES		N A	THONAL	OCEAN SURVEY
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1. COMPILATION PHO	JIUGRAPHI			<del></del>	<del></del>					<del></del>
Wild R.C8 "I	L". L=15	2.21mm		TYPE	S OF PH LEGI	OTOGRAPHY END		TIM	E REFEF	RENCE
TIDE STAGE REFERE				1			ZONE			T
T PREDICTED TIDES				(C) COI	LOR NCHROM	ATIC	8:	th		XX TANDARD
REFERENCE STAT				(I) INF			MERID			DAYLIGHT
TIDE CONTROLLE	.БРНОТОВІ	TAPHY					1:	20th		
NUMBER AND	TYPE .		DATE	TIME	<u> </u>	SCALE		ST	AGE 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	MT.I.W
72L(C) 2284 -		1	23,1972	08:52		1:30,000			above	
			-		i	_				
72L(I) 2333 -			23,1972	10:15		1:30,000			above	
72L(I) 2338 -			23,1972	10:20		1:30,000			above	
72L(I) 2343 -	2345***	mar.	23,1972	10:25		1:30,000	0.1	IT.	above	LILLW
							Mean	n ran	ge 3.3	3 ft.
REMARKS *Bridgi	ing/comp	ilatio:	n photog	raphs,*	* Hyd	ro-support	t photo:	graph	s,	
***MLLW ]			-		-		•	•	ŕ	;
2. SOURCE OF MEAN	HICH WATE	ED LINE.	<del></del>							<del></del>
] -					~					
				_	from	the above	e liste	d pho	tograp	ohs using
stereo instrum	nent and	graph	ic metho	ds.						
]									-	
									•	•
	•									1
3, SOURCE OF KEAN	VANANAAA	WWW HEA	NI OWED I	04 W. TED 1	IN IF					<del></del>
J, SUUNCE OF MESAN	VINTE MAN	ALDLA MCA	N LUWER L	UW-WAIEKI	LINE:					
None comp	niled r	ationn	hotooran	hs were	not.	available	at time	e of	compil	ation.
None comp	Jircu, I	dero p	ocoBrap	mo were	1100		GC CIM		001.p.1.	
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<u> </u>										
4. CONTEMPORARY	HYDROGRAF	HIC SURV	EYS (List o	only those su	irveys th	at are sources f	or photogram	nmetric	survey in	formation.)
SURVEY NUMBER	DATE(S)		SURVEY CO	PY USED	SURVE	Y NUMBER	DATE(S)		SURVE	Y COPY USED
t a contra		1								ĺ
									<u> </u>	
5. FINAL JUNCTIONS										
NORTH No survey		EAST TP-0	0631		south No	survey		WEST	surve	ey -
					L					
REMARKS										
										ļ

NOAA FORM 76-36C	TP-00630 HISTORY OF FIELD	NATIONAL OCEAN		DEPARTMEN MOSPHERIC / NATIONAL	ADMIN	IISTRATIO
1. XX FIELDXINSPERIXON OF	PERATION Premarking FIELD	D EDIT OPERATION				
	OPERATION	N	AME			DATE
1. CHIEF OF FIELD PARTY						
TO CHIEF OF FIELD PARTY		R. Melby				1972
8 U48-844TA CANTES	RECOVERED BY					<u> 1972 .</u>
2. HORIZONTAL CONTROL	ESTABLISHED BY	R. Melby		í		<u> 1972 </u>
	PRE-MARKED OR IDENTIFIED BY	R. Melby		<del></del>	lar.	1972
3. VERTICAL CONTROL	ESTABLISHED BY	N.A.				
	PRE-MARKED OR IDENTIFIED BY	N.A.	<del>_</del>			•
	RECOVERED (Triangulation Stations) BY	None				
4. LANDMARKS AND	LOCATED (Field Methods) BY	None				
AIDS TO NAVIGATION	IDENTIFIED BY	None				
	TYPE OF INVESTIGATION					
5. GEOGRAPHIC NAMES	COMPLETE					
INVESTIGATION	SPECIFIC NAMES ONLY					
	XX 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 II	DENTIFIED	2. VERTICAL CON	TROL IDEN	TIFIED		
Paněléd		None		_		
PHOTO NUMBER	STATION: NAME	PHOTO NUMBER		ATION DESIG		
	R.M.2 ,1960 (Direct) 16SNI, 1959 (Sub Pt.panel	ed) 				
3. PHOTO NUMBERS (Claritic		<del> </del>				
None	anon or decares)					
4. LANDMARKS AND AIDS TO	NAVIGATION IDENTIFIED		<del></del> _			
None						
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER		OBJECT NA	ME	
		,				
		]				
		]				
5. GEOGRAPHIC NAMES:	REPORT NONE	6. BOUNDARY AND	LIMITS:	REPORT		NONE
7. SUPPLEMENTAL MAPS AN	ID PLANS					
None						
8. OTHER FIELD RECORDS (	Sketch books, etc. DO NOT list data submit	ted to the Geodesy Di	vision)	<del>_</del>	•	
3 forms C&GS 152						
l fiéld report						
*						

