Ind-1 on CO French Frigate Shoals
LTS ltr CG-601-607 dtd 1 Nov 1948

17 December 1948
FILE: oan-607

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

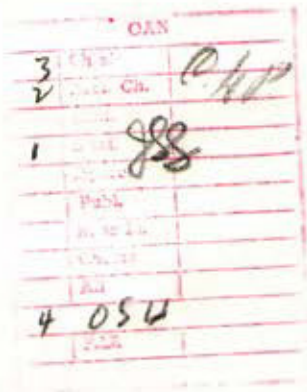
Subj: Loran Station Operational Data Report, comments on, forwarding of.

1. Forwarded

2. No improvement of water supply can be made except by catching rain water. Permanent fire mains not recommended due to life expectancy of this station. Steps will be taken to correct sanitary system deficiencies.

3. With regard to para 3(d) Part II of subject report, Headquarters is advised that there is no definite information at the District Office to show the occupancy status of the Coast Guard Station at French Frigate Shoals, T.H.. It is requested that this office be furnished with this information for inclusion in the District and station copies of subject report.

J. D. CONWAY
Chief of Staff



2649(5)

UNITED STATES COAST GUARD

ADDRESS REPLY TO
CO, CGLTS FrFrigSh
AND REFER TO

1 November, 1948
File: 601, 607

From: Commanding Officer, CGLTS French Frigate Shoals
To: Commandant (OSU-OAN)
Via; Commander, 14th Coast Guard District (o)

Subj: Loran Station Operational Data Report, comments on

1. In accordance with OPERATIONS MEMORANDUM NO. 9-48 the following comments are offered concerning the subject reports:

a. Although the overall report should give a comprehensive representation of a loran station from an operational standpoint, it is believed that more space should be allotted in the form under each paragraph for commanding officers' general comments on the subject of that particular paragraph.

b. Inclosure 5, Structures Form, should contain questions concerning the structures present condition, age, and estimated minimum durability.

c. An additional inclosure should be included in which the commanding officer could make such additional comments and suggestions that are within the scope and intent of thebasic report but which are not definitely included as part of the questionnaire.

2. Pursuant to paragraph 2 of OPERATIONS MEMORANDUM NO. 9, Comdr., 14th Coast Guard District (o) is requested to return one copy each of the subject report and inclosures to this station for the unit files.

W. O. HENRY

Incls: Loran Station Operational Data Report
Inclosures 1 through 8A of the report.

J.S. COAST GUARD
OPERATIONAL DATA REPORT
PART I

1 November 19 48
(date)

1. Reporting Unit: CGLTS, French Frigate Shoals ; 14th Coast Guard District

2. Operations:

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

(1) Rate (s): 2L1
(2) Type of station (slave, monitor, etc.): Slave
(3) Other stations in chain (list): Niihau; Opula Point, 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

1 November 1948
(date)

1. Reporting Unit: CGLTS, French Frigate Shoals; 14th Coast Guard District

2. Location:

(a) Place Name: East Island, French Frigate Shoals, T. H.

(b) Latitude: 23-47-04.7 N ; Longitude: 166-12-39.5 W

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"x10½", is desired.)

(c) Sketch: Prepare, mark "inclosure 3", and append a sketch, 8"x10½", 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)

(1) Coast Guard-owned (fee simple title)? _____
(2) " " " (use and occupation title)? _____
(3) Leased? _____
(4) Occupied on permit? _____
(5) Otherwise occupied, as follows:

(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, cliffs, 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: 1 officers; 14 enlisted.

(c) Maximum berthing and messing capacity of unit, conditional upon provision of additional equipment as listed in "inclosure 6": 2 officers; 20 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: c/o Comdr., 14th Coast Guard District, Box 4010, Honolulu, T. H.

(2) Normal routing of mail and method of delivery (fill in only if beyond Continental U. S.): Through 14CGD Mail room and via logistics vessels to this station.

(3) Normal frequency of delivery: Once every 15 days.

(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--16 days.

(b) Radio:

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

(c) Telephone: None

(1) Number (if connection to commercial exchange):
(2) Other connections to outside points:

(d) Teletype: None

(1) Coast Guard net? _____
(2) Commercial (TWX)? _____
(3) Others (list):

6. Transportation:

(a) General:

(1) Indicate normal method of routing freight and passengers to unit:
Freight: Light freight via IROQUOIS and other logistics vessels
Heavy freight via tender class cutters.

