TP-00642 ORIGINAL

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of SurveyShoreli	ne
Job NoCM-7.213	_{Мар No.} . ТР-00642.
Classification No.	Edition Nol
Field Edite	d Map
LOCALIT	Υ
State Maryland	
General Locality Gunpow.	der River
Locality Carroll Isl	and

1972 TO	1974
	_
REGISTRY IN AR	RCHIVES
DATE	

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

ı				
۰		В	ľ	
	ı	Э	ı	
	ı		ľ	

				_
NOAA FORM 76-36A (3-72) NATIONAL C	U. S. DEPARTMENT OF COMMERCE	TYPE OF SURVEY	SURVEY	тр. 00642
		■ ORIGINAL	MAPEDIT	-
Decompanie beb	ODT DATA DECARS	RESURVEY	1	ss Final (F.E.
DESCRIPTIVE REP	ORT - DATA RECORD	_		RM- CM-7213
PHOTOGRAMMETRIC OFFICE		REVISED	JOB	
Coastal Mapping Divis	ion	LAST PRECEEL		
Atlantic Marine Cente		TYPE OF SURVEY	JOB	PH
OFFICER-IN-CHARGE	<u> </u>	ORIGINAL RESURVEY	SURVEY	SS DATES:
Toffmare C. Camlan, Ca		REVISED	19	
Jeffrey G. Carlen, Cd	1.			
	FFICE	2	, FIELD	
	0.10/.100		-	
Aerotriangulation Compilation	2/26/73 10/00/93	j ¹¹ ,	/08/72	
Amendment I	2/26/73 10/09/7 ³ 1/28/74			
	4/20/14			
				t
II. DATUMS				
1. HORIZONTAL:	X 1927 NORTH AMERICAN	OTHER (Specify)		
The responsibility of the second		OTHER (Specify)		
	X MEAN HIGH-WATER	O · · · · L · · (opasity)	* *	
2. VERTICAL:	MEAN LOWER LOW-WATER			
	MEAN SEA LEVEL			· ·
3. MAP PROJECTION			GRID(S)	
Polyconic	,	Maryland	ZONE	
5. SCALE		STATE	ZONE	
1:10,000				
III. HISTORY OF OFFICE OPERA			<u></u>	1
1 AFROTRIANGULATION	RATIONS	J. Shad Sc	HAD	10/73
METHOD: Stereoplani	graph LANDMARKS AND AIDS BY	U Onad GC	MAG	10/12
2. CONTROL AND BRIDGE POINT	······································	Allen		10/73
метноо: Coradomat	CHECKED BY	Allen		10/73
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	F. P. Margio		12/73
COMPILATION INSTRUMENT: Wild B-	S CONTOURS BY	L. O. Netere:	<u>r </u>	12/73
scale: 1:15,000	O CONTOURS BY CHECKED BY	NA NA		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	F. R. Gustaf	son	2/74
·	CHECKED BY	C. Bishop		2/74
метнор: Smooth Draf		NA		
	CHECKED BY	NA NA		
SCALE: 1:10,000	HYDRO SUPPORT DATA BY CHECKED BY	NANA		
5. OFFICE INSPECTION PRIOR T		C. H. Bishop		2/74
6. APPLICATION OF FIELD EDIT	DATA	Charles Parke		10/74
	CHECKED BY	R. R. White		1/75
7. COMPILATION SECTION REVIEW	EW BY	R. R. White A. L. Shands		1/75 5/77
9. DATA FORWARDED TO PHOTO		A. L. Shands A. L. Shands		5/77
10. DATA EXAMINED IN PHOTOGR		F. R. WATT	 S	6/27
11. MAP REGISTERED - COASTAL	SURVEY SECTION BY	R.T. Cotok		2/22

SUPERSEDES FORM C& G\$ 181 SERIES

NOAA FORM 76-36 A

NOAA FORM 76-36B				N	ATIONAL OCE	U. ANIC AND	S. DEPA	RTMENT HERIC AL	OF COMMERCE
			TP-00 MPILATIO						OCEAN SURVEY
		CO	MPILATIO	N SOU	RCES				
1. COMPILATION PH	OTOGRAPHY			_	· ·				
CAMERA(S)			TYPE	S OF PH	OTOGRAPHY		T 1840	REFER	THCE
	RC-8 "L"		X (CT)	LEGI Color	End In f rared		1 11/15	REFER	
TIDE STAGE REFERE			(C) CC		THILATER	ZONE			
X PREDICTED TIDE			(P) PA	NCHROM	IATIC	MERID	aster	'n	STANDARD
TIDE CONTROLLI		нү	(I) INI	RARED			5th		DAYLIGHT
NUMBER AND	TYPE	DATE	TIM	Ε	SCALE			AGE OF T	IDE
72L(CI)144 1		10/01/72	13,:0	9	1:30,000	. 1	.0 ft	abov	ve MLW
				r					
					L				
REMARKS									
2. SOURCE OF MEAN	J HIGH WATER	INE.			<u> </u>				 _
The mean hig	h water li	ine was comp	iled fr	om the	above li	sted ph	otogr	aphs.	
·		-				•	•	•	
				•					
3. SOURCE OF MEAN	LOW-WATER O	R MEAN LOWER L	OW-WATER	LINE:					
None compile	ed.								
				-					
		•							
4. CONTEMPORARY	HYDROGRAPHI	C SURVEYS (List	only those s	urveys th	et are sources f	or photogra	nmetric :	survey inf	ormation.)
SURVEY NUMBER	DATE(S)	SURVEY CO	PY USED	SURVE	YNUMBER	DATE(S)		SURVEY	COPY USED
5. FINAL JUNCTION	 S			L		<u> </u>		L	
NORTH	EA	ST		SOUTH	-t		WEST		
TP-00640		TP-0064;	3	<u> </u>	No Survey			No Su	rvey
REMARKS									

