

FILE MARSHALL POINT

RCP 443

GULF OF MAINE LORAN-A EXPANSION

This change provides for the addition of one (1) Loran-A Transmitting Station in the vicinity of Rockland, Maine, to improve the accuracy and coverage for the Gulf of Maine and adjoining areas. Complaints concerning inadequate Loran-A coverage have been increasing in recent years. By not responding to this need for improved coverage, the navigator will continue to be denied the electronic navigation service which he experiences in adjoining U.S. coastal areas of operation. With the rapidly expanding small boating and maritime interest we can expect to experience increased SAR activity. This additional coverage will aid in improving our SAR response in the area.

RESOURCE CHANGE PROPOSAL
PART I - DESCRIPTION

1. PROGRAM ELEMENT CODE

2. CPA NO. 443

3. ACP TITLE

Gulf of Maine Loran-A Expansion

D2

4. PROGRAM ELEMENT COORDINATOR/SPONSOR

Aids to Navigation Division

5. CONTACT NAME & PHONE NO.

Mr. D.T. Haislip 2391

6. DESCRIBE CHANGE; EFFECT OF DEFERRING; INCREASE IN OUTPUT; RELATION TO OTHER PROGRAMS; ALTERNATIVES; STANDARDS USED.

This change provides for the addition of one (1) Loran-A transmitting station in the vicinity of Rockland, Maine, to improve the accuracy and coverage for the Gulf of Maine and adjoining areas. This new station would join with stations now operating at Nantucket, Mass., and Baccaro, Nova Scotia, forming a network which would provide "solid" fix coverage, rather than the existing inadequate baseline extension coverage. In recent years the crescendo of complaints concerning this inadequate service has been increasing. By not responding to this need, the navigator will continue to be denied the navigation service which he experiences in adjacent U.S. coastal areas of operation. The U.S. Coast Guard will surely be faced with increased SAR incidents in this era of an increasing boating population. Certainly our SAR response will be enhanced by the additional accurate navigation coverage which will be provided by this change. There is no alternate, other than geometric re-configurations, which are not necessarily as economical and straight forward as this change provides. This change will also necessitate the addition of two Loran-A timers at Nantucket Loran-A station.

7. EXPLANATION OF PRESENT LEVEL OF ACCOMPLISHMENT

CURRENT ANNUAL COST OF PRESENT PROGRAM COST

EXPLANATION

OE

AC&I

WHAT FACILITIES ARE UTILIZED AND HOW MANY MEN ARE EMPLOYED IN CARRYING OUT PRESENT LEVEL?

U.S. Funded stations:

35 Loran-A

8 Loran-A/C

Total men: 750

3 Loran-A/C Transmitting, Monitor

8. HISTORICAL FINANCIAL DATA (AC&I AND/OR OE APPROPRIATIONS AND/OR REQUESTS FOR PY, CY, CY+1)

Fy 69: \$267,000 AC&I

Fy 70: \$108,000 AC&I

9. PROGRAM MANAGER/SPONSOR APPROVAL SIGNATURE (ORIGINAL ONLY)

H. D. MUTH, CAPT, Chief, Aids to Navigation

10. PROGRAM DIRECTOR/OFFICE CHIEF APPROVAL SIGNATURE (ORIGINAL ONLY)

11. DATE APPROVED

TREASURY DEPARTMENT
U.S. COAST GUARD
CGHQ-4302A (Rev. 10-66)

RESOURCE CHANGE PROPOSAL
PART I - DESCRIPTION (CONT'D)

1. PROGRAM ELEMENT CODE

2. CPA NO. 443

3. RCP TITLE

Gulf of Maine Loran-A Expansion

D2

4. PROGRAM ELEMENT COORDINATOR/SPONSOR

Aids to Navigation Division

5. CONTACT NAME & PHONE NO.

Mr. D.T. Haislip 2391

6. Answer the following questions concerning the change:

- a. What is the authority for it?
- b. What has been our annual experience relative to change in workload and if increase to what extent absorbed; if decrease what redeployment of resources?
- c. If program expansion, why can't this be accomplished through better utilization of resources?
- d. What additional workload can be handled with requested resources; does the request fulfill all the needs; if not what is the shortage and what are long range plans to correct the shortage?
- e. What will be effect IF FUNDS ARE NOT PROVIDED?

