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UNITED STATES COAST GUARD

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ADDRESS REPLY TO
Commander
14th CG District
P.O. Box 4010
Honolulu, T.H.

U. S. COAST GUARD DISTRICT
MAIL & RECORDS
SERVICE SECTION
RECEIVED OCT 7 1949 (1)

3 October 1949
File: oan 601-607

From: Commander, 14th Coast Guard District
To: Commandant (OSU-OAN)

Subj: CGLTS Niihau Operational Data Report; comments on; forwarding of

With regard to comments made in Part II, paragraph 9 of attached report, it is desired to point out that a new sewage system has been installed. It is contemplated this station will be relocated in the near future.

J. D. Conway
J. D. CONWAY
Chief of Staff

Incl:
CGLTS Niihau
Operational Data Report

www.loran-his.com info

6067151

UNITED STATES COAST GUARD
CG LORAN TRANSMITTING STATION
NIIHAU, T.H.

ADDRESS REPLY TO

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AUG 29 1949
DISTRICT OFFICE 14781

REFER TO FILE 607

17 August, 1949

From: Commanding Officer, CGLTS, Niihau, T.H.
To: Commander, 14th Coast Guard District (oan)
Subj: Loran station Operational Data Report; submission of.

1. Enclosed herewith is the subject report which was found after a thorough search of this units files was made.

2. Because of lack of sufficient information at this unit, it is requested that paragraphs 3(b) & 3(c) of Part II, page 1 be completed by the District office prior to submission of this report to Headquarters.

R. W. Smith
R. W. SMITH

www.loran-hi.com

J.S. COAST GUARD
OPERATIONAL DATA REPORT
PART I

~~16 August~~ 19 ~~49~~
(date)

1. Reporting Unit: CGLTS, Niibau, T.H. ; 1445 Coast Guard District

2. Operations:

(a) Mission, primary (refer OPFAC, Part III, Section A):

- (1) Rate (s): 2L0 & 2L1
- (2) Type of station (slave, monitor, etc.): Double Master
- (3) Other stations in chain (list):
French Frigate Shoals
Hawaii

(b) Additional tasks (list any operational or administrative duties performed, or for which the unit is responsible, other than those incident to primary mission, above; indicate amount of work performed under each type of duty listed):

NONE

U. S. COAST GUARD
OPERATIONAL DATA REPORT
PART II

16 August, 1949
(date)

1. Reporting Unit: CGLTS, Niihau, T.H. ; 14th Coast Guard District

2. Location:

(a) Place Name: Keelinawi, Niihau, T.H.

(b) Latitude: 21 - 48 - 16.4 North ; Longitude: 160 - 14 - 13.5 West

3. Site:

(a) Location chart: On inclosure 1, appended, draw in the unit's site and note any other items of special significance to Coast Guard interests in the locality, except those of a higher than "unclassified" security classification.

(b) Photos: Obtain; mark "inclosure 2", and append a file of photos of the unit, including, if practicable, an aerial view (oblique) from 1500 feet. (Note: To be augmented as necessary from district files by District Commander reviewing the report. An up-to-date definitive file of photos preferably 8"x10 $\frac{1}{2}$ ", is desired.)

(c) Sketch: Prepare; mark "inclosure 3", and append a sketch, 8"x10 $\frac{1}{2}$ ", to some convenient scale, showing boundaries of the site and location of all buildings and other important features. (Note: Name or number buildings in sketch to agree with name or number used in paragraph 4, below.)

(d) Status of occupancy of site: (Note: To be filled in by District Commander reviewing the report)

The Coast Guard occupies the site on which subject Loran station is located by authority of a LICENSE executed between the U.S. Coast Guard and the owner of the property one Mr. Aylmer C. Robinson, dated 25 April, 1944. LICENSE to expire: The duration of the present war with Japan and the Axis Powers and ~~SIX~~ six months thereafter, unless sooner terminated or abandoned by the Government.

(e) Physiography: Prepare, mark "inclosure 4", and append a brief summarized description of the physiography of (1) the local region and (2) the unit's site. Include information as to type of soil, evidence of erosion, amount of vegetation, hills, slopes, elevations, beaches, waterways, climate and other important physical characteristics. Clearly indicate any features which have special significance to Coast Guard interests in the locality.

4. Structures (except wharves):

(a) Prepare, mark "inclosure 5A", "inclosure 5B", etc., and append a "Structure Form" for each structure (except wharves) on the station. (Note: A sample "Structure Form" is attached.)

- (b) Berthing and messing capacity of unit as now equipped: 3 officers;
16 enlisted.
- (c) Maximum berthing and messing capacity of unit, conditional upon provision of additional equipment as listed in "inclosure 6": 3 officers;
16 enlisted. (prepare, mark "inclosure 6", and append a list of items required by the unit to permit full utilization of available berthing and messing space.)