HISTORY OF FIELD OPERATIONS FIELD INSPECTION OPERATION	IOAA FORM 76~36C 3-72)				NATIONAL OCE			
OPERATION CHIEF OF FIELD PARTY HORIZONTAL CONTROL RECOVERED BY EAR ABLED ON DENTIFIED BY RE-MARKED ON DENTIFIED BY RE-COVERED DY RE-COVERD DY RE-COVERED DY RE-COVERED DY RE-COVERED DY RE-COVERED DY RE-COVERED DY RE-COVERED DY RE-COVERD DY RE-COVE			His	TP-0064 TORY OF FIELD	2 OPERATIONS		na nome	OCEAN JOIN
THE OF FIELD PARTY M. C. Grunthal RECOVERED BY A POTON, E. Homick, M. G. Grunthal PRE-MARKED ON IDENTIFIED BY A POTON, E. Homick, M. G. Grunthal PRE-MARKED ON IDENTIFIED BY A POTON, E. Homick, M. G. Grunthal RECOVERED BY ESTABLISHED BY NA NA PRE-MARKED ON IDENTIFIED BY NA MECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY NA INDENTIFIED BY NA MECOVERED (Triangulation Stations) BY NA LANDMARKS AND LOCATED (Field Methods) BY NA IDENTIFIED BY NA NODE COGGRAPHIC NAMES INVESTIGATION PHOTO INSPECTION CLARIFICATION OF DETAILS BY NODE BOUNDARIES AND LIMITS SURVEYED ON IDENTIFIED DOWNSTIGATION PHOTO NUMBER STATION NAME PHOTO NUMBER STATION AME STATION DESIGNATION PHOTO NUMBER STATION DESIGNATION PHOTO NUMBER STATION DESIGNATION CHERTLI, 1972 (Temp.) PL(CI)144 EMIL, 1972 (Temp.) PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME OB	· 🗽 FIELD INSPE	CTION OPERA	TION	FIE	D EDIT OPERATION	١.		· ·
RECOVERED BY A POOK E HOMICK, M. G. Grunths 1 12/72 RESTABLISHED BY A POOK E HOMICK, M. G. Grunths 1 12/72 VERTICAL CONTROL PREMARKED OR IDENTIFIED BY NA RECOVERED (Trianguistion Stations) BY NA LANDMARKS AND LOCATEC (Trianguistion Stations) BY NA LANDMARKS AND LOCATEC (Trianguistion Stations) BY NODE LANDMARKS AND LOCATEC (Trianguistion Stations) BY NODE TYPE OF INVESTIGATION GEOGRAPHIC NAMES COMPLETE BY NA BOUNDARIES AND LIMITS SURVEYED ON IDENTIFIED BY NA HOMIZONTAL CONTROL IDENTIFIED TO NA SOURCE DATA HOMIZONTAL CONTROL IDENTIFIED LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED BY NA HOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION PHOTO NUMBERS (Classification of details) NODE LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NODE LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NODE CEOGRAPHIC NAMES: REPORT X NONE 6. BOUNDARY AND LIMITS: REPORT X NONE SUPPLEMENTAL MARS AND PLANS NODE OTHER FIELD RECORDS (Sketch Books, etc. DO NOT Hat data submitted to the Geodesy Division)		OPER	ATION -			NAME		DATE
RECOVERED BY RECOVERED BY PRE-MARKED ON IDENTIFIED BY RECOVERED (Trianglustion Stations) BY LOCATED (Field Methods) BY LOCATED (Field Methods) BY INDENTIFIED BY TYPE OF INVESTIGATION RECOVERED BY SPECIFIC NAMES ONLY IN INVESTIGATION PHOTO INSPECTION CLAMFICATION OF DETAILS BY ROUNDER STATION NAME PHOTO NUMBER SUBVEYED ON IDENTIFIED BY NA HOTO NUMBER STATION NAME PHOTO NUMBER STATION NAME PHOTO NUMBER STATION OF DETAILS BY NOTE LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NA HOTO NUMBERS (Classification of dytalls) NOTE LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NOTE LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NOTE CHERYL, 1972 (Temp.) CHERYL, 1972 (Temp.) GEOGRAPHIC NAMES: DEPORT IN NOME SUPPLEMENTAL MAPS AND PLANS NOTE GEOGRAPHIC NAMES: REPORT IN NOME 6. BOUNDARY AND LIMITS: REPORT IN NOME GEOGRAPHIC NAMES: REPORT IN NOME 6. BOUNDARY AND LIMITS: REPORT IN NOME OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	. CHIEF OF FIELD	PARTY			W a a			7.0 /80
RECOVERED BY PRE-MARKED ON IOENTIFIED BY NA NA NA NATION DESIGNATION STATION DESIGNATION STATION DESIGNATION STATION DESIGNATION STATION DESIGNATION STATION DESIGNATION STATION DESIGNATION STATION STATION DESIGNATION STATION STATI	· · · · · · · · · · · · · · · · · · ·	·····	 	BECOVERED BY			Gmmthdl	
PRE-MARKED OR IDENTIFIED BY RECOVERED BY STABLISHED BY NA	. HORIZONTAL CO	ONTROL						
RECOVERED BY NA NA PRE-MARKED OR IDENTIFIED BY NA NA PRE-MARKED OR IDENTIFIED BY NA NA NO. LANDMARKS AND LOCATED (Field Methods) BY LOCATED (Field Methods) BY NO. AIDS TO NAVIGATION LOCATED (Field Methods) BY NO. GEOGRAPHIC NAMES COMPLETE BY NO. TYPE OF INVESTIGATION NO. GEOGRAPHIC NAMES SPECIFIC NAMES ONLY NO. PHOTO INSPECTION CLARIFICATION OF DETAILS BY NO. BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY NA SOUNCE DATA HORIZONTAL CONTROL IDENTIFIED NA NA MOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION DESIGNATION OF DETAILS BY NO. ELICIDIAL EMIL, 1972 (Temp.) CHERYL, 1972 (Temp.) PHOTO NUMBERS (Clarification of details) NO. NO. CHERYL, 1972 (Temp.) CHERYL, 1972 (Temp.			PRE-MARKED					11/72
PRE-MARKED OR IDENTIFIED BY NA RECOVERED (Tringulation Stations) BY NONE LOCATED (Field Methods) BY NONE TYPE OF INVESTIGATION GEOGRAPHIC NAMES INVESTIGATION CLARIFICATION OF DETAILS BY PHOTO INSPECTION CLARIFICATION OF DETAILS BY NONE BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY NA SOURCE DATA HORIZONTAL CONTROL IDENTIFIED NA HOTO NUMBER STATION NAME PHOTO NUMBER STATION NAME PHOTO NUMBER STATION NAME PHOTO NUMBER CROW, 1972 (Temp.) ZL(CI)144 CROW, 1972 (Temp.) ZL(CI)147 CHERYL, 1972 (Temp.) PHOTO NUMBERS (Clarification of details) NONE LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE HOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME GEOGRAPHIC NAMES: REPORT IN NONE GEOGRAPHIC NAMES: REPORT IN NONE OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	•			RECOVERED BY				
RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY NONE AIDS TO NAVIGATION TYPE OF INVESTIGATION GEOGRAPHIC NAMES GEOGRAPHIC NAMES SECLIFIC NAMES ONLY [X] NO INVESTIGATION PHOTO INSPECTION CLARIFICATION OF DETAILS BY NONE BOUNDARIES AND LIMITS SOURCE DATA HOTO NUMBER STATION NAME PHOTO NUMBER STATION NAME PHOTO NUMBER STATION NAME PHOTO NUMBER STATION OF DETAILS BY NONE LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE PHOTO NUMBERS (Clarification of details) NONE CANDINATE ON PROPERTY OF THE PROPERTY	VERTICAL CONT	FROL		ESTABLISHED BY	NA			
LOCATED (Field Methods) BY DONG AIDS TO NAVIGATION GEOGRAPHIC NAMES TYPE OF INVESTIGATION GEOGRAPHIC NAMES SPECIFIC NAMES ONLY NO INVESTIGATION PHOTO INSPECTION CLARIFICATION OF DETAILS BY NONE BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY NA HORIZONTAL CONTROL IDENTIFIED 2. VERTICAL CONTROL IDENTIFIED NA HOTO NUMBER STATION NAME PHOTO NUMBER STATION NAME PHOTO NUMBER CROW, 1961 NO 1 2L(CI)144 EMIL, 1972 (Temp.) CHERYL, 1972 (Temp.) C		4.55	PRE-MARKED	OR IDENTIFIED BY	NA			
AIDS TO NAVIGATION TYPE OF INVESTIGATION GEOGRAPHIC NAMES DIVERTIFIED BY NA SOURCE DATA HORIZONTAL CONTROL IDENTIFIED NA HOTO NUMBER STATION NAME PHOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION CROW, 1961 NO 1 EMIL, 1972 (Temp.) CHERYL, 1972 (Temp.) CHERYL BOOBY, 1972 (Te		REC	OVERED (Trian	gulation Stations) BY	None			
TYPE OF INVESTIGATION GEOGRAPHIC NAMES INVESTIGATION GEOGRAPHIC NAMES INVESTIGATION CLARIFICATION OF DETAILS BY NONE BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY NA SOURCE DATA MORIZONTAL CONTROL IDENTIFIED NA HOTO NUMBER STATION NAME PHOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION PHOTO NUMBER STATION DESIGNATION CL(CI)145 BOOBY, 1972 (Temp.) CL(CI)144 CROW, 1961 NO 1 CL(CI)147 CHERYL, 1972 (Temp.) PHOTO NUMBERS (Clarification of details) None LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE MOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME OBJECT NAME GEOGRAPHIC NAMES: REPORT [X] NONE GEOGRAPHIC NAMES: REPORT [X] NONE GEOGRAPHIC NAMES: REPORT [X] NONE OTHER FIELD RECORDS (Sketch books, etc. DO NOT fist data submitted to the Geodesy Division)			LOCATE	(Field Methods) BY	None			