- (a) 14 USC 81
- (b) By continuing to deny the navigator, and our SAR facilities the higher degree of coverage and accuracy that can be realized by this additional station, we can expect increased incidents, and public clamor, all of which has to be absorbed by existing forces.
- (c) There is no other way to provide this additional coverage and increased navigation accuracy.
- (d) This request will fulfill the navigation needs now being denied the user.
- (e) If funds are not provided to accomplish this expansion we can expect a continued public demand for the service, and increased SAR complexity due to the increasing boating public.

NEW LORAN-A STATION GULF OF MAINE

RCP443

AC&I - FY 71

Total Procurement and Installation

\$950K

OE - FY 71

5 Enlisted (\$5,900 + \$759) ½ year	=	\$16,650	
+ 1GD (\$6,659) ½ year	=	<u>3,330</u>	
		\$19,980	= \$ 20K
6 (\$310 first year) N.R.*	=	1,860	= <u>2K</u>
		TOTAL	\$ <u>22K</u>

OE - FY 72

4 Enlisted (\$6,659) full year	=	\$26,636	
+ 1 GD (\$6,659)	=	<u>6,659</u>	
		33,295	= \$ 33K
5 (\$310 first year) N.R.*		1,550	= <u>2K</u>
+ annualize ½ year			35K
			20K
+ support & maintenance			<u>25K</u>
		TOTAL	\$ <u>80K</u>

* Non-Recurring

PROJECT TITLE Gulf of Maine Loran-A Expansion D2

4. PROGRAM ELEMENT COORDINATOR/SPONSOR
Aids to Navigation Division

5. CONTACT NAME & PHONE NO.
Mr. D.T. Haislip 2391

A. ACQUISITION, CONSTRUCTION AND IMPROVEMENT (IN \$000)

6. (CY=CURRENT FISCAL YEAR)	CY+2	CY+3	CY+4	CY+5	CY+6	TOTAL (5 YEARS)
	FY 71	FY 72	FY 73	FY 74	FY 75	
7. CONSTRUCTION	480					
8. PROCUREMENT	*420					
9. INSTALLATION	*50					
10. TOTAL AC&I	950					950

B. OPERATING EXPENSES (IN \$000)

NON-RECURRING OPERATING EXPENSES							TOTAL
	11. PROCUREMENT						
12. INSTALLATION							
13. OPERATION	2	2					4
14. SUB-TOTAL	2	2					4
RECURRING OPERATING EXPENSES	15. CY+2	20	20	20	20	20	100
	16. CY+3		78	78	78	78	312
	17. CY+4						
	18. CY+5						
	19. CY+6						
	20. SUB-TOTAL	20	98	98	98	98	98
21. TOTAL OE CHANGE (14+20)	22	100	98	98	98	98	416

C. PERSONNEL

(OP=OPERATIONAL) (GD=GENERAL DETAIL)	CY+2			CY+3			CY+4			CY+5			CY+6			TOTALS		
	OP	GD	TOT	OP	GD	TOT	OP	GD	TOT	OP	GD	TOT	OP	GD	TOT	OP	GD	TOT
22. OFFICER																		
23. WARRANT																		
24. ENLISTED	5	1	6	4	1	5										9	2	11
25. CIVILIAN																		