5. Communications:

(a) Mail:

- (1) Mailing address: **CG Loran Transmitting Station, Niihau Island
c/o Nawiliwili Light Station, Kauai, T.H.**
- (2) Normal routing of mail and method of delivery (fill in only if beyond Continental U. S.): **From Kauai to Niihau via Sampan**
- (3) Normal frequency of delivery: **Weekly, weather permitting**
- (4) Normal time-delay in transit and delivery at the unit of mail from Continental U. S. (fill in only if beyond Continental U. S.):
Air Mail - Usually five days Regular Mail - Approx. two (2) weeks

(b) Radio:

- (1) Is voice radio communication equipment installed? Yes
- (2) Is CW radio communication equipment installed? Yes

(c) Telephone:

- (1) Number (if connection to commercial exchange): **None**
- (2) Other connections to outside points: **None**

(d) Teletype:

- (1) Coast Guard net? None
- (2) Commercial (TWX)? None
- (3) Others (list): **None**

6. Transportation:

(a) General:

- (1) Indicate normal method of routing freight and passengers to unit:
Freight:

**Coast Guard Logistics Vessel
Light Freight via Sampan**

Passengers:

Coast Guard Logistics Vessel and Sampan

- (2) Are indicated methods reliable? Yes Adequate? Yes
If unreliable or inadequate, indicate why and, if possible, recommend more satisfactory routing:

(b) Air:

- (1) Airfields accessible to unit by vehicle or boat:

<u>Name</u>	<u>Location</u>	<u>Distance from Unit</u>	<u>Via Vehicle or Boat (show which)</u>	<u>Type of Service</u>	<u>Airlines Serving</u>
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NONE

- (2) Seaplane landings accessible to unit by vehicle or boat:

<u>Name</u>	<u>Location of Anchorage or Ramp</u>	<u>Distance from Unit</u>	<u>Via Vehicle or Boat (show which)</u>	<u>Type of Service</u>	<u>Airlines Serving</u>
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NONE

(c) Land:

- (1) Highways (cite main roads linking unit with, and distances from unit to, populated centers):

NONE

- (2) Bus lines (cite bus lines linking unit with, and distances from unit to, populated centers):

NONE

- (3) Railroads:

- (a) Terminals accessible to unit by vehicle or boat:

<u>Name</u>	<u>Location</u>	<u>Distance from Unit</u>	<u>Via Vehicle or Boat (show which)</u>	<u>Type of Service</u>	<u>RR Lines Serving</u>
-------------	-----------------	---------------------------	---	------------------------	-------------------------

NONE

- (b) Unit's RR freight address:

NONE

(d) Sea:

(1) Terminals (for ocean-going-vessels) accessible to unit by vehicle or boat

<u>Name</u>	<u>Location</u>	<u>Distance from Unit</u>	<u>Via Vehicle or Boat (show which)</u>	<u>Type of Service</u>	<u>SS Lines Serving</u>
-------------	-----------------	---------------------------	---	------------------------	-------------------------

NONE

(2) Anchorage (for ocean-going vessels) in vicinity of unit:

- (a) Location: **Kamalino, Nonopapa, Kii**
- (b) Controlling depth: **Unknown**
- (c) Holding ground: **Sand and Coral**
- (d) Protection from wind and sea: **None**

(e) Average sea conditions:

Fair March to September
Poor Other times

(f) Distance to landing beach or wharf:

No wharf available

(3) Wharf at or near unit for landing supplies by boats:

- (a) Location: **None**
- (b) Type of construction: **None**
- (c) Controlling depth of channel: **None**
- (d) Range of tide: **None**
- (e) Length of berth across face: _____; depth of water at MLW _____
- (f) Length of berths alongside: _____; depth of water at MLW _____
- (g) Cargo handling facilities: **None**

(h) Normal routes and methods of moving supplies to storage (indicate distance and type of terrain and roads traversed):

None

(4) Landing beach at or near unit for landing supplies by boats:

- (a) Location: **Kamalino, Nonopapa, Kii**
- (b) Nature of beach: **Rocky with small sandy patches**

(c) Bottom: **Sand and Coral**

(d) Slope above and below waterline: **Approximately four (4) feet**

(e) Usable length: **Kamalino- 50' - Nonopapa - 70' - Kii - 30'**

(f) Reefs, etc., limiting access: **Reefs at all locations**

(g) Surf and wind conditions affecting use:

Heavy surf and wind from September to March
Mild conditions at all other times

(h) Precautions:

No unusual conditions exist and the usual precautions for beach landings are all that are necessary.

(i) Types of boats suitable for landings:

Surf Boats and Landing Craft

(j) Normal routes and methods of moving supplies to storage (indicate distance and type of terrain and roads traversed):

From Kamalino - 3 Miles of very poor dirt and rocky road
From Nonopapa - 7 Miles of very poor dirt and rocky road
From Kii - 22 Miles of very poor dirt and rocky road

A series of snapshots which were taken at Kaunohou Bay, Kawaihoa Point on the southern end of the island show very clearly that this is and unsafe place for and landing operations. The pictures indicate clearly the lava shelves which surround the entire cove. The bottom is treacherous being covered with coral reefs.

Coral reefs and lava shelves prevent safe landings elsewhere around the island.

