UNITED STATES COAST GUARD

U. S. COAST GUARD OFFICIAL DISPATCH

TRANSMIT

DATELS JUNE 1950

TELEPHONE TO

MESSENGER TO

FROM		SECRET
COMMANDANT(EEE)		CONFIDENTIAL
		RESTRICTED
TO (FOR ACTION)		URGENT
CDR 14TH CG DISTRICT (EEE)	-	PRIORITY
Cour Tutu on anaturar (1999)	X	ROUTINE
	4	DEFERRED
		MAILGRAM
		ACKNOWLEDGE
TO (FOR INFORMATION)		URGENT
		PRIORITY
	1	ROUTINE
		DEFERRED
		MAILGRAM
		ACKNOWLEDGE

OUTGOING HEADING

161448

UAN

OSU P

ECV

TEXT

REF YOUR DISPATCH 132130Z ACTION HAS BEEN TAKEN TO AQUIRE LOTAN SITES X BEE TO BEE LAYOUT YOUR DWG FOURTERN DASH WAKE DASH ZERO ZERO TWO APPROVED BUT BELIEVE LOW SIGNAL STRENGTH BASED ON YOUR LATE ELECTRONICS REPORT AT MAKE ISLAND WARRANTS EXCEPTIONAL REARRANGEMENT ALONG FOLLOWING LINES FOR BEASONS GIVEN WITH EACH X LOHAN TRANSMITTING BUILDING MAY REPADIATE LOCAL TRANSMITTER SIGNAL AND BRING SO CLOSE TO COMB MAY CAUSE DISTORTION IN RECRIVED SIGNAL IN COMB X DUAL COMB ARRAY COULD BE RESCRED ON BASE LINE BY CUTTING PRESENT COMB AT WHITH ELEMENT COMMA MOVE EIGHT NORTH ELEMENTS AND BUILDING SECOND NINE ELEMENTS EAST OF AND PARALLEL TO PRESENT ARRAY X SINGLE VERTICAL RECEIVING ANTENNA COULD BE IMPROVED BY APPROXIMATELY 20% IN ELIMINATING LAND ATTENUATION BY MOVING ITS SITE WEST OF GROUND SYSTEM AND LOCATING NEAR SOUTH SHORE X CHANGE OF COMB REQUIRES ADDITIONAL DAND X ADVISE PRACTICABILITY OF PROCURING ADDITIONAL LAND EAST OF PRESENT SITE X IF COMB NOT YET CONSTRUCTED A SOMEWHAT LARGER AREA THAN SUGGESTED ABOVE COULD ACCOMMODATE DUAL COMB LOCATED STILL PURTHER AWAY FROM OTHER OBJECTS AND BUILDINGS X ADVISE IF ADDITIONAL LAND PROCUREMENT EASTWARD FOR THIS CONDITION PRACTICABLE

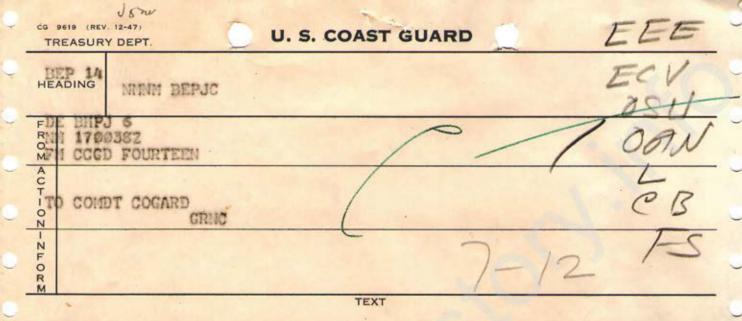
TOD—161448 1 30 BCL6-50 OPERATOR'S RECORD OFFICE OF ORIGIN:

EEE-nlpo 080 3-186

LAWRENCE M. HARDING, CAPT, USC CHMUTALS OF THE LASING OF THE COLOR

TIME RELEASED:

38715)



EEE TO EEE X YOUR 161448Z X ADDITIONAL LAND PROCUREMENT NEAR PROPOSED PEALE SITE NOT PRACTICABLE X SINCE TERRAIN AND EXISTING

STRUCTURES MAKE CMD PROHIBITIVE FOR CLEARING FOR COMB ANTENNA CHANGES SUGGESTED X EST MINIMUM 75 THOUSAND DOLS X RECOMMEND