GEOGRAPHIC NAMES GEOGRAPHIC N	AIDS TO NAVIGA				None			
INVESTIGATION SPECIFIC NAMES ONLY NO INVESTIGATION PHOTO INSPECTION CLARIFICATION OF DETAILS BY NOTE BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY NA SOURCE DATA HOTO NUMBER STATION.NAME PHOTO NUMBER CHERYL, 1972 (Temp.) SUPPLEMENTAL MAPS AND PLANS NOTE CEOGRAPHIC NAMES: REPORT NONE SUPPLEMENTAL MAPS AND PLANS NOTE OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)								
PHOTO INSPECTION CLARIFICATION OF DETAILS BY NOTE BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY NA SOURCE DATA MORIZONTAL CONTROL IDENTIFIED PHOTO NUMBER STATION NAME PHOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION PHOTO NUMBER (Clarification of details) NOTE L(CI)144 CROW, 1961 NO 1 PHOTO NUMBERS (Clarification of details) NOTE LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NOTE HOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME		MES		BY				
Denoto inspection clarification of details by None Boundaries and limits surveyed or identified by NA Source Data Horizontal control identified Photo number station name photo number station designation 2L(CI)145 BOOBY, 1972 (Temp.) 2L(CI)144 CROW, 1961 NO 1 2L(CI)144 EMIL, 1972 (Temp.) Photo numbers (Clarification of details) None Landmarks and aids to navigation identified None Hoto number object name photo number object name GEOGRAPHIC NAMES: Report Name for name of the control identified in the Geodesy Division) CHERYLL MAPS and Plans None GEOGRAPHIC NAMES: Report Name for no None in the Geodesy Division)	111723710711011							
BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED 2. VERTICAL CONTROL IDENTIFIED NA HOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION PHOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION PHOTO NUMBERS (Clarification of details) None LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE HOTO NUMBERS (Clarification of details) None GEOGRAPHIC NAMES: PRPORT X NONE 6. BOUNDARY AND LIMITS: REPORT NONE GEOGRAPHIC NAMES: REPORT X NONE GEOGRAPHIC NAMES: REPORT X NONE SUPPLEMENTAL MAPS AND PLANS NODE OTHER FIELD RECORDS (Sketch books, etc. DO NOT list date submitted to the Geodesy Division)					NT			
SOURCE DATA HORIZONTAL CONTROL IDENTIFIED 2. VERTICAL CONTROL IDENTIFIED NA HOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION PHOTO NUMBER CROW, 1961 NO 1 2L(CI)144 EMIL, 1972 (Temp.) CHERYL, 1972 (Temp.) PHOTO NUMBERS (Clarification of details) None LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE HOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER GEOGRAPHIC NAMES: REPORT X NONE SUPPLEMENTAL MAPS AND PLANS NONE OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)								
HORIZONTAL CONTROL IDENTIFIED 2. VERTICAL CONTROL IDENTIFIED NA HOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION PHOTO NUMBER CROW, 1972 (Temp.) CROW, 1961 NO 1 EMIL, 1972 (Temp.) CHERYL, 1972 (Temp.) PHOTO NUMBERS (Clarification of details) None LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED None HOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME GEOGRAPHIC NAMES: REPORT X NONE SUPPLEMENTAL MAPS AND PLANS None OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)		ID LIMITS	SURVEYED	OR IDENTIFIED BY	NA_			
ACTION NAME STATION NAME PHOTO NUMBER STATION DESIGNATION PHOTO NUMBER STATION DESIGNATION PHOTO NUMBER STATION DESIGNATION PHOTO NUMBER CROW, 1961 NO 1 EMIL, 1972 (Temp.) CHERYL, 1972 (Temp.) PHOTO NUMBERS (Clarification of details) None LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE HOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME OBJECT NAME GEOGRAPHIC NAMES: REPORT NONE SUPPLEMENTAL MAPS AND PLANS NONE OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)		NTROL IDENT	IFIED	· ==,	2. VERTICAL CO	NTROL IDE	NTIFIED	
ACTION NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION 2L(CI)145 BOOBY, 1972 (Temp.) 2L(CI)144 CROW, 1961 NO 1 2L(CI)144 ENIL, 1972 (Temp.) 2L(CI)147 CHERYL, 1972 (Temp.) PHOTO NUMBERS (Clarification of details) None LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONe HOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME GEOGRAPHIC NAMES: REPORT NONE 6. BOUNDARY AND LIMITS: REPORT NONE SUPPLEMENTAL MAPS AND PLANS NONE OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)		•			l _{NA}			
CAL(CI)145 BOOBY, 1972 (Temp.) CAL(CI)144 CROW, 1961 NO 1 CAL(CI)144 EMIL, 1972 (Temp.) CHERYL, 1972 (Temp.) PHOTO NUMBERS (Clarification of details) None LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE HOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME GEOGRAPHIC NAMES: REPORT NONE GEOGRAPHIC NAMES: REPORT NONE SUPPLEMENTAL MAPS AND PLANS NONE OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	NOTO NUMBER	<u> </u>	STATION NA				TATION DESIG	UA TION
None LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED None HOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME GEOGRAPHIC NAMES: REPORT X NONE 6. BOUNDARY AND LIMITS: REPORT NONE SUPPLEMENTAL MAPS AND PLANS None OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	2L(CI)144 2L(CI)144 2L(CI)147	CROW, 19 EMIL, 19	61 NO 1 72 (Temp.))				
None HOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME GEOGRAPHIC NAMES: REPORT NONE SUPPLEMENTAL MAPS AND PLANS NONE OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	PHOTO NUMBER	S (Clarification	of details)			<u> </u>		
MONE HOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME GEOGRAPHIC NAMES: REPORT X NONE SUPPLEMENTAL MAPS AND PLANS NONE OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	None							
GEOGRAPHIC NAMES: REPORT NONE 6. BOUNDARY AND LIMITS: REPORT NONE SUPPLEMENTAL MAPS AND PLANS None OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	LANDMARKS AN	D AIDS TO NAV	IGATION IDEN	TIFIED				
GEOGRAPHIC NAMES: REPORT NONE 6. BOUNDARY AND LIMITS: REPORT NONE SUPPLEMENTAL MAPS AND PLANS None OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	None							
SUPPLEMENTAL MAPS AND PLANS None OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	HOTO NUMBER	· · · · · · · · · · · · · · · · · · ·	OBJECT NA	ME	PHOTO NUMBER		OBJECT NA	ME
SUPPLEMENTAL MAPS AND PLANS None OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)								•
None OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	. GEOGRAPHIC NA	MES:	REPORT	[X] NONE	6. BOUNDARY AN	ID LIMITS:	REPORT	[∑] NONE
OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	SUPPLEMENTAL	MAPS AND PL	ANS					
	None							
/ Form 152's Control Station Identification	OTHER FIELD R	ECORDS (Sketch	books, etc. DC	NOT list data subm	tted to the Geodesy E	ivision)		
A ROTOLINATE LANTERAL STATION INCONTITION **	/ Form 1501	a Canton:	I (14.4.4.4	T4 12 A+ ++				