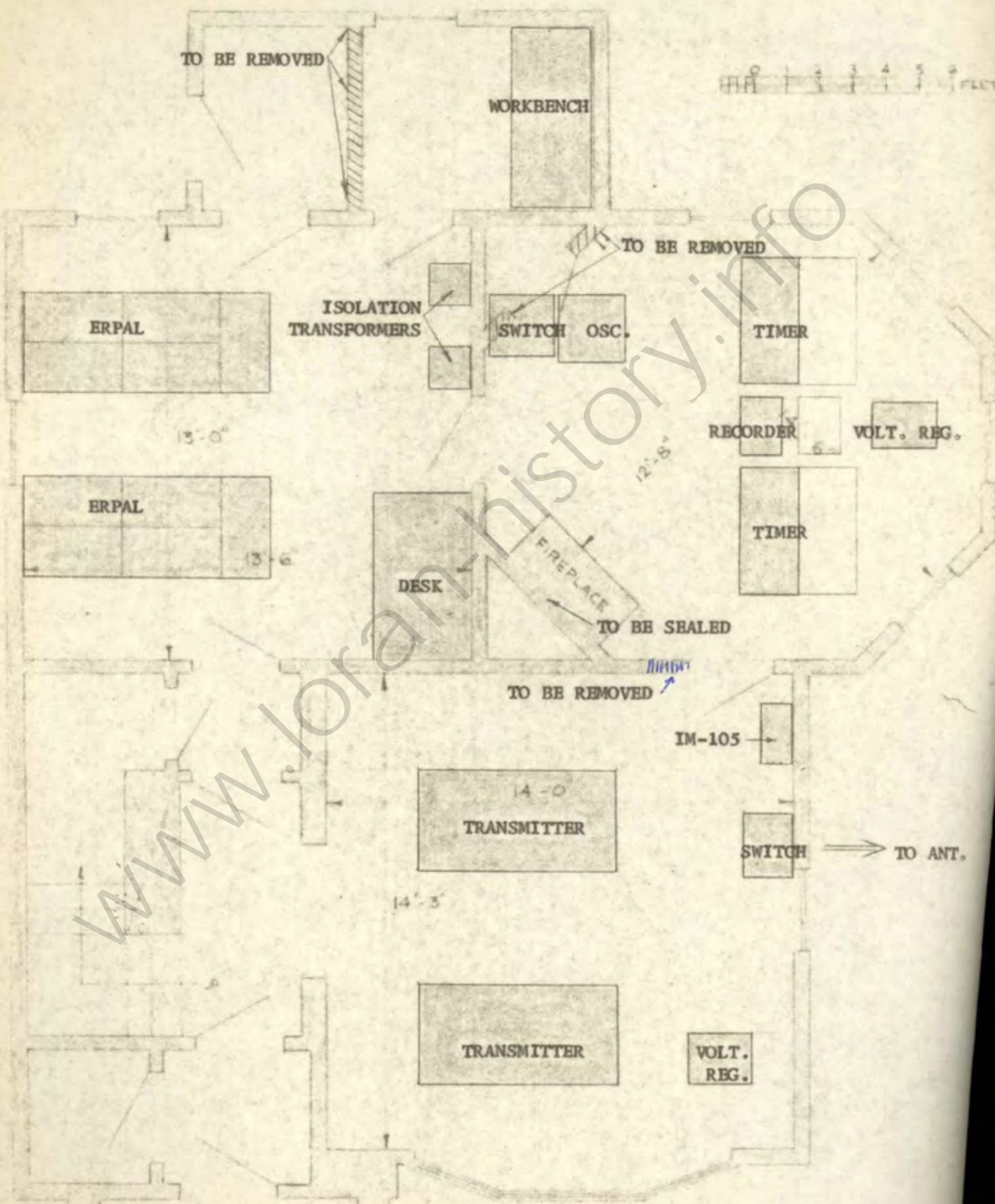
26. REMARKS:
*Includes electronic equipment for Nantucket (\$60K)

BY *AK* DATE 4/2/71
CHKD. BY DATE

SUBJECT CG LTSTA MARSHALL POINT

SHEET NO. 1 OF 2
JOB NO.