16 August, 19 49
(date)

COLTS, Withau, T.H.
(Unit)

7. Logistics:

(a) Indicate sources of supply, etc., of following:

	Normal Source	Frequency Of Delivery	Via (Method of Delivery)	Alternate Source	Local Source	Remarks
<u>Meat</u>	Honolulu	^A According to Operations schedule Usually twice a Month	CG Vessel	None	None	
<u>Dry Provisions</u>	Same as above					
<u>Fresh Frts & Veggies</u>	Same as above					
<u>Personal Stores</u> (candy, tobacco, etc.)	Same as above					
<u>Clothing</u>	Same as above - When required					
<u>Fuel</u>	Same as above - Usually once a year or whenever required					
<u>Machinery Parts</u>	Same as above - When required					
<u>Electronic Parts</u>	Same as above - When required					

- (b) Indicate source, method, and adequacy of water supply:
**Cleaver - Hooks Distillation Unit - Rain water whenever possible
 Supply is adequate provided care is used**
- (c) Indicate source, method, and adequacy of electric power supply, including emergency supply:
**2 - International Diesel Generators
 2 - Caterpillar Diesel Generators**
- (d) Storage space:

	<u>Cu. Ft.</u>	<u>Adequate?</u>	<u>Additional Required</u>
<u>Frozen Storage:</u>	150	Yes	None
<u>Chilled Storage:</u>	150	Yes	None
<u>Fresh Frts & Veggies</u> (except chilled)	None		
<u>Dry Provisions:</u>	1000	Yes	None

	<u>Gallons</u>	<u>How Stored</u>	<u>Adequate?</u>	<u>Additional Required</u>
<u>Drinking Water</u>	8000	2 - tanks	Yes	None
<u>Diesel Oil</u>	25000	Drums	Yes	None
<u>Gasoline</u>	5000	Drums	Yes	None
<u>Kerosene</u>	5000	Drums	Yes	None
<u>Coal (Tons)</u>		NONE		

- (e) Fuel requirements, annual; List: **Diesel Oil - Approx. 22000 gal
 Lub Oil - " 1500 gal
 Kerosene - " 5000 gal
 Gasoline - " 5000 gal**
- (f) Comment on adequacy of existing method of procuring, handling and storing supplies:
System at present time is adequate provided logistics vessel arrive on schedule.

8. Security:

- (a) Describe provisions made and measures being taken to limit access to the unit (fences, gates, security watches, etc.):
Unit completed fenced in with one main gate and several small gates. No security patrol maintained except the observations made by the scope watchstanders
- (b) Are these provisions and measures adequate? Yes If not, explain:
- (c) Is trespass or attempted trespass by unauthorized persons considered likely? Explain: **No; due to the isolated locations of the station, and the terms of the lease for the land.**

(d) What means has the unit at hand to defend itself against armed attack, sabotage, etc.? (Small arms, ammunition, etc. List):

<u>Allowed</u>	<u>On Board</u>	<u>Adequate?</u>	<u>Remarks</u>
Determined by District Commander	2 - M1 Rifles	Yes	
	4 - .45 cal. pistols	Yes	
	1 - .22 cal. rifle	Yes	
	1 - .22 cal. pistol	Yes	
	1 - 12 gauge shotgun	Yes	

(e) What local sources of armed assistance may be depended upon? (U.S. Army or Navy units, etc. List):

NONE

(f) Firefighting equipment at unit:

(See attached sheet for corrections to below information)

<u>On Board</u>	<u>Operative?</u>	<u>Adequate?</u>	<u>Remarks</u>
Hale Fire Pump	Yes	When intake is available	Intake cannot be maintained on heavy surf conditions
CO ₂ Foamite and Marlow Pump	Yes	Yes	
	Yes	Yes	
	Yes	Well water supply being used, would last about twenty minutes with three in operation	

(g) Are fire mains well-located and operative? Yes If not, explain:

(Note: Indicate fire hydrants in red on inclosure 3)

(h) What type of fire watch is maintained?

Regular security patrol made by watch standers

(i) What firefighting assistance from other sources may be depended upon?

NONE

9. Sanitation and Health:

(a) Drinking water: Water is distilled from salt water
Rain water is caught from roofs

(1) What precautions are taken to insure that the supply is fit to drink?
Regular water tests are made during operation of distiller
Water storage tanks are cleaned thoroughly at regular intervals

(2) Are these precautions considered effective? Yes If not, explain:

(b) Garbage:

(1) How is garbage disposed of? Feed to wild Hogs

(2) Is this method satisfactory? Yes If not, explain:

(c) Sanitary System:

(1) Are adequate lavatories, bathtubs, showers, waterclosets, sinks, laundry tubs, etc., available and operative? No If not, explain:

Only two showers, wash bowls, and lavatories are provided for the use of enlisted personnel.

Washing machine in poor shape. Inadequate due to large quantity of water required for operation.

(2) How is sewage disposed of? Septic tank and seeps

Is this method satisfactory? No. If not, explain:

Septic tank required to drain on an uphill grade.

There is no decomposition in the tank, and it acts as a storage place for the refuse. When filled with liquids, the liquids are overflowing the tank and draining into the swamp behind the station.

(d) Refuse matter:

(1) What precautions are taken to prevent propagation and spread of disease germs from refuse matter?

All refuse matter other than that which can be fed to hogs is thrown on a dump outside the reservation.

(2) Are these precautions considered effective? Yes If not, explain:

The only exception to this is the fact that the dump is a unsightly affair, and can not be burned due to the dry condition which exists. No refuse is to be thrown into the ocean.

(e) Insect pests:

(1) What precautions are taken to safeguard personnel against insect pests?