Passengers: Via logistics vessels

(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:

Name	Location	Distance from Unit	Via Vehicle or Boat (show which)	Type of Service	Airlines Serving
Airstrip	Tern Island	6.5 miles	Boat	Irregular (Mail and light supplies during fishing season only)	TRANSAIR HAWAII

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

Name	Location of Anchorage or Ramp	Distance from Unit	Via Vehicle or Boat (show which)	Type of Service	Airlines Serving
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:

Name	Location	Distance from Unit	Via Vehicle or Boat (show which)	Type of Service	RR Lines Serving
None					

(b) Unit's RR freight address:
None

(d) Sea:

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

Name	Location	Distance from Unit	Via Vehicle or Boat (show which)	Type of Service	SS Lines Serving
None					

(2) Anchorages (for ocean-going vessels) in vicinity of unit:
(a) Location: **west of La Perouse Rock**
(b) Controlling depth: **Uncharted ceral pinnacles and reefs.**
(c) Holding ground: **Good. White sand and coral bottom.**
(d) Protection from wind and sea: **Adequate for winds and seas from north to east.**

(e) Average sea conditions: **Number 2 or 3.**

(f) Distance to landing beach or wharf: **4.5 miles.**

(3) Wharf at or near unit for landing supplies by boats:
(a) Location: **None**
(b) Type of construction:
(c) Controlling depth of channel:
(d) Range of tide:
(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:

(h) Normal routes and methods of moving supplies to storage (indicate distance and type of terrain and roads traversed):
100 yards over packed coral sand.

(4) Landing beach at or near unit for landing supplies by boats:
(a) Location: **North end of East Island.**
(b) Nature of beach: **Coral sand.**

(c) Bottom: **Coral sand.**
(d) Slope above and below waterline: **Variable. Approximately 10°.**

(e) Usable length: **100 feet.**
(f) Reefs, etc., limiting access: **Numerous reefs and uncharted coral pinnacles limits access by vessels larger than the LCM types. Access by boat requires a knowledge of sub-surface terrain, reefs, and coral heads.**

(g) Surf and wind conditions affecting use: Surf at landing beach on nortern tip of East Island is usually light except during the winter months with the wind from the north and northeast. Average winds are force 3.

(h) Precautions: Ordinary care to prevent boat from broaching to. Precaution necessary in maneuvering in vicinity of landing beach due to numerous coral heads.

(i) Types of boats suitable for landings: LCVP, LCM, skiffs, monomoys.

(j) Normal routes and methods of moving supplies to storage (indicate distance and type of terrain and roads traversed):
Supplies moved to storage with station vehicle, a 3/4 ton Dodge weapons carrier. Usual distances--100 to 200 yards. Terrain is flat above the landing beach. Surface is hard packed coral sand.

CGLTS, French Frigate Shoals, T. H. (Unit) — 1 November, 1948 (date)

7. Logistics:

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

	Normal Source	Frequency Of Delivery	Via (Method of Delivery)	Alternate Source	Local Source	Remarks
Meat	General messes of logistics by invoice.	Once every 15 days.	Logistics Vessels	None	None	All commissary supplies are ordered by dispatch prior to logistics vessels' departure from Honolulu. Logistics vessels' general messes procure items from NSC Honolulu and invoice them to this station upon arrival.
Dry Provisions	Do	Do	Do	None	None	
Fresh Frts & Vegs	Do	Do	Do	None	None	
Personal Stores (candy, tobacco, etc.)	14CGD SSS or by individual purchase from logistics vessels.	Do	Do	None	None	
Clothing	Logistics vessels	Do	Do	None	None	
Fuel	NSC, Pearl Harbor; diesel fuel from diesel vessels	As required each logistics trip.	Do	None	None	The understood intent is to have the KUKUI deliver year's supply of all fuels once per year.
Machinery Parts	CG Base, Honolulu, T.H.	Do	Do	Logistics vessels	None	
Electronic Parts	CG Base, Honolulu, T.H.	Do	Do	None	None	

(b) Indicate source, method, and adequacy of water supply: Distillers only. Inadequate because of unreliability of Cleaver-Brooks type distillers.