FIRST FLOOR PLAN - EQUIPMENT LAYOUT



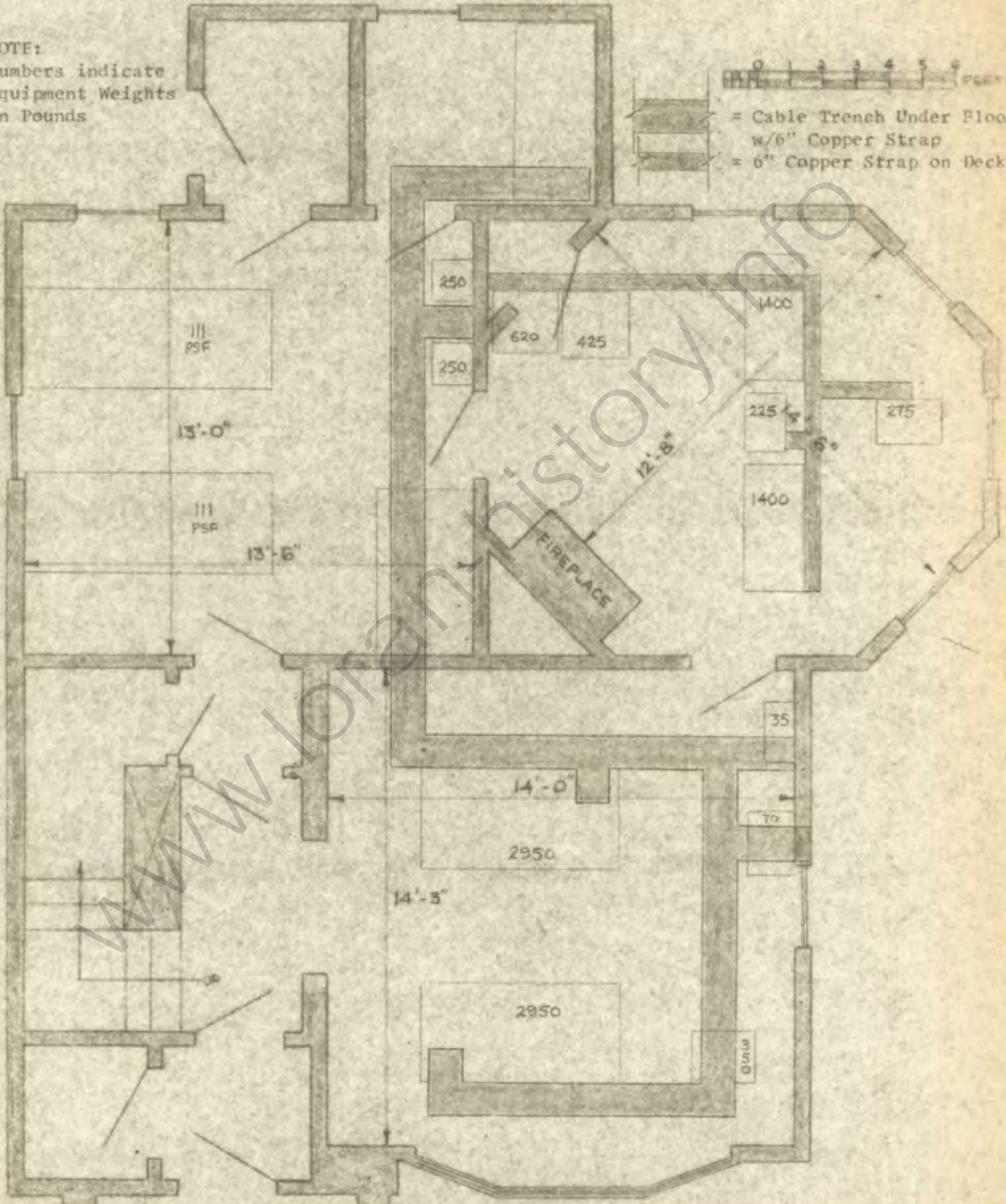
560 ± 5F USABLE

FIRST FLOOR PLAN - CABLE TRENCH & GROUNDING

NOTE:
Numbers indicate
Equipment Weights
in Pounds



= Cable Trench Under Floor
w/6" Copper Strap
 = 6" Copper Strap on Deck



PORCH

560 ± SF USABLE

PERSONNEL ALLOWANCE AMENDMENT

RCVD APR 28 1971

FILE SYMBOL 5320/410
CGHQ NO. 285/71

TO **Officer-in-Charge, Coast Guard Light Station, Marshall Point**

REFERENCE *AS memo of 24 Sept 1970*

AMENDMENT TO PERSONNEL ALLOWANCE SHEET DATED 3/1/69 - MARSHALL POINT LSTA

DISTRIBUTION	REMARKS
1-ETC 1-ET1 1-ET2 1-BM2 3-SH	1-ETC 1-ET1 1-ET2 1-BM2 3-SH 3-ET3/8NET

DATE 27 April 1971 SIGNATURE **J. S. GRACEY**
 FOR HEADQUARTERS USE ONLY *By direction*

Billets added to provide for expanded facility at Marshall Point -- Gulf of Mexico Loran FY-72 RCP 443A. Resources for billets provided thru reassignment billets Program Area. 3-SH billets are for Electronics Watchstanders.

DIST.	OPFAC	RU	MOD	DIST.	OPFAC	RU	MOD	JOB NUMBER	FROM: CPA
1-2	3.7	8.9	10.12	13	14.15	16.20	21.22	23.25	PAL020M05
01	41170			U					

NUMBER	OBGM	NUMBER	OBGM	ALLOW	APPRO	NOTE	MISSION	TRANS.								
13	14.17	18.21	22	23.26	27	28.31	32	33.34	35	36	37	38	39	40.43	44	45.47
B	1060															DEL
B																ADD
B																ADD
B																ADD
B																ADD
B																ADD
B																ADD

0486 memo 5320 of 12/31/70