NOAA FORM 76-36C (3-72)

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

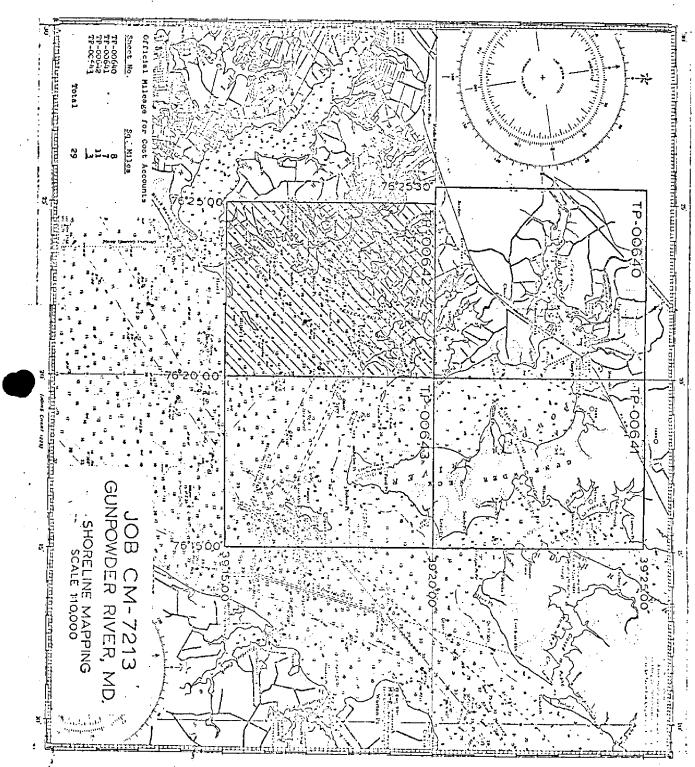
:		TP-00642 History of Field	OPERATIONS	NATION	AL OCEAN SURVEY
I. FIELD INSP	ECTION OP	ERATION X FIEL	D EDIT OPERATION		
	_ 0	PERATION		NAME	DATE
1. CHIEF OF FIEL	D PARTY		R. D.	Black	8/28/74
		RECOVERED BY		Black	8/28/74
2. HORIZONTAL	CONTROL	ESTABLISHED BY		Black	8/28/74
		PRE-MARKED OR IDENTIFIED BY	None		
		RECOVERED BY	NA_		
3. VERTICAL CON	NIROL	ESTABLISHED BY	NA NA		
		PRE-MARKED OR IDENTIFIED BY	NA B D	Black	0/20/71
4. LANDMARKS A		RECOVERED (Triangulation Stations) BY		Black	0/20/14
AIDS TO NAVIG		LOCATED (Field Methods) BY		Black	0/20/14
	· · ·	TYPE OF INVESTIGATION	It. D.	DIACK	0/20/4
5. GEOGRAPHIC !	NAMES	COMPLETE			
INVESTIGATIO		SPECIFIC NAMES ONLY			
[NO INVESTIGATION			
6. PHOTO INSPEC	TION	CLARIFICATION OF DETAILS BY	R. D.	Black	
7. BOUNDARIES A	ND LIMITS	SURVEYED OR IDENTIFIED BY	NA		
II. SOURCE DATA					
1. HORIZONTAL	CONTROL ID	ENTIFIED	2. VERTICAL CO	NTROL IDENTIFIED	
None			NA		
PHOTO NUMBER		STATION NAME	PHOTO NUMBER	STATION DE	SIGNATION
3. РНОТО NUMBE	RS (Clarifica	ation of details)			
72L(CI)14	4, 145,	146, 147 and 148			
4. LANDMARKS A	ND AIDS TO	NAVIGATION IDENTIFIED .			
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	ОВЈЕСТ	NAME
72L(CI)146 72L(CI)146		land Entrance Light rvt. main't., red			
5. GEOGRAPHIC I		REPORT NONE	6. BOUNDARY AN	ID LIMITS: REPO	RT Y NONE
7. SUPPLEMENTA None	L MAPS AN	D PLANS			
	RECORDS (S	iketch books, etc. DO NOT list data submi	ited to the Geodesis F)ivision)	
4 Form NO			lid with Fiel		
4 C&GS For					
l Field Ed					
1 Field Ed	, -				•

NOAA FORM 76-36D (3-72)

U. S. DEPARTMENT OF COMMERCE
TP-00642

RECORD OF SURVEY USE

I. MANUSC	RIPT COPIES												
<u> </u>		MPILATION STAGE	<u>s</u>			USCRIPT FORWARDED							
	DATA COMPILED	DATE	RE	MARKS	MARINE CH	ARTS HYDRO SUPPORT							
	ation complete, g field edit.	2/74	Class II	I Manuscrip	t 2/22/	74 4/22/74							
	edit applied. ation complete.	10/74	Class I	Manuscript	1/16/	75							
Final	Review	5/77		·-·	7/7/	777							
	ARKS AND AIDS TO NAVIGA				· · · · · · · · · · · · · · · · · · ·								
1. REP	ORTS TO MARINE CHART DI	VISION, NAUTICAL	DATA BRANCH			-							
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED			REMARKS								
1	2775	1/21/75	Landmark :	for charts.									
1	2775	1/21/75	Landmark	for deletio	n.	<u></u>							
1	2775	1/21/75	Nonfloati	ng aid for	charts.								
	REPORT TO MARINE CHART REPORT TO AERONAUTICA												
III. FEDEI	RAL RECORDS CENTER DAT	7 A			<u> </u>								
	BRIDGING PHOTOGRAPHS;		BRIDGING REPO	RT: COMP	UTER READOUT	s.							
\equiv	CONTROL STATION IDENTI			S SEX SUBMITTE									
3, []	SOURCE DATA (except for G ACCOUNT FOR EXCEPTION		port) AS LISTED	IN SECTION II, NO	DAA FORM 75-360								
4. 🗀	DATA TO FEDERAL RECO	RDS CENTER. DAT	E FORWARDED:	 ,									
IV. SURVE	Y EDITIONS (This section s	hall be completed ea	ach time a new mai	p edition is reaist	ered)								
	SURVEY NUMBER	JOB NUMBE			TYPE OF SU	`							
SECOND	TP.	(2) PH	<u></u>		REVISED	RESURVEY							
EDITION	DATE OF PHOTOGRAPS	HY DATE OF F	ELD EDIT		MAP CLA	SS FINAL							
	SURVEY NUMBER	JOB NUMBE	R		TYPE OF SU	RVEY							
THIRD	TP	(3) PH			REVISED	RESURVEY							
EDITION	DATE OF PHOTOGRAPH				MAP CLA	_							
	SURVEY NUMBER	105 51151			III. □IV.								
		JOB NUMBE			TYPE OF SU	RVEY Dresorvéy							
FOURTH	TP		ELD EDIT		MAP CLA								
EDITION			-										



_

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORTS

TP-00640 through TP-00643

Project CM-7213 consists of four 1:10,000 scale maps covering the Gunpowder River, extending from Hawk Cove and Pooles Island at the southern end to Gunpowder Falls and Lauderick Creek at the northern end. The purpose was to provide support for the contemporary hydrographic operations in the area and to supply current shoreline for nautical chart construction.

Field work prior to compilation was limited to the recovery and identification of horizontal control for bridging purposes.

Compilation was done at the Atlantic Marine Center by Wild B-8 stereoplotter method, using 1:30,000 scale color infrared photography.

Field edit was accomplished in July and August 1974 and applied at AMC in September and October 1974.

Final review was done at AMC in May 1977.

The original stabelene base manuscripts were forwarded to the Rockville Office for reproduction and final registration.

FIELD INSPECTION

TP-00642

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for bridging.

PHOTOGRAMMETRIC PLOT REPORT Job CM-7213 Gunpowder River, Maryland 2 October 1973

21. Area Covered

The area covered in this report extends from Hart Island to the head water of Gunpowder River. The area is covered by four ~ 1:10,000 scale sheets, TP-00640 thru TP-00643.

22. Method

Three strips of 1:30,000 color infrared photography were bridged on the Zeiss C-8 stereoplanograph and adjusted by the IBM computer. The three strips were used to obtain passpoint positions for the models and to determine the scale ratio for the strips.

Strip #1 (72L(c) infrared 144 thru 153) was adjusted on seven field-identified horizontal stations and three horizontal tie stations of strip 72L(c) 126 thru 133. Six field-identified horizontal stations and two horizontal tie stations were used as checks. Difficulty in adjusting the strip occurred from photo 72L(c) 144 thru 146 where photo coverage was weak (less than one-half of the models were set on the Zeiss C-8).

Strip #2 (72L(c) 099 thru 105 infrared) was adjusted on six field-identified horizontal stations and one horizontal tie station. Six field identified stations and four horizontal tie stations were used as checks. Photo 72L(c) 106 is to be compiled on three field identified positions: (1) Ricketts (temp) A & B; (2) Pooles Island Light House, 1843, r. 1961; (3) Donna (temp) A & B.

Strip #3 (72L(c) 126 thru 133 infrared) was adjusted on five field-identified horizontal stations and eight field-identified horizontal stations were used as checks.

Data for ruling the projections were furnished to the Coradomat to be plotted on the Maryland State Plane Coordinate System.

23. Adequacy of Control

Horizontal control complied with project instructions and held within the National Map Accuracy Standard.

24. Supplemental Data

All vertical control needed for adjustment was taken from USGS quadrangles and approximate mean sea level. The vertical control data obtained by bridging are not necessarily true values.