All buildings are screened in and a liberal use is made of insect powder and DDT

(2) Are these precautions considered effective? Yes If not, explain:

CGLTS, Miihau, T.H.

16 August, 1949

(f) Firefighting equipment at unit:

The Hale fire pump is now drawing suction from a steel salt water supply tank which was just recently installed on the station. This tank is kept supplied with water through a sea suction over the reef in front of the station. A Blackmer positive displacement pump is used ~~for~~ to keep this tank full at all times. The station well is used as a stand by at the present time. The steel tank will store about 5000 gallons of salt water.

- (f) Diseases: Prepare, mark "inclosure 7", and append: (1) list of diseases common to the area against which, according to your best knowledge or belief special inoculations or other precautions are necessary. Indicate whether or not such inoculations or other precautions are being carried out; give details of precautions. (2) List of diseases or ailments which occur most frequently among unit's personnel. (Note: If in doubt as to precise medical nomenclature, give best information available.)

**No special inoculations are necessary for personnel of this unit
Common cold is the only ailment which occurs**

- (g) Medical aid:

- (1) Nearest hospital available for unit's use: **Honolulu**

Distant 130 miles via **CG vessel**

- (2) Nearest regularly authorized source of professional medical treatment
Honolulu

Distant 130 miles via **CG Vessel**

Describe employment status of physician (U.S.P.H.S. officer; civilian contract physician, full time or part time, etc.)

Full time U.S.P.H.S. officer provided in Honolulu

- (3) Nearest regularly authorized source of professional dental treatment
Honolulu

Distant 130 miles via **CG Vessel**

Describe employment status of dentist: **U.S.P.H.S.**

- (4) Are services furnished as indicated in (1), (2) and (3) above satisfactory? No. If not explain:

These would not be satisfactory in case of serious injury.

- (5) Location of more convenient facilities for emergency medical or dental treatment (not regularly authorized):

NONE

- (6) What facilities and personnel are available at the unit for providing first aid treatment?

No pharmacist's mate assigned to station

Only first Aid available is that which is known by men attached.

Are these adequate? No If not, explain:

All personnel ~~should~~ should have a better knowledge of first aid and a pharmacist's mate should be attached.

- (7) Are there any sanitary or medical service problems which make it desirable for a sanitary engineer or medical representative to visit the unit? (Indicate nature of problem.)

No

10. Welfare:

(a) Family quarters: **NONE**

- (1) Are government quarters provided at the unit? No. If yes, for how many families? _____

(2) Are these adequate? If not, explain:

- (3) Are privately owned rental quarters available in the area in quantities sufficient to meet the unit's reasonable needs?

No

(b) Recreation:

- (1) What types of recreation and what recreational facilities are available at the unit? (Underscore most popular types):

Fishing, swimming, football, baseball, movies, ping-pong, volley ball, boxing, basketball, badminton

CGLTS, Nihau, T.H.

(unit)

16 August, 1949

(date)

- (2) What additional types of recreational facilities, within reason, might be provided to good advantage at this unit?

NONE

- (3) What types of recreation and what recreational facilities are available in the nearby vicinity?

NONE

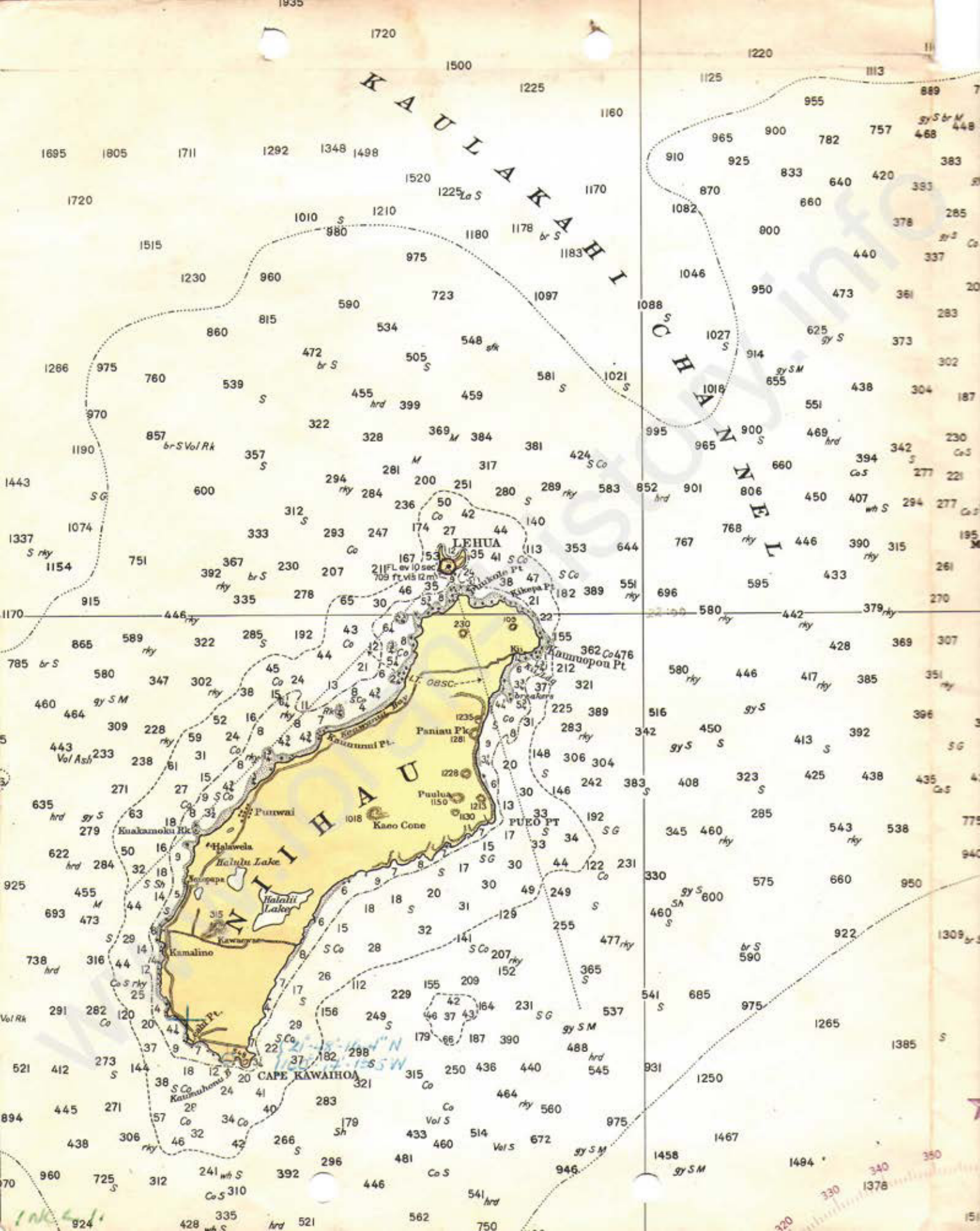
U.S. COAST GUARD
OPERATIONAL DATA REPORT
PART III