10AA FORM 76-36C 3-72)		TP-00630 Y OF FIELD OF		NIC AND ATMOSPHERI	ENT OF COMME C ADMINISTRAT AL OCEAN SUR
I. [ FIELD INSPE	CTION OPERATION	FIELD E	EDIT OPERATION	(Partial)	
	OPERATION			NAME	DATE
I. CHIEF OF FIELD	PARTY		T Do- 1-11		N 107
		<del></del>	J. Randall None		Nov. 197
. HORIZONTAL CO	_		None		<del> -</del>
a nomeon as	PRE-MARKED OR ID	—	None		<del>                                     </del>
			N.A.		
. VERTICAL CONT	ROL ESTA	ABLISHED BY	N.A.		
	PRE-MARKED OR ID	ENTIFIED BY	N.A.		
	RECOVERED (Triangulation	n Stations) BY	None		
4. LANDMARKS AND	) LOCATED (Field	,	None		
AIDS TO NAVIGA	1D1	ENTIFIED BY	None		<u> </u>
	TYPE OF INVEST	IGATION			
5. GEOGRAPHIC NA INVESTIGATION		ву			İ
INVESTIGATION	SPECIFIC NAI				
	XX NO INVESTIG				127
. PHOTO INSPECT			J. Osborn,	JK.	Nov. 19
. BOUNDARIES AN I. SOURCE DATA	D_LIMITS SURVEYED OR ID	ENTIFIED BY	None		<u>.                                    </u>
	NTROL IDENTIFIED	2.	. VERTICAL CO	TROL IDENTIFIED	
None			N.A.		
PHOTO NUMBER	STATION NAME		PHOTO NUMBER	STATION DE	SIGNATION
·					
	72L(C) 2273 (1:10,000	scale ratio	cronápaque	es)	
L LANDMARKS AND	AIDS TO NAVIGATION IDENTIFIED				
None					
PHOTO NUMBER	OBJECT NAME	P	PHOTO NUMBER	OBJECT	NAME
. GEOGRAPHIC NA	MES: REPORT XX	NONE 6.	. BOUNDARY AN	DLIMITS: REPO	RT XX NONE
, SUPPLEMENTAL					4101
None					
none					
	CORDS (Sketch books, etc. DO NOT	list data submitted	to the Geodesy D	ivision)	