(c) Indicate source, method, and adequacy of electric power supply, including emergency supply: Split 220 v. AC supplied by PE-205-B diesel alternators. Four such alternators on station. One will carry the present required load. Adequate. No emergency supply--none necessary.

(d) Storage space:

	Cu. Ft.	Adequate?	Additional Required
Frozen Storage:	150	Yes	None
Chilled Storage:	150	Yes	None
Fresh Frts & Vegs: (except chilled)	0	Yes	Fresh items must be stored in chill box to prevent spoilage.
Dry Provisions:	280	Yes	None

	Gallons	How Stored	Adequate?	Additional Required
Drinking Water	9000	Wooden tanks.	Yes	None
Diesel Oil	26950	55 Gal. Drums	Yes	None
Gasoline	1870	Do	No	4730 Gal. for year.
Kerosene	1540	Do	No	1760 Gal. for year.
Coal (Tons)	None			
Oil, lube. 9250	990	Do	Yes	None

(e) Fuel requirements, annual; List:
Diesel oil 16,000 gal
Gasoline 6600 gal
Kerosine 3300 gal
Lube oil 9250 660 gal

(f) Comment on adequacy of existing method of procuring, handling and storing supplies: Electronic supplies excellent both as to quantity and expedition. GSK stores--slow. Building materials--slow. Commissary stores satisfactory.

8. Security:

(a) Describe provisions made and measures being taken to limit access to the unit (fences, gates, security watches, etc.): None. Unnecessary at this station

(b) Are these provisions and measures adequate? Yes If not, explain:

(c) Is trespass or attempted trespass by unauthorized persons considered likely? Explain: No. Station is completely isolated. Fishermen at Tern Island seldom come to station except when invited.

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

Allowed	On Board	Adequate?	Remarks
Allowance established by C14CGD	2 Cal. .30, M-1 4 Cal. .45, M1911A1 1 12 Ga. Shotgun	Yes Yes Yes	Full allowance of small arms unnecessary and would serve only to impose an additional maintenance problem.

(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:

On Board	Operative?	Adequate?	Remarks
Fire pump with 2½" and 1½" hose	Yes	No	Permanent fire mains should be installed.
17 15 lb. CO_2	Yes	Yes	
7 Foamite	5. 2 need charging	Yes	

(g) Are fire mains well-located and operative? None If not, explain:
Salt water fire system consists of centrally located Hale-Chrysler fire pump with permanent 3" intake from sea and 2½" hose connected and faked down ready to be led to scene. Y-Gate is connected to 2½" line and two 1½" lines are led from it.

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

(h) What type of fire watch is maintained? No regular fire watch maintained. Security inspection made at 2200 by senior petty officer who reports to CO. Scopemen going on watch make inspections during the night.

(i) What firefighting assistance from other sources may be depended upon?
None

9. Sanitation and Health:

(a) Drinking water:

(1) What precautions are taken to insure that the supply is fit to drink?
All water is distilled and fed directly to wooden storage tanks.

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

(b) Garbage:

(1) How is garbage disposed of? By dumping into sea.

(2) Is this method satisfactory? Yes If not, explain:
Heavy current running along western shore takes garbage out to sea.

(c) Sanitary System:

(1) Are adequate lavatories, bathtubs, showers, waterclosets, sinks, laundry tubs, etc., available and operative? No If not, explain:
Toilets once provided for crew have since corroded out. Water closets have been removed from crew's quarters. Crew uses outhouse built on stilt piles over water about 50 feet from shore.

(2) How is sewage disposed of? Drained into sea.
Is this method satisfactory? Yes. If not, explain:

(d) Refuse matter:

(1) What precautions are taken to prevent propagation and spread of disease germs from refuse matter? Refuse matter is not permitted to accumulate.

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

(e) Insect pests:

(1) What precautions are taken to safeguard personnel against insect pests?
Continuous of insecticides, DDT, and sodium fluoride powder against flies and cockroaches.

(2) Are these precautions considered effective? No If not, explain:
Because of many openings in huts vapor type insecticide cannot be sufficiantly concentrated to be toxic to flies and cockroaches. Cockroach habitations are inaccessible between inner and outer sheeting of quonset huts precluding a completely effective use of powders.