25. Photography

Photography was adequate as to overlap, definition, and coverage.

Approved and Forwarded:

John D. Perrow, Jr.

Chief, Aerotriangulation Section

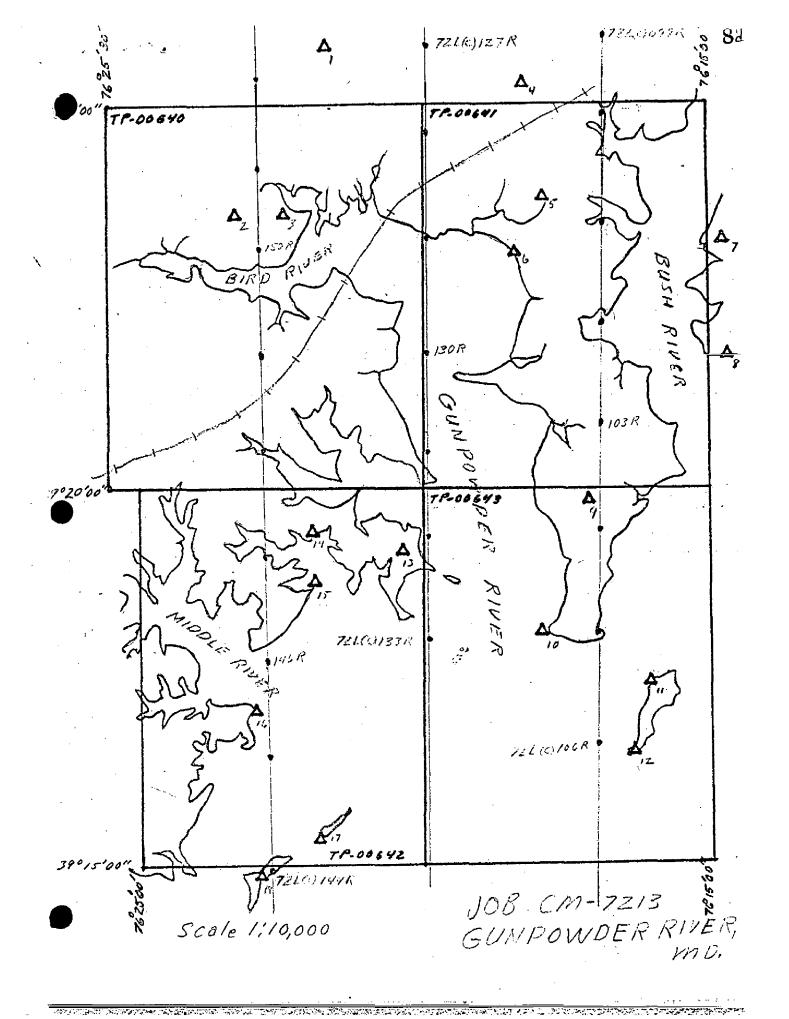
Submitted by:

James Schad

James Schad Cartographer

NOTES TO COMPILER

Model 72L(c) 105-106 must be set and compiled from field identified positions. Model was set and compiled on Map TP-00643



Job CM-7213

Gunpowder River, Maryland

- BUS 2, 1971
- RED-ROOFED HOUSE, NE GABLE CHIMNEY, 1939 2.
- WHITE SILO, 1939
- EDGEWOOD, HARTFORD MANOR WATER TANK, 1958
- EDGEWOOD ARSENAL WATER TANK, SMALL, 1939
- 6. PRIMARY TRAVERSE STATION NO. 39 (USGS), 1918

- C TOWER, 1945
- 7. 8. H TOWER, 1949
- 9.
- GUNPOWDÉR, 1949 RICKETTS (Temp), 1972 10.
- 11. POOLES ISLAND LIGHTHOUSE, 1842
- DONNA (Temp), 1972 12.
- 13. CARROLL ISLAND TOWER, 1956
- BALTIMORE GAS AND ELECTRIC COMPANY 14. CRANE STATION, STACK, 1961
- 15. CHERYL (Temp), 1972
- BOOBY (Temp), 1972 16.
- CROW, RM1 (Temp), 1972 EMIL (Temp), 1972 17.

NOAA FORM 76-41 (6-75)		DESCRIPTIVE	REPORT CONTROL	RECORD	U.S. I	U.S. DEPARTMENT OF COMMERCE AND ATMOSPHERIC ADMINISTRATION	F COMMERCE
MAP NO.	ON BOL		ODETIC DATUM		ORIGINATING ACTIVITY	TY 0000+01	Monning
TP-00642	CM-7213	[3	729I AN	27	Division. AMC.	- 23	Mapping Virginia
STATION NAME	SOURCE OF	AEROTRI- ANGULATION	eer land	GEOGRAPHIC ϕ		REMARKS	a KS
		NUMBER	ZONE	γ τ	LONGITUDE	FORWARD	BACK
HAWK - 1934			χ=	ф 39 15	5 46.014	0.6171	(431.3)
	P. 410		y=	λ 76 23	3 57.575	1380.3	(58.2)
T.O.G. 1938	•		=X	ф 39 18	3 14.632	451.2	(1399.1)
	P. 453		<i>d=</i>	λ 76 23	3 41.491	994.2	(443.4)
RED CHPOLA: 1935	G.P. Vol I		χε	ф 39 18	3 12.05	371.6	(1478.7)
	P. 453		y=	λ 76 24	4 44.41	1064.1	(373.5)
PROBING 1933			χ=	ф 39 17	- 1	219.3	(1631.0)
	P. 24		y=	λ 76 22	2 58.157	1393.8	(44.2)
MTRE, 1961			=×	ф 39 <u>19</u>	9 42.5828	1313.2	(537.1)
•	STA. 1031		y=	λ 76 24	4 49.9788	1197.1	(240.0)
CROM			χæ	φ 39 15	5 24.3354	750.5	(1099.8)
	STA. 1035		y:	λ 76 21	1 51.0669	1224.4	(214.2)
A POT THE 1961	QUAD 390762		χ=	ф 39 19	9 09,6934	298.9	(1551.4)
1 OT 1 1	STA. 1028		y=	λ 76 24	4 27.3343	654.8	(782,5)
ROORY 1972 (Temm)	GP's & PC's Printout		x= 974,710.009	Φ.		4710.009	(289.991)
~ (1/24/73		y= 529,465.21	γ		4465.21	(534.79)
(HERVI. 1972 (Temp)	GP's & PC's Printout		x= 978,950.459	ф		3950.459	(1049.541)
(Anot) ~ (1 67-1)	1/24/73		y= 537,955.962	٧		2955.962	(2044.038)
CROW, 1961 RM1 (Temp)	GP's & PC's Printout		x= 980,052,092	ф		52.092	(4647.908)
			y= 519,097.591	γ		4097.591	(902.409)
COMPUTED BY G. R. Vanderhaven		10/24/73	COMPUTATION CHECKED BY	F. R. Gustafson	fson	DATE 10/25/73	5/73
LISTED BY		DATE	LISTING CHECKED BY			DATE	
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY			DATE	
		SUPERSEDES NO	SEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	HICH IS OBSOLETE		Page 1 of	9a N

96 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION Norfolk, Virginia (1250.4)(627.3)(1091.2)(100.1)ORIGINATING ACTIVITY COASTAL Mapping 10/25/73 REMARKS Cζ oţ N 599.9 810.3 FORWARD 759.1 1337.1 Page DATE DATE AMC. Division, GEOGRAPHIC POSITION 24.614 33.819 55.820 18 19,452 A LONGITUDE \$\psi\$ LATITUDE Gustafson 19 24 21 SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE. 39 92 33 76 뭐 DESCRIPTIVE REPORT CONTROL RECORD Φ. \prec 0 ~ θ-~ ╼-Φ. ↔ • ~ ⊕ ~ ⊕ ~ ⊕. E, 1927 HAND PLOTTING CHECKED BY COMPUTATION CHECKED BY Maryland NA COORDINATES IN FEET LISTING CHECKED BY GEODETIC DATUM STATE_ ZONE ¥ Ę ž 2 ĸ 3 ¥ g # " 'n ¥ 7 ä 2 ž 7 ä 3 <u>"</u> Ę, AEROTRI-ANGULATION POINT NUMBER 10/24/73 DATE DATE CM-7213 QUAD 390762 STA. 1032 SOURCE OF INFORMATION (Index) G.P. Vol. P. 686 Vanderhaven BALTIMORE GAS AND ELECTRIC CO., CRANE STATION STACK, 1961 WILSON POINT JUNCTION LIGHT, 1957 ď STATION NAME TP-00642 ئ HAND PLOTTING BY NOAA FORM 76-41 (6-75) COMPUTED BY LISTED BY MAP NO.