 FY-72 RCP 443A (PAYBACKS)
 PLAIN LANGUAGE FOOTNOTE FOR ALLOWANCE LISTING
 15.77
 TRANS. 78.80

1/14/71 *Post*

DEPARTMENT OF TRANSPORTATION U. S. COAST GUARD CG-3319 (Rev. 3-67)	CHANGE IN FINANCIAL PLAN	1. DATE 12 Jan 71
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3. ORIGINATOR Budget Division	3. REFERENCE (a) O (OAN-3) MEMO to CCS dtd 7 Jan 71
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4. APPROPRIATION 69X0201	5. FISCAL YEAR 1971	6. AMENDMENT NO. OE-99-136-71
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7. SUBHEAD SYMBOL AND TITLE	8. QUARTER	9. CODE *	10. INCREASE	11. DECREASE
99-40.00.99 Administrative Programs	3	N		\$114,000
99-43.00.00 Shore Unit Programs	3	N	\$114,000	

* Enter code letter R to indicate a recurring (base) change between Subheads or N for a nonrecurring (one-time) transfer.

12. JUSTIFICATION FOR ADJUSTMENT OF FUNDS (Attach additional sheet if necessary):

For construction costs of Gulf of Maine Loran-A Station.

DISTRIBUTION:
 FA/71
 ECV/61
 E/64
 CBU-1/84

15. ANNUALIZATION OF BASE CHANGE (Do not fill in for one-time transfer)

SUBHEAD SYMBOL	INCREASE	DECREASE	SUBHEAD SYMBOL	INCREASE	DECREASE

14. INITIALS	APPROVAL RECOMMENDED	DATE
INITIALS	APPROVAL RECOMMENDED	DATE
INITIALS	APPROVAL RECOMMENDED	DATE
INITIALS	APPROVAL RECOMMENDED	DATE
INITIALS	CHANGE APPROVED W. H. FITZGERALD, Jr. Chief, Budget Division	DATE 12 Jan 71
16. INITIALS	VALIDATED	DATE