NOAA FOI (3-72)	RM 76-36D			ATIONAL OCEANIC		NT OF COMMERCI
(3-72)	:		TP-00630 RD OF SURVE			
I MANNIS	CHIRT CORIES				<u> </u>	<del></del>
II MANUS	CRIPT COPIES	MPILATION STAGE			DATE MANUSCR	IPT FORWARDED
	DATA COMPILED	DATE	T	MARKS	·	HYDRO SUPPOR
Compil	ation complete	Mar. 1973		manuscript	June 1973	June 1974
Partia	l field edit appli e of field edit	ed Apr. 1977		manuscript field_edited)	None	May 1977
Final	Review	Aug. 1986	Final Clas	ss III Map	Sapt. 3, 1986	Sept. 3, 1981
	MARKS AND AIDS TO NAVIGA		DATA BRANCH			
I. REP	CHART LETTER		T DATA BRANCH	<del></del>		
NUMBER (Pages	L NUMBER ASSISTED	DATE FORWARDED	<u>l</u>	REN	MARKS	
2		Supt. 3, 1986	l landmark	k and 1 aid f	or charts	<u>-</u>
2.	REPORT TO MARINE CHART	DIVISION, COAST	PILOT BRANCH.	DATE FORWARDED	D:	
3.	REPORT TO AERONAUTICA		I, AERONAUTICAI	L DATA SECTION.	DATE FORWARDED:	
1. 🔀	RAL RECORDS CENTER DAT  BRIDGING PHOTOGRAPHS;  CONTROL STATION IDENT!  SOURCE DATA (except for G ACCOUNT FOR EXCEPTION	X DUPLICATE IFICATION CARDS;	FORM NO	S 567 SUBMITTED B	Y FIELD PARTIES.	
4. 🗆	DATA TO FEDERAL RECO	RDS CENTER, DAT	E FORWARDED:			-
IV. SURV	EY EDITIONS (This section s	shall be completed e		p edition is registere	d) TYPE OF SURVEY	
SECOND	( -n	(2) PH -		□ RE		SURVEY
EDITION	DATE OF BUATORD OF			 	MAP CLASS	FINAL
THIRD	SURVEY NUMBER	JOB NUMBE			TYPE OF SURVEY	
EDITION	DATE OF PHOTOGRAPH			 	MAP CLASS □iv. □v.	FINAL
	SURVEY NUMBER	JOB NUMBE	R	_	TYPE OF SURVEY	
FOURTH	тР	_(4) PH		]	VISED RES	ÚRVÉY
EDITION	DATE OF PHOTOGRAPH				MAP CLASS	_

DFINAL

□u.

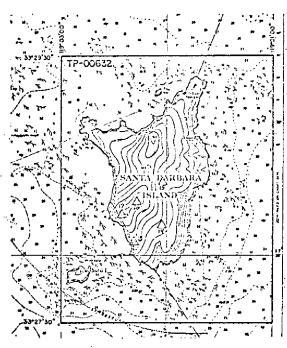
🗆 ııı.

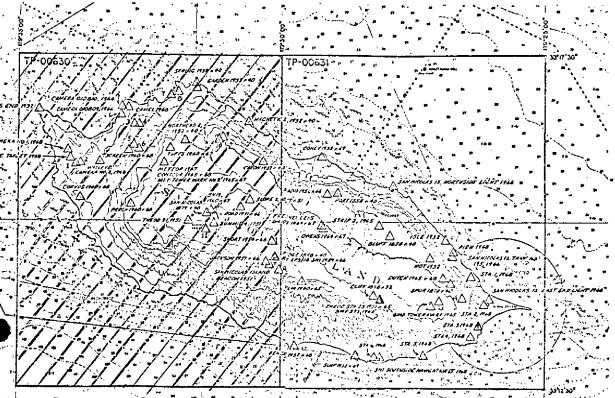
□iv.

# SAN NICOLAS & SANTA BARBARA ISLANDS, CALIFORNIA

SHORELINE MAPPING

SHEET NO.	SO MILES
TP-00630	7.
TP-00631	6
TP-00532	3_
TOTAL	<del>3</del> 76





#### 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 hydrogrpahic 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:

Final review for this final Class III map was performed at the Alantic 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.