COMPILATION REPORT

TP-00642

31. <u>DELINEATION</u>:

Delineation was by the Wild B-8 stereoplotter. The shoreline was obscured in places by overhanging trees and shadows. Photo coverage does not extend to western limit of the manuscript. Definition was good. 1:30,000 scale color infrared photography was used.

32. CONTROL:

See the attached Photogrammetric Plot Report dated October 2, 1973.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was delineated by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

Alongshore details and the mean high water line were delineated by office interpretation of the photographs.

36. OFFSHORE DETAILS:

Hart Island, Miller Island and Seneca Light were delineated with no unusual problems.

37. LANDMARKS AND AIDS:

Copies of Form 76-40 were forwarded to the field editor for additions, deletions and confirmations.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. <u>JUNCTIONS</u>:

See Form 76-36B, Item #5 of the Descriptive Report concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangles MIDDLE RIVER, MD., dated 1969 and GUNPOWDER NECK, MD., dated 1949, photorevised 1970. Each is 1:24,000 scale.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with Chart 1226, scale 1:80,000 23rd edition, dated August 9, 1973.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

q.L. Shouls

F. R. Gustafson Cartographic Aid February 1, 1974

Approved for forwarding:

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section, AMC

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7213 (Gunpowder River, Md.)

TP-00642

Back River Neck	Glenn L. Martin State Airport	r Saltpeter Creek
Balliston Point	Hart Island	∠ Seneca Creek
Booby Point	≁ Hawk Cove	- Seneca Park
Bowley Bar	✓ Hawthorn Cove	✓ Stansbury Creek
Bowleys Quarters	*Hogpen Creek	Stansbury Estates ■
^r Breezy Point Beach	Holly Beach (locality)	「Strawberry Point
'Brier Point	"Island View Beach (locality)	✓ Stubby Island
✓ Browns Creek	Log Point	Sue Creek
✓ Carroll Island	Lower Island Point	Sue Island
<pre> Cedar Beach (locality) </pre>	Miami Beach (locality)	Turkey Point
´Chesapeake Bay	´Middle River	√Weir Point
✓Frog Mortar Creek	´Miller Island	. Wells Point
√Galloway Creek	Porters Park	~ Wilson Point
√Galloway Point	✓ Rockaway Beach (locality)	

Approved by:

Charles E. Harrington, C51x Staff Geographer

NOAA FORM 75_74 (7_75)			•	U.S. DEPARTMENT OF COMMERC
(7-73)	PHO	TOGRAMMET	RIC OFFICE REVIEW	NATIONAL OCEAN SURVE
		TF	P - 00642	
1. PROJECTION AND GRIDS	2. TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
CHB	CH	IB	CHB	CHB
CONTROL STATIONS	<u> </u>		<u> </u>	
CONTROL STATIONS 5. HORIZONTAL CONTROL ST THIRD-ORDER OR HIGHER	ATIONS OF	6. RECOVERA	BLE HORIZONTAL STATIONS	7. PHOTO HYDRO STATIONS
	ACCURACY	OF LESS TH	BLE HORIZONTAL STATIONS IAN THIRD-ORDER ACCURACY c stations)	
CHB		<u>. </u>	CHB	None
8, BENCH MARKS	9. PLOTTING	OF SEXTANT	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
NA	No	ne	СНВ	СНВ
ALONGSHORE AREAS (Nautice	1 Chart Date)			
12. SHORELINE	13. LOW-WATER	RLINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
СНВ	Nc	ne	СНВ	СНВ
16. AIDS TO NAVIGATION	17. LANDMARK	(S	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
RW	· RW	Ī.	СНВ	CHB _
PHYSICAL FEATURES		<u> </u>		
20. WATER FEATURES	<u> </u>	21. NATURAL	GROUND COVER	22. PLANETABLE CONTOUR
CHB			СНВ	NA
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS	IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
NA	NA	1	NA .	СНВ
CULTURAL FEATURES				
27. ROADS	28. BUILDINGS	i	29. RAILROADS	30. OTHER CULTURAL FEATURES
СНВ	CH	IB	СНВ	CHB
BOUNDARIES				
31. BOUNDARY LINES	IA		32. PUBLIC LAND LINES	NA
	<u> </u>		<u> </u>	IVA
MISCELLANEOUS 33. GEOGRAPHIC NAMES		34. JUNCTION	s	35. LEGIBILITY OF THE
CUID			CIID	MANUSCRIPT
CHB	737 556555		CHB	CHB.
36. DISCREPANCY OVERLAY	37. DESCRIPTI	VE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
СНВ	CH	IB	None	C H B
40. REVIEWER Charles HBis	han		SUPERVISOR, REVIEW SECT	1 // 1
Charles H. Bishop	•	2/74	Albert C. Rauck.	rucze.G.
41. REMARKS (See attached she		2/14	AIDELO O. MARCE,	01. /
FIELD COMPLETION ADDITION		TIONS TO THE M	IANUSCRIPT	
	s furnished by th	e field complet.		to the manuscript. The manu-
C. Parker		10/7/	ISUPERVISOR 1	7, 61
	for 1	الماريد	albet Ch	auch G
Reviewed R. White	R-Whi	Tu 1/75	Albert C. Rauck,	Jr.
43. REMARKS			4	•
				٠.

TP-00642

Carroll Island, Maryland CM-7213

51. METHODS

All work was done in accordance with Provisional Photogrammetry Instructions-Field Edit Surveys, current photo-instructions, and Project Instructions OPR-510-AHP-74, Gunpowder River, Md. dated December 14, 1973.

An inspection of all shoreline and alongshore features was made, and all deletions, additions, and corrections are either shown or referenced on the field edit paper ozalid. All field edit notes are in purple ink for additions and corrections and in green ink for deletions.

Most of the field edit inspection was accomplished by boat. Features were located either by sextant fixes or photo identification. Landmarks and aids to navigation were located either by photo identification or control survey methods.

52. ADEQUACY OF COMPILATION

Compilation of shoreline and alongshore features was generally adequate, except as noted below. Compilation will be complete when field edit notes are applied.

A great deal of shoreline was compiled as non-stable when it was actually bulkhead or rip-rap, or vice versa. All such areas have been shown or referenced on the field edit paper ozalid. These areas were probably compiled incorrectly due to extensive shadow areas along the shoreline. Unless otherwise noted, the mean high water line is adjacent to the bulkhead or rip-rap, which coincides with the originally compiled mean high water line.

Numerous piles and piling were located during the field edit and are shown on the photographs. Piles are shown as pricked holes in the photo. New piers or piers missed during compilation have been shown on the photos as (a) a purple inked solid line, (b) two pricked holes (one at shore end and one at water end), or (c) a single pricked hole at the water end (in which case the pier is to be compiled perpendicular to the shoreline).

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

No discrepencies were found while editing this sheet.

Navigational lights to be charted are Wilson Point Junction Light, Bowley Bar Obstruction Light, Senneca Creek Entrance Light 2, and Sue Island Entrance Light. Five daybeacons are recommended for a charting. Frog Mortar Creek Daybeacon 2 is maintained by the U.S. Coast Guard. The other four daybeacons are privately maintained.

CARROLL ISLAND TOWER, 1956 has been moved. The current position of the tower is shown on the revised form 76-40 and was determined by this field party.

The position of BALTIMORE GAS AND ELECTRIC CO., CRANE STA., STACK, 1961 is also incorrect. A new position of the center of the stack was determined by this field party and is shown on the revised form 76-40.