(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.)

See Inclosure 7

(g) Medical aid:

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

Distant 550 miles via **plane or logistics vessels.**

(2) Nearest regularly authorized source of professional medical treatment

Distant 550 miles via
Describe employment status of physician (U.S.P.H.S. officer; civilian contract physician, full time or part time, etc.)

USPHS Officer

(3) Nearest regularly authorized source of professional dental treatment

Distant 550 miles via **logistics vessels**
Describe employment status of dentist:
USPHS Officer

(4) Are services furnished as indicated in (1), (2) and (3) above satisfactory? No . If not explain: **These services would not be satisfactory in case of an affliction requiring immediate attention. Injured personnel requiring emergency treatment must be removed from station by plane and transported to Honolulu requiring approximately a time lag of eight hours.**

(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?
Commanding Officer and senior petty officers. Not on authorized complement but not on board.

Are these adequate? **Yes** If not, explain:

(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.)

None

10. Welfare:

(a) Family quarters:

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

(2) Are these adequate? If not, explain:
None available.

(3) Are privately owned rental quarters available in the area in quantities sufficient to meet the unit's reasonable needs?
None available

(b) Recreation:

(1) What types of recreation and what recreational facilities are available at the unit? (Underscore most popular types).
Movies, 16MM
Hobbycraft
Magazines
Canteen
Fishing
Swimming
Football, Baseball, Volleyball
Amateur radio. (License not received yet but applied for)

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

Pool table, Ping-pong table, and ice cream machine. Sufficient space available at present for ice-cream machine only.

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

None other than fishing and swimming facilities.

U.S. COAST GUARD
OPERATIONAL DATA REPORT
PART III

1 November, 1948
(date)

1. Reporting unit: CGLTS, French Frigate Shoals; 14th Coast Guard District

2. Work Load Estimates:

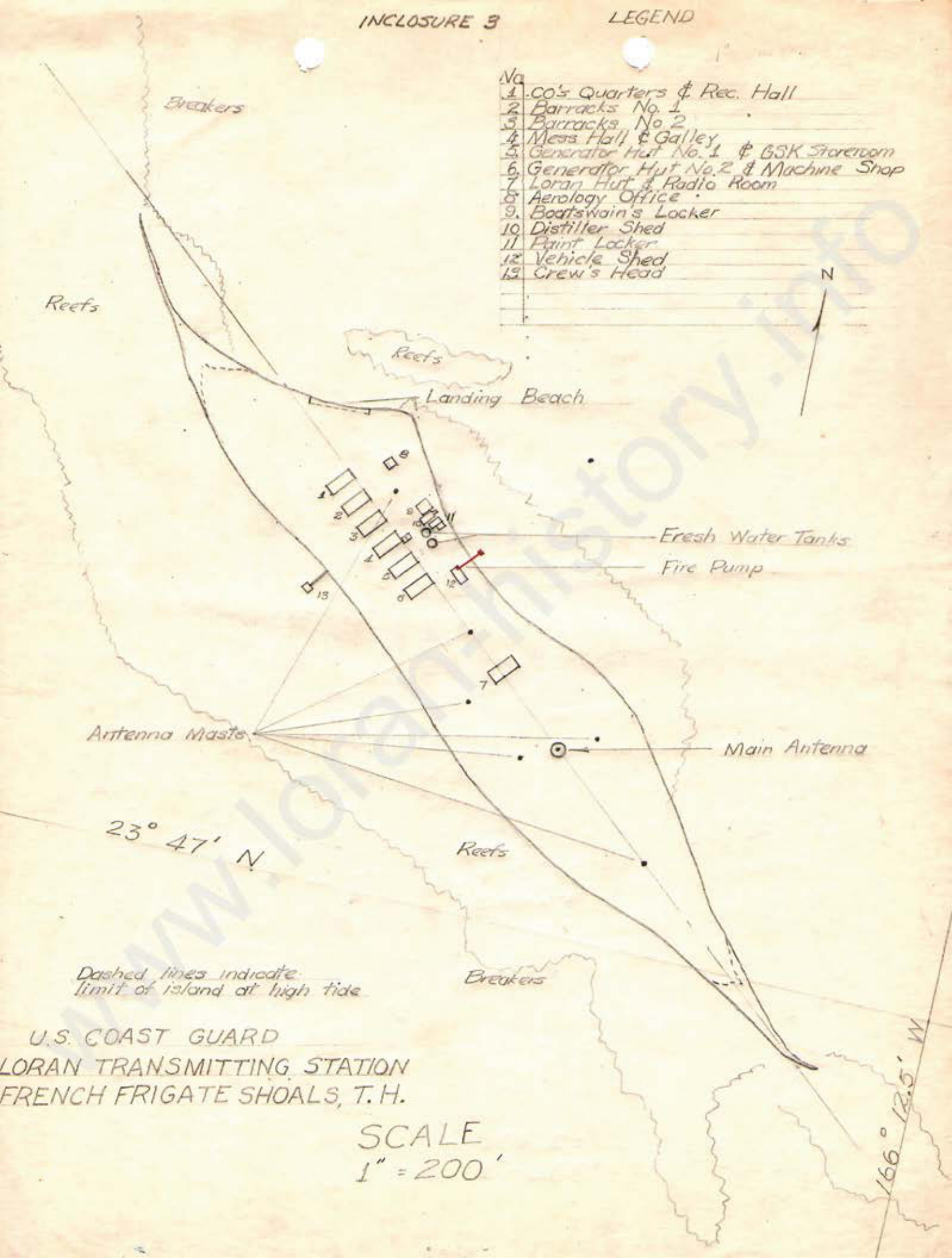
(a) As applied to work-loads in inclosure 8 of this report, the term "optimum condition" shall mean "work-load imposed by performance of the unit's assigned tasks, including normal maintenance of unit and equipment"; "minimum condition" shall mean "work-load imposed by performance of the unit's assigned 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.)