16 August, 19 49
(date)

1. Reporting unit: CGLTS, Nihen, T.H.; 14th Coast Guard District

2. Work Load Estimates:

- (a) As applied to work-loads in inclosure 8 of this report, the term "optimum condition" shall mean "work-load imposed by performance of the unit's assigned tasks, including normal maintenance of unit and equipment"; "minimum condition" shall mean "work-load imposed by performance of the unit's assigned tasks, including emergency minor repair of equipment". The latter term shall represent the minimum work-load below which the unit may expect to cease effective operations.
- (b) Prepare, mark "inclosure 8A", "inclosure 8B", etc., and append a Work-Load Estimate sheet for the unit and one for each additional facility attached. In "man-hours/week" column, indicate estimated average work-load in the specific type of activity indicated on left-hand side of sheet. In the "recommended rating structure" column, do not break the rating down into chief, 1c, 2c, 3c; show only the general classification, thus "ET", "EN", etc. (Note: A sample "Work Load Estimate" sheet is attached.)



KAUAI

HAHANE

HAU

LEHUA

PUEO PT

Halaua Lake

Halalii Lake

Kano Cone

Kamalino

CAPE KAWAIIHOA

Panau Pt

Kilauea Pt

Rannuopon Pt

Kaunakakai Pt

Kaunakakai Pt

Kaunakakai Pt

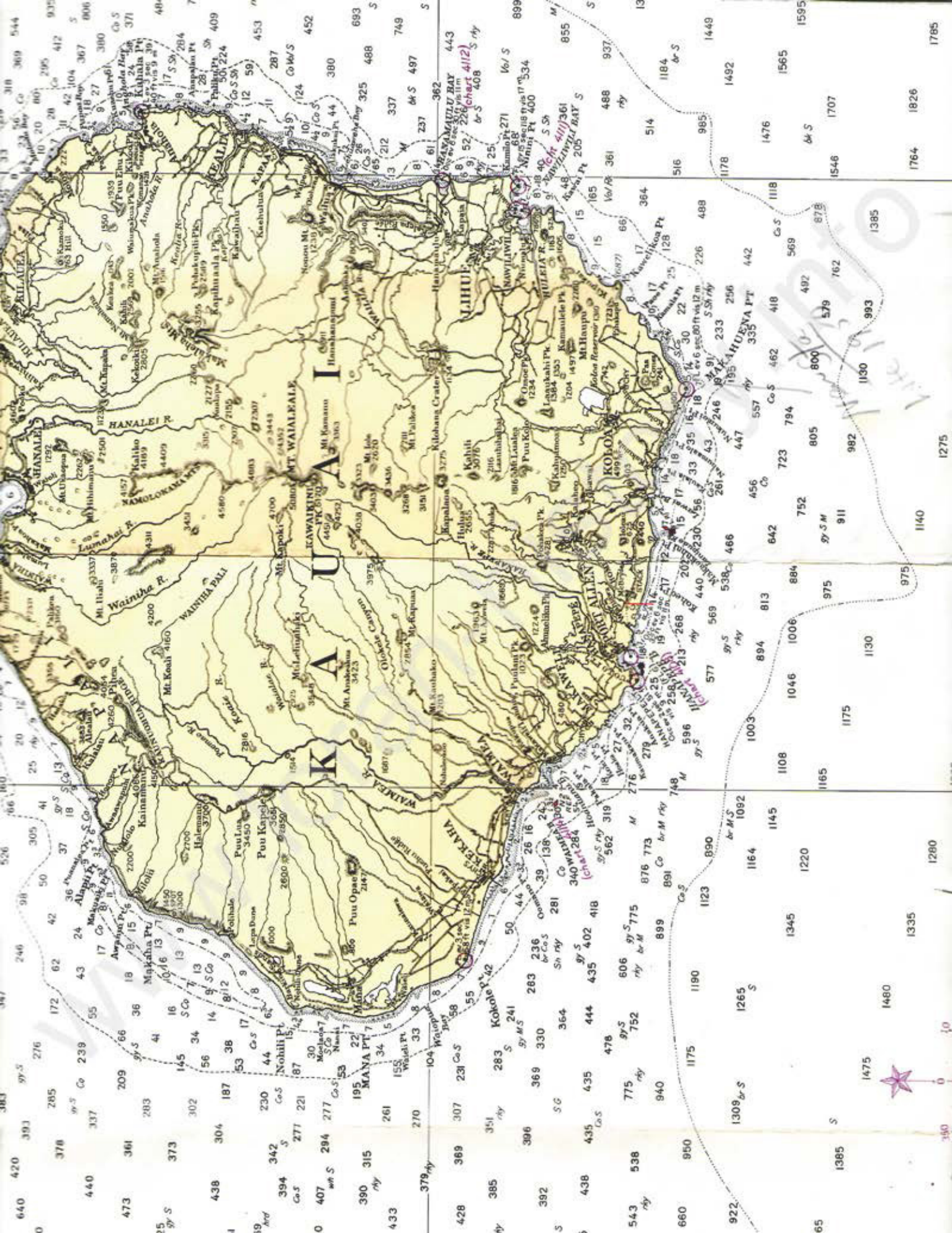
Kaunakakai Pt

Kaunakakai Pt

Kaunakakai Pt

Kaunakakai Pt

Kaunakakai Pt



29 August, 1949

MEMORANDUM TO: PHC GARRETT

Subj: Photos of CGLTS Niihau; furnishing of

1. This office is in the process of preparing an Operational Data Report on Niihau Loran Transmitting Station.
2. It is requested that you prepare three (3) copies of each print (Size 8" x 10½") you have available and forward them to this office. If possible, include an aerial view (oblique) from 1500 feet.



W. RICHARDS
Asst. A/N Officer

8 September 1949

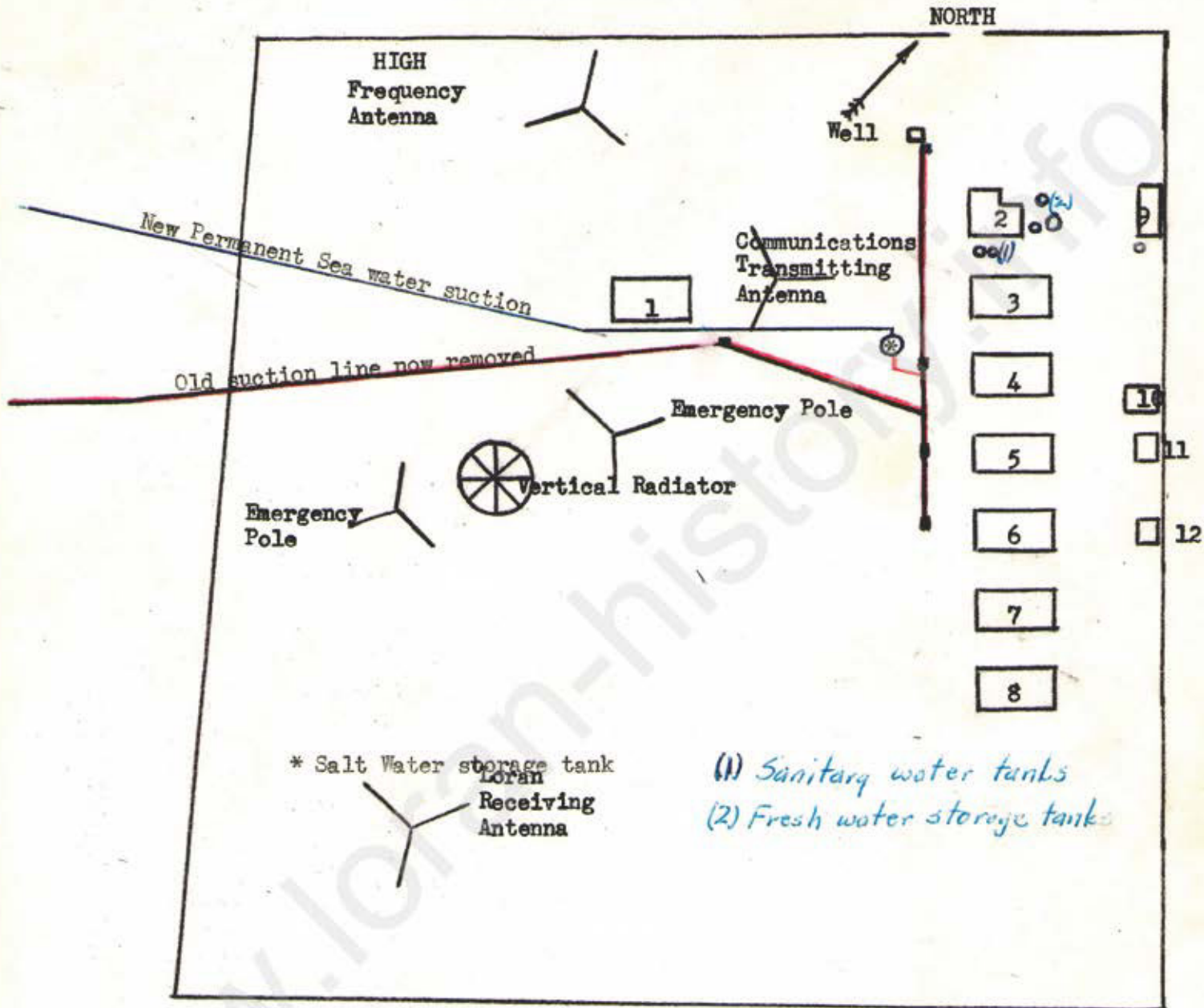
The above request has been complied with, with the exception of the aerial photograph. We do not have any aerial negatives in our files of the CGLTS Niihau.