A miniature privately constructed lighthouse is recommended as a landmark for small craft chart 549.

Forms 76-40 have been completed for all of the above.

58. FIELD EDITORS

Field edit was performed by Lt. (jg) Richard D. Black and Mr. Michael F. Sutphin of Photo Party 61 from June through August, 1974.

Respectfully Submitted,

Richard D. Black

Richard D. Black Lt. (jg) NOAA Chief, Photo Party 61 25 August, 1974 orig. to charts

NOAA FORM 76-40	-40			ITAN	IONAL OCE	ANIC AND	S. DEPARTA	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	APTY .
Replaces C&GS Form 567	Form 567.	NONFLOATING AIDS	AIDS (TELL	TO SERVICE SER	FOR CHARTS	RTS			GEODETIC PARTY	ARIT
X TO BE CHARTED	0	REPORTING UNIT (Field Party, Ship or Office)	STATE		LOCALITY			DATE	KIC	LIVITY
TO BE REVISED TO BE DELETED	0	Coastal Mapping Div. Norfolk.Va.	Maryland		Gunpowder		River	0ct.1974		L & REVIEW GRP.
The following objects	ects	NOT		ward to dete	ermine thei	r value as	landmarks.		(See reverse for responsible personnel)	sible personnel)
OPR PROJECT NO)	SUE	NUMBER	DATUM	N.A.1927	927				
510	Cm-7213	13 TP-(-00642		POSITION	NO		(See instructions	(See instructions on reverse side)	CHARTS
		DESCRIPTION		LATITUDE	1	LONGITUDE	TUDE	92		AFFECTED
CHARTING	(Record reason for de Show triangulationst	(Record reason for deletion of landmark or aid to navigation. Show triangulation stationnames, where applicable, in parentheses)	o navigation. ble, in parentheses)	, ,	// D.M. Meters	, ,	// D.P. Meters	OFFICE	FIELD	
TTCH"	Bourley Bon	Ohetmetton Itch	. \	30 78	50.00	76 22	16.76		P-5	1226
11017	nat nat	ומים וומים מים מים	(1-27/75)	01-10	01	(3-0)	107		72-7-8	549SC
DBN	Privt, Maintnd, red	tnd, red triangle	d uo	39-17	47.68	76-24	ON. 34		8-12-74	549sc_
	*				140X		#		72L-146	
DBN	Privt. Mai	Maintnd.red triangl	le on pile	39-17	148.59	76-24	54		F-4-8-L 8-12-74	549sc
DBN	Privt. Mai	Privt. Maintnd. black square on pier	are on pier	39-17-	148.32	76-24	00.64		P-5 / 8-12-74	549SC
NEC	Privt. Maintnd.	tnd. black square	e on pile	39-17	18.81	76-23	58.56		F-4-8-L 8-12-74	25675
LIGHT	(Wilson Poin	(Wilson Point Junction Light,	(37/12-1)	39-18	19.452	.76-24	33.819	721(c)146(I) 10-01-72	V-Vis. 8-8-74	1226 54,980
LIGHT	Seneca Creek	k Entrance Light	2(1-27/75)	39-18	10.70	76-21	27.04	72L(C)146(I) 10-01-72	V-Vis. 8-6-74	1226 572 549SC
LIGHT	Sue Island I	Island Entrance Light l		39-17	24.22	76-23	54.45	72L(C)146(I) 10-01-72	V-Vis. 8-12-7μ	1226 549SC
DBN	Frog Mortar (Creek Daybeacon	2	39-19	10.90	76-24	06.26	72L(C)147(I) 10-01-72	V-Vis. 8-8-74	1226 54980
	* Position pre incorrectly.	previously reported formulas, F.R. 5/19/77								14
									ACK-KW	a

orig. to charts

CTIVITY	IVITY - & REVIEW GRP.	ible personnel)		CHARTS	AFFECTED		1226 /	24750								14	Ь
ORIGINATING ACTIVITY HYDROGRAPHIC PARTY GEODETIC PARTY	M PHOTO FIELD PARTY COMPLEATION ACTIVITY FINAL REVIEWER COAST PILOT BRANCH	(See reverse for responsible personnel)	TE OF LOCATION	on reverse side)		FIELD	Tower has	Deell Moved									25. A.W.
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION KS FOR CHARTS	рате Осt.1974		×	(See instructions on reverse side)		OFFICE	72L(C)132(I)	71-10-01									
S. DEPART ATMOSPHE	ver	landmarks			LONGITUDE	// D.P.Meters		475									
ARTS	ocality Gunpowder River	ir value as	7		LONG	, ,	76-20										
FOR CH	Gunpol	termine the	N.A.1927	POSITION	LUDE	// D.M. Meters		372									
DMARKS	pi	sward to de	DATUM		LATITUDE		39-19										
NATIONAL OCEANIC	STATE Maryland	been inspected from seaward to determine their value as landmarks	UMBER 0642			avigation. , in parentheses)	._										
	Div.	been insp	SURVEY NUMBER TP-00642		NO	rk or aid to n	08 (212)										
	REPORTING UNIT (Field Party, Ship or Office) Coastal Mapping Div Norfolk, Va.	I			DESCRIPTION	Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	Microwave Tower ht.=208										
76-40 GS Form \$67	ARTED IVISED	ng objects	CT NO.				Mic										
(8-74)	TO BE CHARTED TO BE REVISED TO BE DELETED	The following objects	OPR PROJECT NO.			CHARTING	TOWER										

0479. to charts

NOAA FORM 76-40	-40		COLANCITAN	U.S. DEPARTMENT OF COMMERCE	MENT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY .
Renlaces C&GS Form 567	Form 567.	AIDS OR LAND	MARKS FOR CH	ARTS		GEODETIC PARTY	ARIY
neplaces coop					27.0	PHOTO FIELD PARTY	, L
TO BE CHARTED TO BE REVISED	REPORTING UNIT (Field Party, Ship or Office) SED (Coactal Mapping Div.	STATE Maryland	3	Gunpowder River	Oct.1974	X COMPILATION ACTIVITY FINAL REVIEWER QUALITY CONTROL& REVIEW GRP.	IVITY L& REVIEW GRP. NCH
The following	HAVE THAVE NOT	inspected from seav	vard to determine th	been inspected from seaward to determine their value as landmarks		(See reverse for responsible personnel)	ible personnel)
OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM MUTAG	207			
510	CM-7213 TP	TP-00642	N.A.1921	17	METHOD AND DATE OF LOCATION	E OF LOCATION	
			POSI	POSITION		Consideration and the constant of the constant	CHARIS
	DESCRIPTION		LATITUDE	LONGITUDE		1	AFFECTED
CHARTING	(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	to navigation. able, in parentheses)	D.M.Meters	o / D.P. Meters	OFFICE	FIELD	
			13.11			F-3-6-L	1226
TOWER	Microwave Tower ht.=208 (212)	212)	39-19 404	76-20 493		8-7-74	27680
		(20)	15.43	72.72	72L(C)1h7(I)	P-5	00017
TOWER	Miniature Lighthouse ht. = 25 (27) (27) (1-27)	(2/12/1)	39-19 476	(0-43	10-01-72	72L147	24730
	East of two (Baltimore Gas	and	39_10 24.614	76-27 55.820	72L(C)147(I)	F-3-6-L	1226
STACK	Electric Co., Crane Station,	1,Stack,1961)	759.1	1337.7	71-10-01	7/-/-0	24700
	ht.=348 (355) (TH	(986)-M1					
							1
							4
						726	e 0.4.