INCLOSURE 2

NO PHOTOGRAPHS AVAILABLE AT THE STATION.

INCLOSURE 3



Dashed lines indicate limit of island at high tide

U.S. COAST GUARD
LORAN TRANSMITTING STATION
FRENCH FRIGATE SHOALS, T.H.

SCALE
1" = 200'

INCLOSURE 4

PHYSIOGRAPHY

East Island is located in an atoll known as French Frigate Shoals in the Territory of Hawaii at 23-47-04 N, 166-12-39 W, approximately 550 nautical miles WNW of Honolulu, T. H. The loran transmitting station known as CGLTS, French Frigate Shoals occupies the entire sand strip, East Island, which is approximately 1800 feet long in a northwest-southeast line and about 300 feet wide at its broadest point. The maximum height above mean low water is about 6 feet. The dimensions and shape of the island are variable depending upon the prevailing winds and currents for a particular time of year.

The prevailing winds are the trades ordinarily of force 3. Winds are generally easterly from NE to SE and during the summer months are usually ESE. During the past twelve months the maximum wind force as observed in the station log was force 6, minimum, force 0.

The annual average temperature is about 75° F. Records for the past twelve months indicate that the maximum was 82° F. and the minimum 64° F.

The direction of the swells is variable being altered by the numerous reefs, shoals, and islands that make up the atoll. Seas average a number 2 or 3.

Rainfall is plentiful in the area, and although there are no figures available, the annual rainfall is probably in the neighborhood of 50 inches.

The island is surrounded by reefs, coral ledges, and submarine pinnacles. East Island itself is composed of coral sand and an occasional piece of block coral. The maximum slope of the beach is 20° above and below the water's edge; however, the landing beach slopes for a distance of 30 yards at an angle of about 10°--sometimes only 7°. Beach sands are subject to erosion by wind and wave as mentioned above.

There is no fresh water available on the island except that which can be manufactured. Three test wells have been driven, the maximum depth obtained with well points, the type that are supplied with Cleaver-Brooks thermo-compression stills, was thirty feet at which point a shelf of rock or block coral was struck. All wells yielded salt water at a depth of 10 feet below the island surface.

There are no trees or bushes of any kind on the island. Vegetation consists of sword grass and burr grass only. It is possible to grow potatoe vines and tomatoes in this type of soil, however.