# 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

# 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

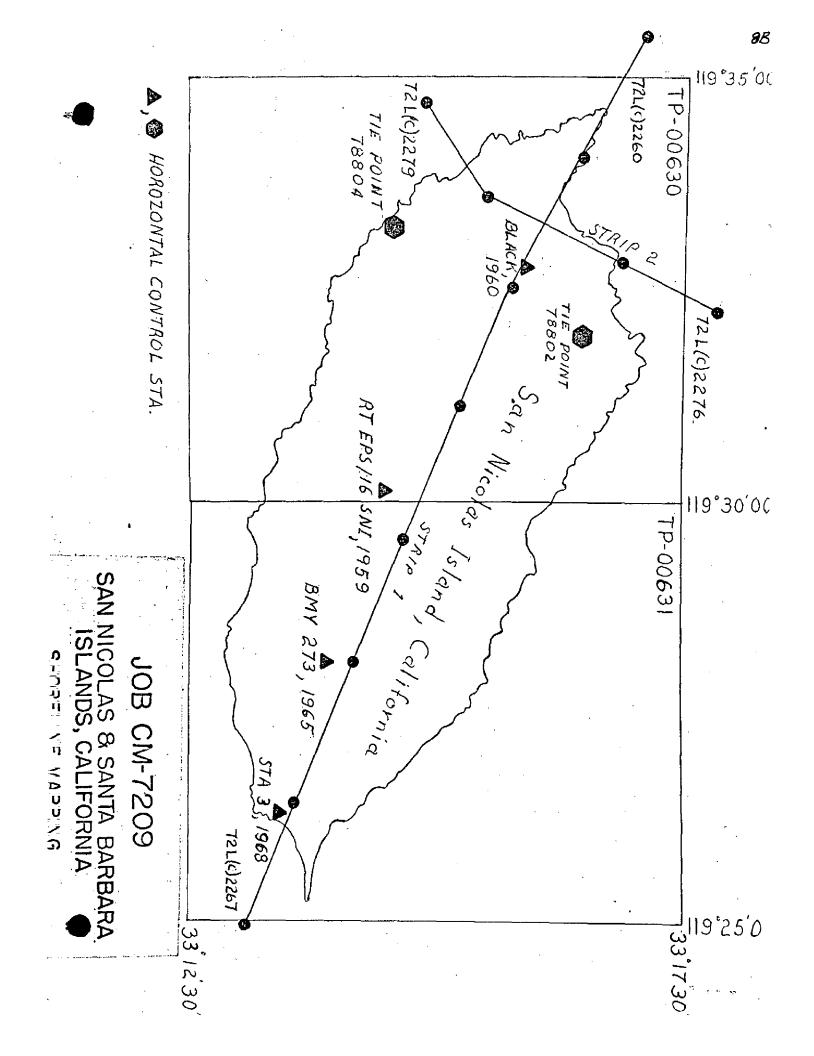
Respectively submitted:

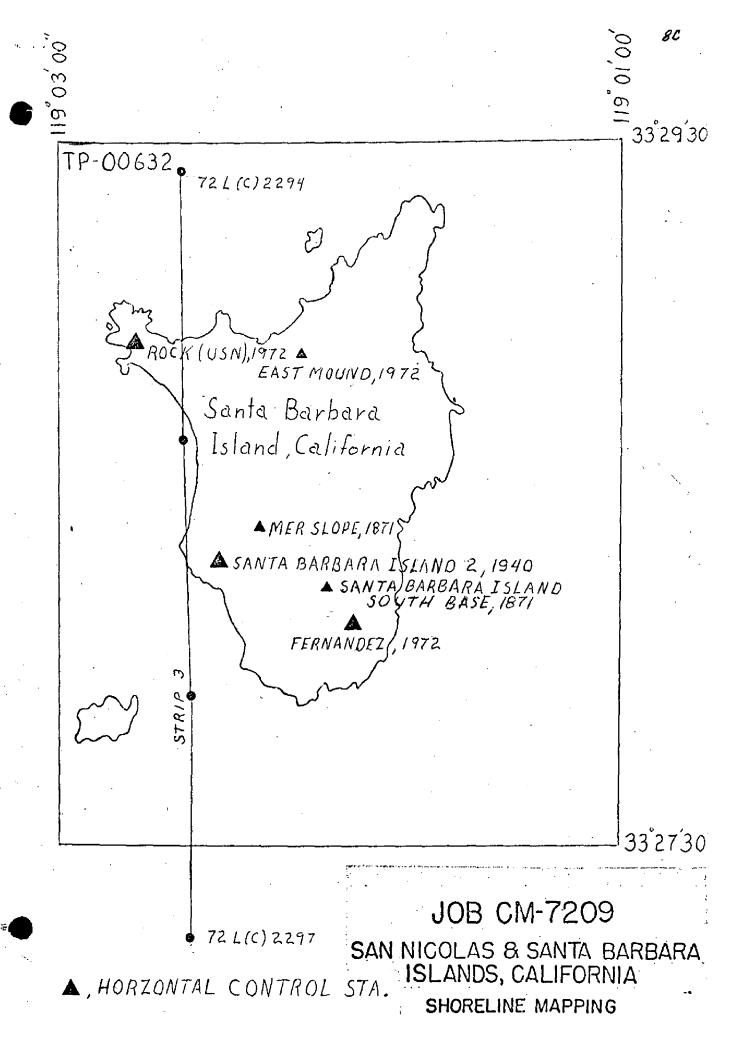
Joe/Keating

Cartographer

# LEGEND

	Control used in Adjustment	
()	Closures of Bridges to Cont	rol Shown
,	in Parenthesis	
$\triangle$	Control used as Checks	
	STRIP #1	,
A	Black 1960 R142	(-0.2, -1.1)
A	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)
<u>۾</u>	Black, 1960 RM2	(+7.7, -0.8)
•		
	STRIP #3	,
A	ROCK (USN), 1972	(0.0, 0.0)
	FENANDEZ, 1972	(0.0, 0.0)
	·	