OUALITY CONTROL & REVIEW GRP.
COAST PILOT BRANCH 14d (See reverse for responsible personnel) AFFECTED 12278 ORIGINATING ACTIVIT COMPLATION ACTIVITY

FINAL REVIEWER HYDROGRAPHIC PARTY PHOTO FIELD PARTY 72L(CI)146 METHOD AND DATE OF LOCATION (See instructions on reverse side) 8/12/14 FIELD U.S. DEPARTMENT OF COMMERCE NOTIONAL OCEANIC AND ATMOSPHENIC ADMINISTRATION UNIT 2/06/17 72L(CI)146 10/01/72 OFFICE Gunpowder River 03.96 | been inspected from seaward to determine their value as landmarks | SURVEY NUMBER | DATUM D.P. Meters 95 LONGITUDE 77 1927 ۰ 92 POSITION 47.60 D.M. Meters 1468 LATITUDE \ 0 33 Maryland DESCRIPTION (Record reason for defetion of landmark or aid to navigation. Show triangulation station names, where applicable, in perentheses) *Position of this aid reported incor-TP-00642 rectly on form forwarded 1/14/75. Black Square on Pile (Private)* ALS - Final Reviewer REPORTING UNIT (Field Perty, Ship or Office) Coastal Mapping Div. The following objects HAVE | HAVE NOT OPR PROJECT NO. | JOB NUMBER CM-7213 Replaces C&GS Form 567. TO BE CHARTED TO BE DELETED TTO BE REVISED NOAA FORM 76-40 510 CHARTING NAME DAYBN



				-
	RESPONSIBLE PERSONNEL	ONNEL		
TYPE OF ACTION	NAX M		ORIGINATOR	_
		•	PHOTO FIELD PARTY	
•		_	HYDROGRAPHIC PARTY	_
OBJECTS INSPECTED FROM SEAWARD			GEODETIC PARTY	-
			OTHER (Specify)	
			FIELD ACTIVITY REPRESENTATIVE	_
TOSTITONS OF FERMINED AND/OR VERTICIED			OFFICE ACTIVITY REPRESENTATIVE	
				۰
FORMS ORIGINATED BY QUALITY CONTROL	-		X REVIEWER	
AND REVIEW GROUP AND FINAL REVIEW			CONTROL AND REVIEW GROUP	_
ACTIVITIES	A. L. Shands		REPRESENTATIVE	_
	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	OD AND DATE OF LOCATION'	, , ,	_
į	(Consult Photogrammetric Instructions No. 64,	Pryetions No. 64,		-
OFFICE		FIELD (Cont'd)		
1. OFFICE IDENTIFIED AND LOCATED OBJECTS	ATED OBJECTS	B. Photogrammetric field positions** require	ld positions** require	

. IELD

I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field P - Photogrammetric

Vis - Visually

Located

Verified Triangulation

6 - Theodolite

- Field identified

Traverse

Intersection 7 - Planetable

8 - Sextant

Resection

A. Field positions* require entry of method of location and date of field work.

EXAMPLE: F-2-6-L

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

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

day, and year) of the photograph used to

identify and locate the object.

75E (C) 6042

Enter the number and date (including month,

8-12-75 ¥ 74L(C)2982

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

!!!. 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.

NOAA FORM 78-40 (8-74)

SUPERSEDES NOAA FORM 70-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.





REVIEW REPORT

TP-00642

SHORELINE

May 4, 1977

61. GENERAL STATEMENT:

See Summary, which is Page 6 of this Descriptive Report.

The field editor states that the aquatic vegetation in Saltpeter Creek is not a hazard to navigation. The limits of this vegetation are not shown on this map.

Only one of the two stacks at Lat. 39° 19.3', Long. 76° 21.9' was recommended by the field editor as a landmark. Each of them appears identical to the other. There is no evidence on the photographs to suggest that one is more prominent than the other. The westerly stack is shown as a map feature. It should be noted on the chart that two stacks exist here. The easterly of the two is reported on the 76-40.

62. <u>COMPARISON WITH REGISTERED TOPOGRAPHIC_SURVEYS:</u>

Comparison was made with T-11943, T-11944, T-11948, and T-11949, each 1:10,000 scale and compiled in August 1962. Small differences in shoreline configuration, as well as the construction and demolition of many piers, was noted. The most significant of these is at the Baltimore power plant at the junction of Saltpeter and Seneca Creeks. The land mass across the junction has been removed and several piers have been constructed on the Seneca Creek side.

TP-00642 supersedes the above mentioned surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS Quadrangles MIDDLE RIVER, MARYLAND dated 1969; and GUNPOWDER NECK, MARYLAND dated 1949, photorevised 1970. Each is 1:24,000 scale. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with H-9453 (AHP 10-3-73) from Lower Island Point at Lat. 39° 18.3′, Long. 76° 20.2′ around to and including the southern shore of Saltpeter Creek. No other areas of this map are covered by contemporary hydrographic surveys. A wreck charted at Lower Island Point and several snags mapped in that vicinity are not discernible on the photographs. The area, however, does appear foul.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Charts 12278, 1:40,000 scale, 4th edition, dated January 1, 1977; and 12273, 1:80,000 scale, 29th edition, dated September 4, 1976. A wreck charted at the mouth of Middle River and a wreck, snags and stakes charted in the vicinity of Lower Island Point and Weir Point were not mapped during pre-edit compilation. The field editor did not identify the area as foul. These features are not shown on TP-00642 because their images on the photographs are faint and indistinct. These features have been adequately dealt with by the hydrographer.

ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

a. L. Shands

A. L. Shands Final Reviewer

Approved for forwarding:

Deplu Vonasak

/Joseph W. Vonasek

Chief, Photogrammetric Branch, AMC

Chief, Photogrammetric Branch Chief, Coastal Mapping Division

ROAA FORM 61-29 U. S. DEPARTMEN (12-71) HATIONAL OCEANIC AND ATMOSPHERIC (IT OF COMMERCE ADMINISTRATION	REFERENCE NO.
	•	9 ¹ 4 - PH - 77
LETTER TRANSMITTING DATA		DATA AS LISTED BELOW WERE FORWARDED TO YOURY (Check):
		ORDINARY MAIL AIR MAIL
O; .	٦	MEGISTERED MAIL EXPRESS
DOAA NATIONAL OCEAN SURVEY		GBL (Give number)
ATTN: 03/04		
6001 EXECUTIVE BOULEVARD ROCKVILLE, HD 20852		DATE FORWARDED
L	ب	May 25, 1977
		two (2)
etc. State the number of packages and include an execution the original and one copy of the letter should be teceipt. This form should not be used for corresponden	e sent under ser	parate cover. The copy will be returned as a
	CM-7213	
GUNPOW	DER PIVER,	MD
Field sketches, computations and gener identified and established for bridgin 1 Form 25, Computation of Triangles 2 Form 738's, Traverse Computations 1 Form 76-72, List of Directions 1 Form 382, Reduction to Center 1 copy (2 pages) of Computer Printout		
7 copies Form 164, Descriptive Report 18 Form 152's, Control Station Identifi 13 Form 76-40's, Nonfloating Aids or La	cation ndmarks	
each Matte Ratio Print for 72L(CI)10 148, and 150, with Field Edit Notes 1 each Matte Ratio Print for 72L(CI)09 and 178, with identified Horizontal 1 each Contact Print and Film Diaposit 133, and 144 through 153	1 through 109; 101, 103 Control ive for 72L	3 t. 105 through 131, 144 through , 106, 144, 145, 147, 151, 153
- Processed Gronapaque Ratios 72L(CI)1	50 and 151	RECEIVED THE ABOVE
ROM (Signature) a. K. Show		(Name, Division, Date)
A. L. Shands for Director, AMC		
r	٦	
ATLANTIC MARINE CERTER ATTN: Hr. Shands, C52x1 439 WEST YORK STREET		
NORFOLK, VA 23510 L	.1	

NOAA FORM G1-24

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

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

1. Letter all information.

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

CHART	DATE	CARTOGRAPHER	REMARKS
572	8-5-76	J. PREZONE	Full Rart Before After Verification Review Inspection Signed Via
2274)			Drawing No. 37
224	8-22-78	MARIA	Full Part Before After Verification Review Inspection Signed Via
0773		IVI IAV	Drawing No. 58 (Alexandelly Addiso)
(44.		<u></u>	- Partami Hobiso
E40	(nr m	MARAYES	Full Part Before After Verification Review Inspection Signed Via
2070	6-25-19	116TTINTO	Drawing No. (3 (A) Pay Way (A) Pop Oge (
(470)			Thanks No. 65 (ATVACIDALIZED FILES)
			
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
 -			
	· ····		Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
 	·		Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
	i.		Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			
-			
1			