A. Garrett, PHC.

NiiHAU

INCLOSURE NUMBER 3



(1) Sanitary water tanks
(2) Fresh water storage tanks

APPROX; Scale: 1" = 120'

- 1 - Operations Hut
- 2 - Evaporator Shed and Garage
- 3 - Caterpillar Hut
- 4 - International Hut
- 5 - Galley and Mess Deck
- 6 - Officer's Quarters
- 7 - Crews' Quarters
- 8 - Recreation Hall
- 9 - Hamm Shack & Tool Shed
- 10 - Laundry Hut
- 11 - Paint Locker
- 12 - Armory

Remote Communications Receiving Antenna

INCLOSURE NUMBER 4
PART I

Physiography of the Local Regions

The soil about the island consists of sand along the shoreline and a red type clay dirt covering the remainder. The island is covered with lava rocks on all highland sections which are constantly exposed to the weather and prevailing winds.

The beaches around the island are small and only offer a limited amount of space for landing operations due to reef ledges all along the shoreline. Reefs and corral heads are predominant off shore for approximately 25 yards around the entire island. A lava rock cliff is predominant at both the southern and northern ends of the island. The ledges are continually wearing and breaking away due to the action of sea and weather conditions. Because of the extreme rocky condition which exists over the entire island, all roads are in very poor condition.

The main vegetation is a thorn tree (kiewe), which according to reports was imported to the island for the purpose of relieving the barren condition which existed many years ago. Eatable crops as grown by the native population are scarce because of the lack of water during the summer season.

The majority of the land mass of the island is only a few feet above sea level, with small rises appearing frequently. The mountainous section along the eastern side of the island has an elevation of approximately 1100 feet. In the interior part of the island, there are several lake beds which remained dried up during the summer months and are filled only during the rainy season. There is one inland salt water lake which according to reports is used for raising fish. At either end of the island there are coves which were formed from the wearing away of volcanic craters.

All the water holes and wells on the island contain brackish water. The majority of these are used as water holes for the cattle. The lowest salinity reading obtained by geological surveyor was approximately 15 grains. However, the majority of these holes contain considerably more salt than this amount.

Except during the ^{Kona} kona rain season there is a predominant southeasterly wind blowing over the island. The winds are usually brisk and vary mainly during the kona season. Rainfall is usually small, with most of the rain falling during the winter months.

INCLOSURE NUMBER 4
PART II

Physiography of the Unit's Site

The station is located on the western side of the island on the flat portion of land as indicated in Inclosure 1 of this report. The main transmitting antenna is located approximately 100 yards from the waters edge, with six of the quonset huts situated about 220 yards from the beach. The terrain slopes downward slightly as you move inshore. The elevation at the beach is approximately 15 feet, with the quonset hut site at an elevation of about 11 feet. The quonsets are located on a line running about north north west.

The soil within the station limits consists of the red clay type and is extremely rocky. Sand has been hauled in and is used for the roadways about the station. The vegetation on the station consists of weeds and the thorn tree. Both these are being kept under control.

Directly behind the station, the terrain continues to slope downward almost reaching sea-level at a distance of approximately 50 yards. This causes a damp condition to exist and leaves a swamp during wet weather. This condition offers good breeding grounds for mosquitoes and other insects which become very prevalent during these seasons. The station snaitary system drains into this swampy section, thus causing stagnant pools to be present at all times.

A fifteen foot shallow well is located on the station site and contains about $3\frac{1}{2}$ feet of water. Prior to the installation of the new sea water suction line, this well was used to supply the water for the station distillation unit. The water is brackish like all the other wells and water holes on the island. The well is covered at the present time and will be used only in case of an emergency.