Several different species of birds inhabit the southeastern end of the island at different seasons of the year. The gooney and moaning birds nest on that end of the island which is furthest removed from the living quarters and can be seen in huge flocks during the months of June and July disappearing for the remainder of the year. The birds leave their mark in the form of holes burrowed into the sand which they use for nesting purposes. Terns and sandpipers inhabit the island the year around. Sea

turtles also come up to the island during the egg season and burrow into the sands depositing their eggs and then departing. A particular nuisance are the turtles because they are the principal cause of breaking and deranging the main radiator ground system.

Of particular interest to the Coast Guard is the landing strip at Tern Island, about 6.5 miles NNW of East Island. At present, Agard and Son, a fishing concern with offices in Honolulu, leases the island from the government. Agard's son, Louis, occupies Tern Island with some fifteen or twenty fishermen during the height of the fishing season. He stores his fish in reefers on the island and flies them into Honolulu when he has sufficient fish for a plane load. TransAir Hawaii is the carrier. La Perouse Rock is of interest to the personnel stationed at the loran station because of the numerous fish that abound in the waters adjacent to the rock at certain seasons of the year affording a fine source of recreation.

Of great concern to the personnel located on Tern and East Island is the particular susceptibility of the atoll to tidal waves. Although the shoals tend to break up any waves coming from the east, they would, by the same token, pile up tidal waves originating to the west of this location. The tidal wave of 1946 flooded East Island and caused considerable corrosion damage.

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:

U. S. COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM; Inclosure 5A

1 November, 1948

BLDG. NO. 1

CGLTS French Frigate Shoals

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

   COMMANDING OFFICER'S QUARTERS AND RECREATION HALL

2. Cubic capacity: One story structure (20' x 48' Quonset hut)

   17540 cu. ft.

3. Purpose for which used:

   Officer's Quarters. Capacity: 2 Officers.
   Recreation Hall. Capacity: 22 Men for movies, etc.

4. Does structure as now equipped fill its purpose adequately?

   Yes.

U. S. COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM; Inclosure 5B

1 November, 1948

BLDG. NO. 2

CGLTS French Frigate Shoals

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

   BARRACKS NO. 1

2. Cubic capacity: One story structure (20' x 48' Quonset hut)

   17540 cu. ft.

3. Purpose for which used:

   Enlisted men's barracks. Capacity: 10 men when fully equipped.

4. Does structure as now equipped fill its purpose adequately? NO If not, explain?

   Sanitary facilities as now installed are insufficient for 10 men. All fresh water lines should be renewed. Two toilet bowls and salt water flushing system should be installed.

U. S. COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM; Inclosure 5C

1 November, 1948

CGLTS French Frigate Shoals

BLDG. NO. 3

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

   BARRACKS NO. 2

2. Cubic capacity: One story structure (20' x 48' Quonset hut)

   17540 cu. ft.

3. Purpose for which used:

   Enlisted men's barracks. Capacity: 10 men when fully equipped.

4. Does structure as now equipped fill its purpose adequately? NO If not, explain:

   Sanitary facilities as now installed are insufficient for 10 men. All fresh water lines should be renewed. Two toilet bowls and salt water flushing system should be installed. Additional bunks and lockers should be moved in.

U. S. COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM; Inclosure 5D

1 November, 1948

CGLTS French Frigate Shoals

BLDG. NO. 4

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

   MESS HALL AND GALLEY

2. Cubic capacity: One story structure (20' x 48' Quonset hut)

   7540 cu. ft. (total)
   2830 cu. ft. (Mess Hall)
   3770 cu. ft. (Galley)
   940 cu. ft. (Commissary storeroom)

3. Purpose for which used:

   Mess hall for officers and enlisted men. Capacity: 20 men and 2 officers when fully equipped.

4. Does structure as now equipped fill its purpose adequately? NO If not, explain:

   Additional mess table and benches must be installed to seat 20 men.