No.			DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		
1950   COG-TOLON   COG-TOLO	MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING	ACTIVITY
1930   Action Name   Action	TP-00630	CM-72	60	N.A. 1927	AMC Coast	ping
1960		SOURCE OF	AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION	
0         Aero#164         χ=         φ 33 16 17.9598           32         QUAD.331193         χ=         φ 33 17 02.754           960         x=         φ 33 17 02.754           51         x=         φ 33 17 02.754           51         x=         φ 33 17 02.754           51         x=         φ 33 15 31.1528           51         x=         φ 33 14 21.296           51         x=         φ 33 14 53.330           8         x=         φ 33 16 56.649           32         x=         φ 33 16 56.649           33         x=         φ 33 16 56.649           4         x=         φ 33 16 41.59           1932         x=         φ 33 16 41.59           5         x=         φ 33 16 42.59           6         y=         x=         φ 33 16 42.59           8         x=         φ 33 16 42.59           9         x=         φ 33 16 42.59           10         x=         φ 33	STA LON NAME	INFORMATION (Index)	POINT		— φ LATITUDE — λ LONGITUDE	REMARKS
1932   QUAD. 331193   X=		A 2 2 2 4 1 6 7.		=χ	33 16	
1932   QUAD.331193   X=   \$\psi   3.17 02.754   \$\psi   \frac{g}{g}		vero#104		y=	119 34	<u> </u>
T. 1946   T. 1				χæ	33 17 02.754	
1960	•			if=	119 31	
1932   STA. 1004   STA. 1004   STA. 1006   STA. 1007	OPDCEANT 1060			=χ	33 15 31.1528	,
1951   21.24ND   21.29   31.93   31.93   31.95   31.296   31.296   31.295	SENGERAL, 1700			=ĥ	119 34 15.7692	
1951   STA. 1023   $y=$   $x=$	CAT	QUAD.331193		=χ	33 14 21.296	
Name	BEACON, 1951			ήz	119 30	
1932   STA. 1020   y=	ı	=		χ=	33 14 53.330	
1932	584/615,	STA.		Ŋ=	119 31 26.649	
STA. 1004   $y=$   $x=$		*		=χ	33 16 58,644	
STA.   1006   $y=$   $x=$   $\phi$   33   16 41.59   $y=$   $y=$   $x=$   $\phi$   33   16 41.59   $y=$   $x=$   $x=$   $\phi$   33   16 27.54   $x=$   $y=$   $y=$   $x=$   $\phi$   33   16 27.54   $x=$   $y=$   $y$				'n=	119 31	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ו טאס	Ε		=X	33 16 41.59	
IC 2, 1932       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	END, I			η=	119 34	
1966 P. 59 $\frac{x^{2}}{y^{2}}$ $\frac{y^{2}}{y^{2}}$ $\frac{y^{2}}{y^{2}}$ $\frac{x^{2}}{y^{2}}$ $\frac{y^{2}}{y^{2}}$	۰			χ=	33 16	
1966         P. 59         x=         φ 33 16 42.0249′           μ=         μ=         λ 119 32 56.9380′           γ=         κ=         φ 33 15 20.4967′           μ=         μ=         φ 33 15 20.4967′           μ=         μ=         λ 119 33 49.4869′           μανε         μ=         λ 119 33 49.4869′           β=         μ=         λ 119 33 49.4869′           β =         μ=         λ 119 33 49.4869′           β =         μετικε White         μετικε White           β =         μετικε μετικε σμεσκεύ βγ	۲,			=ħ	119 30	
1960 $y=$ $x=$ $y=$ $x=$ $y=$ $y=$ $y=$ $y=$ $y=$ $y=$ $y=$ $y$		1		=χ	33 16	
1960 $\chi =$ $\phi$ 33 15 20.4967/ $\phi$ 310 $\chi =$ $\chi$ 119 33 49.4869/ $\phi$ 310 $\chi$ 119 33 49.4869/ $\phi$				η=	119 32	
10ck   β   β   β   β   β   β   β   β   β				=χ	33 15	
10/11/72 COMPUTATION CHECKED BY 12/11/72 R.W. White DATE LISTING CHECKED BY G BY DATE HAND PLOTTING CHECKED BY	_			η=	119 33	
DATE LISTING CHECKED BY G BY DATE HAND PLOTTING CHECKED BY	OMPUTED BY A.C. Rauck			COMPUTATION CHECKED BY R.R. White		P2/29/72
DATE HAND PLOTTING CHECKED BY	ISTED BY		DATE	LISTING CHECKED BY		DATE
	HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE

NOAA RM 76-41 (6-75)					U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
		DESCRIPTIV	E REPORT CONTROL REC		
MAP NO. TP-00630	JOB NO. CM-7209		GEODETIC DATUM N.A. 1927	ORIGINATING ACTIVITY AMC Coastal Mapping	Mapping Section
	SOURCE OF	AEROTRI-	COORDINATES IN FEET	<b>⊣</b> ₹	
STATION NAME	INFORMATION (Index)	POINT	STATE OF CONE	- φ LATITUDE - λ LONGITUDE	REMARKS
			χ=	\$\phi\$ 33 15 28.1143 \(^2\)	
BLACK, 1960	P. 4		y=	l	
370t Ivaoagoo	t.		=χ	15	
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#### 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.

#### 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

Susan Kumer Cartographer March 27, 1973

Approved

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-ló-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°16'55"N, longitude 119°31'37"W. Work progressed westward to completion at latitude 33°16'40"N, longitude 119°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 comsulted.

#### 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<sup>0</sup>16'52"N, 119<sup>0</sup>33'12"W 33<sup>0</sup>17'09"N, 119<sup>0</sup>32'37"W 33<sup>0</sup>17'17"N, 119<sup>0</sup>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 baring 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,

John C. Osborn Jr.

LTJG, NOAA

#### 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 Final Reviewer

Chief, Photogrammetric Section, AMC

Approved

Chief, Photogrammetric

Rockville.

Operations, Chief, Photogrammetry

Rockville

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NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

☆ U.S.GPO:1975-0-665-080/1155

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NOAA FORM 75-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

分 U.S.GPO:1975-0-865-080/1155

#### NAUTICAL CHART DIVISION

#### 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 Revie

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