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OPERATIONAL DATA REPORT
STRUCTURES

INCLOSURE NUMBER 5

16 August, 1949
CGLTS, Niihau, T.H.

1. Name of structure as shown on sketch, Inclosure 3 of basic report
Operations Hut
2. Cubic capacity:
Approx. 9620 cu. ft.
3. Purpose which used:
Houses loran timer room, transmitter room, station radio room, electronics store room, and electronic repair shop
4. Does structure fill its purpose adequately:
Yes

-
1. Name of structure:
Evaporator shed and garage
 2. Cubic capacity:
Building consists only of a roof with one closed side
 3. Purpose:
Houses distillation unit; contains garage and grease pit for station vehicles
 4. Adequate:
Yes

-
1. Name of structure:
Caterpillar Hut
 2. Cubic capacity:
Approx. 7850 cu. ft.
 3. Purpose:
Houses two caterpillar diesels, spare parts and tool room; plus machinery work shop
 4. Adequate:
Yes

-
1. Name of structure:
International Hut
 2. Cubic capacity:
7850 cu. ft.
 3. Purpose:
Houses two International diesels, spare parts lockers, and general stores stowage.
 4. Adequate:
Yes

INCLOSURE NUMBER 5 (con't)

1. Name of structure:
Galley and Mess Deck
 2. Cubic capacity:
Approx. 7850 cu. ft.
 3. Purpose:
Galley, storeroom, mess deck. Seats 19 men
 4. Adequate:
Yes
-

1. Officer's quarters
 2. Cubic capacity:
Approx. 7850 cu. ft.
 3. Purpose:
Contains three private rooms, station office, library, head and shower room
 4. Adequate:
No - There is a very decided need for comfortable furniture to provide proper relaxation facilities
-

1. Name of structure:
Crew's quarters
 2. Cubic capacity:
Approx. 7850 cu. ft.
 3. Purpose:
Contains space for 15 men with small lockers
 4. Adequate:
No - There is insufficient storage space for each man's gear, no privacy, no room for desks
-

1. Name of structure:
Recreation Hall
 2. Cubic capacity:
Approx. 7850 cu. ft.
 3. Purpose:
Contains movie and rec hall, sick bay and projection room, and dark room
 4. Adequate:
Yes
-

1. Name of structure
Ham shack and Tool shed
 2. Cubic capacity:
1530 cu. ft. approx.
 3. Purpose:
Ham radio station and miscellaneous storage space
 4. Adequate:
Yes
-

INCLOSURE NUMBER 5 (con't)

1. Name of structure:
Laundry Hut
 2. Cubic capacity:
1200 cu. ft. approx.
 3. Purpose:
Contains station laundry with hot water heater
 4. Adequate:
Yes
-

1. Name of structure:
Paint locker
 2. Cubic capacity:
336 cu. ft. approx.
 3. Purpose:
Paint storage
 4. Adequate:
Yes
-

1. Name of structure:
Armory
2. Cubic capacity:
Approx. 280 cu. ft.
3. Purpose:
Storage of small arms and ammunition
4. Adequate:
Yes

U.S. COAST GUARD
 OPERATIONAL DATA REPORT
WORK LOAD ESTIMATES; Inclosure 8 (sample)

16 August 1949
 (date)

(unit)

For (unit. CG Loran Transmitting Station, Niihau, T.H.) Strike out one which
 (~~additional-facility:~~ _____) does NOT apply

	<u>Optimum Con- dition (average Man-hrs/week</u>	<u>Minimum Con- dition (average Man-hrs/week)</u>
1. Operational		
Watchstanding:		
(a) Scope - - - - -	336	168
(b) Communications- - - - -	28	28
(c) Duty technician - - - - -	168	168
(d) Duty mechanic - - - - -	168	168
(e) Security- - - - -	0	0
(f) Distiller Operation - - - - -	24	24
(g) - - - - -		
(h) - - - - -		
2. Maintenance & Repairs:		
(excess work load over such work performed by watch- standers, item 1, above).		
(a) General overhaul & repair of machinery - - -	35	35
(b) Station upkeep - - - - -	40	0
(c) - - - - -		
(d) - - - - -		
(e) - - - - -		
3. Station services:		
(a) Mess; operation of- - - - -	140	84
(b) Stores; procurement/handling of - - - - -	50	50
(c) Correspondence/records; preparation/handling of - - - - -	48	30
(d) Training and drills - - - - -	50	10
(e) Medical - - - - -	0	
(f) Boat duty - - - - -	0	
(g) - - - - -		
(h) - - - - -		
4. Ineffective time:		
(a) Sick (including travel time)- - - - -	0	0
(b) Absent, temp. duty (incl. travel time)- - - - -	0	0
(c) Leave (including travel time) - - - - -	0	0
(d) Liberty - - - - -	336	168
(e) Vacancy (detachment prior arrival of relief)-		
(f) - - - - -		
5. Total man-hrs/week: - - - - -	1423	933

U.S. COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM; Inclosure 5 (sample)

19

(date)

(unit)

1. Name (or number) of structure as shown on sketch, Inclosure 3 of basic report:

2. Cubic capacity: basement _____ cu. ft. (approx.)
 1st floor _____ " " "
 2nd floor _____ " " "
 3rd floor _____ " " "

3. Purpose for which used: (Note: If used as barracks or quarters or as galley or messhall, show capacity.)

4. Does structure as now equipped fill its purpose adequately? _____ If not, explain:

6. Recommended rating structure:

<u>Rating</u>	<u>Optimum Condition</u>	<u>Minimum Condition</u>
	<u>Number</u>	<u>Number</u>
BM	1	1
ET	6	3
EN	2	2
RM	1	1
CS	2	1
EM	1	1
SN	6	5

7. Total enlisted personnel recommended - - - - - 19 - - - - - 14