ELIMINATION POSSIBLE EFFECT RE-RADIATION SIGNAL BUILDING MORE PRACTICAL THIS CASE X FURTHER RE-RADIATION DISTORTION IN COMB

POSSIBLE FROM EXISTING STEEL SKELETON STRUCTURES AND PROXIMITY MAIN ANTENNA TO LAST COMB ELEMENTS X DO NOT RECOMMEND LOCATION

RECEIVING ELEMENTS TOO CLOSE TO CAA HHW TOWER TO EAST OF STA X EASTWARD TRANSLATION OF COMB PORTION MEETS UNFAVORABLE SHORE LINE

DIRECTION REQUIRING EITHER STAGGERING OF SECTIONS OR EXTENDED GROUND RADIALS FORWARD OF EAST SECTION TO SEA X NEW SUBJ X LOCATION

SINGLE VERTICAL (MONITOR) REC ANT PROMPTED BY DESIRABILITY BASELINE EXTENSION MEASUREMENTS DIRECTLY X ALMOST COMPLETE GROUND PLANE TO SEA

PLUS CAA TESTED HIGH SOIL CONDUCTIVITY INDICATES LAND ATTENUATION PRODABLY LESS THAN 20 PCT PGEDICTED URDIS K CONCRETE POLE SOCKET

ANCHORS AND GND RADIAL SYSTEM ALREADY COMPLETED X INDICATED RELOCATION INVOLVES EITHER EXPENSIVE REMOVAL EXISTING BLDG SKELETON

U. S. COAST GUARD

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Z-ZHOEZ	PAG	E TWO BHPJ 6					
TEXT							

ACCEPTANCE LOW GROUND ELEVATION WHICH NOT RECOMMENDED X NEW SUBJ X BELIEVE LAYOUT SHOWN DWG 14-WAKE-002 PRACTICAL SOLUTION AND

REQUEST UNQUALIFIED APPROVAL FOR PRESENT BASED ON EXCESS COST OF CHANGES AND FURTHER DELAY IN CONSTRUCTION

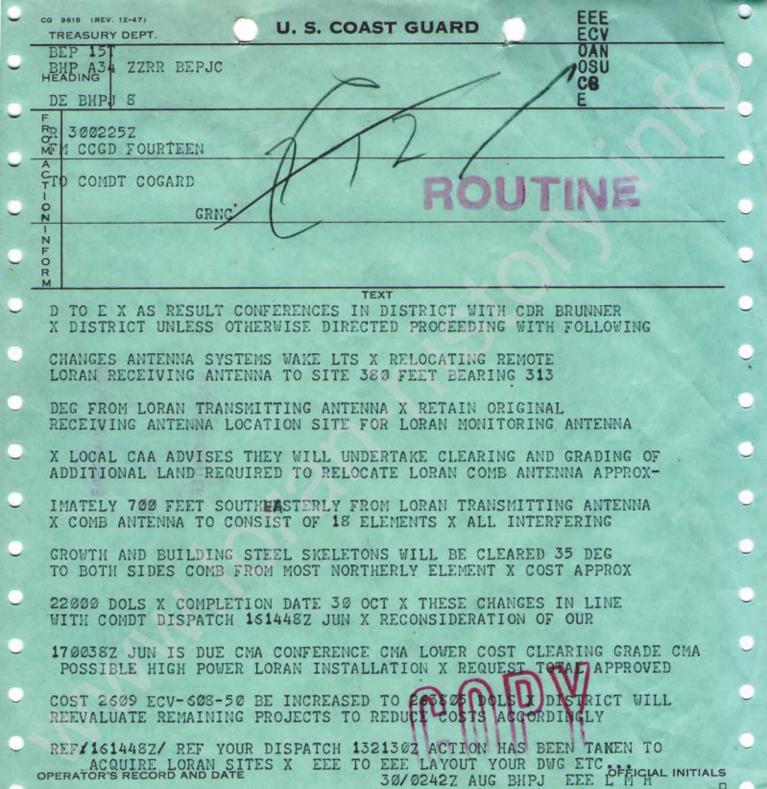
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EEE LMH

CFN 1514472)) 75 20 14-WAKE-002

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