3

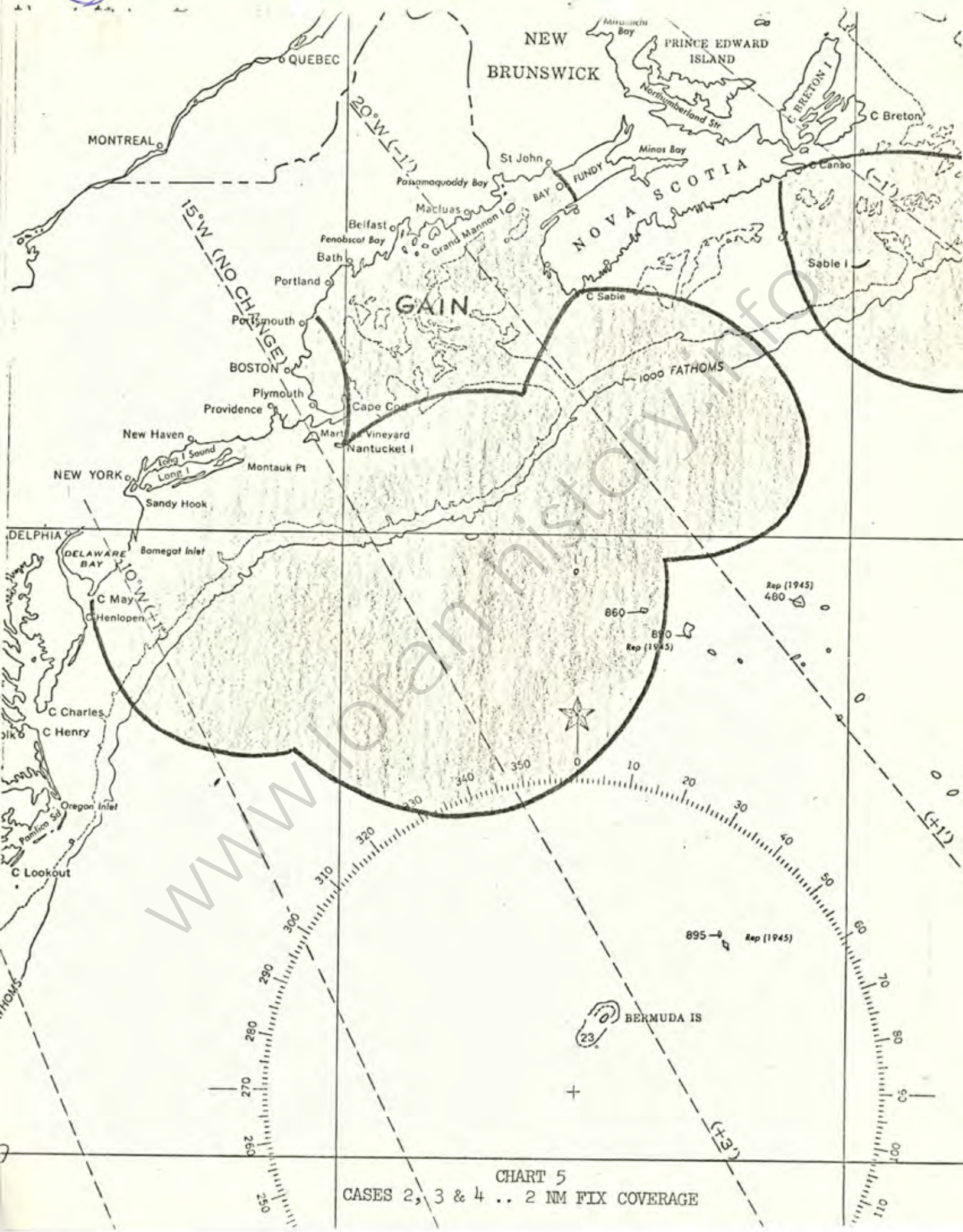


CHART 5
 CASES 2, 3 & 4 .. 2 NM FIX COVERAGE