U. S. COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM; Inclosure 5E

1 November, 1948

CGLTS French Frigate Shoals

BLDG. NO. 5

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

   GENERATOR HUT NO. 1 AND GSK STOREROOM

2. Cubic capacity: One story structure (20' x 48' Quonset hut)

   7540 cu. ft. (total)
   3770 cu. ft. (GSK Storeroom)
   3770 cu. ft. (Generator Room)

3. Purpose for which used:

   GSK Storeroom and Generator Room

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

U. S. COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM; Inclosure 5F

1 November, 1948

CGLTS French Frigate Shoals

BLDG. NO. 6

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

GENERATOR HUT NO. 2 AND MACHINE SHOP

2. Cubic dapacity: One story structure (20' x 48' Quonset hut)

7540 cu. ft. (total)
3770 cu. ft. (Machine Shop)
3770 cu. ft. (Generator Room)

3. Purpose for which used:

Machine Shop and Generator Room

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

U. S. COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM; Inclosure 5G

1 November, 1948

CGLTS French Frigate Shoals

BLDG. NO. 7

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

   LORAN HUT

2. Cubic capacity: One story structure (20' x 48' Quonset hut)

   7540 cu. ft. (total)
   288 cu. ft. (Radio Room)
   933 cu. ft. (Scope Room)
   3770 cu. ft. (Transmitter Room)
   2549 cu. ft. (Storage space and Electronics Workshop)

3. Purpose for which used:

   Loran scope and transmitter rooms; radio room; electronics storerooms and workshop.

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

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1 November, 1948

CGLTS French Frigate Shoals

BLDG. NO. 8

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

AEROLOGY OFFICE

2. Cubic capacity: One story structure of local construction.

1800 cu. ft.

3. Purpose for which used:

For stowage of weather instruments and tables. For assembling data for daily weather reports to Fleet Weather Central, Pearl Harbor.

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

U. S. COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM; Inclosure 5I

1 November, 1948

CGLTS French Frigate Shoals

BLDG. NO. 9

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

   BOATSWAIN'S LOCKER

2. Cubic capacity: One story structure of local construction

   4800 cu. ft.

3. Purpose for which used:

   For stowage of blocks, lines, tackle and appurtenances commonly associated withrigging. For stowage of spare pipe fittings and tools. For stowage of shovels, buckets, scrubbers, etc. For stowage of carpenter's tools.

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

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1 November, 1948

CGLTS French Frigate Shoals

BLDG. NO. 10

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

   DISTILLER SHED

2. Cubic capacity: One story structure of local construction.

   6500 cu. ft.

3. Purpose for which used:

   Houses two (2) Cleaver-Brooks thermo-compression stills and spare parts for same.

4. Does structure as now equipped fill its purpose adequately. NO If not, explain:

   Shed was constructed by the station personnel some time within the last two years avowedly for the purpose of protecting distillers and operators from the weather. It does not fulfill its purpose because it leaks very badly. The present intent is to repair this shed when the opportunity presents itself.

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1 November, 1948

CGLTS French Frigate Shoals

BLDG. NO. 11

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

   PAINT LOCKER

2. Cubic capacity: Two story structure about 3½ years old.

   1500 cu. ft. (useful capacity)

3. Purpose for which used:

   For stowage of paints, varnishes, turpentine, and oils. Fresh water pressure syst.

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

U. S. COAST GUARD
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1 November, 1948

CGLTS French Frigate Shoals

BLDG. NO. 12

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

   VEHICLE SHED

2. Cubic capacity: One story open faced structure of local construction.

   5930 cu. ft.

3. Purpose for which used:

   For stowage of weapons carrier. Houses station fire pump (stationary)

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

U. S. COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM; Inclosure 5M

1 November, 1948

CGLTS French Frigate Shoals

BLDG. NO. 13

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

   CREW'S HEAD

2. Cubic capacity: One story structure built on stilt piles

   100 cu. ft.

3. Purpose for which used:

   For crew's head

4. Does structure as now equipped fill its purpose adequately. NO If not, explain:

   Structure was erected when crew's sanitary lines from each barracks either corroded or became clogged or both. It is unsatisfactory from the standpoint of sanitation, convenience, and morale.

INCLOSURE 6

ADDITIONAL ITEMS REQUIRED TO ATTAIN MAXIMUM BERTHING AND MESSING CAPACITY

QUANTITY	DESCRIPTION
1	Chest of Drawers, Officer's, wooden
1	Locker, Officer's, wooden
5	Mattresses, Crew's
1	Table, mess, Crew's, wooden
5	Lockers, Crew's, wooden
5	Bunks, Crew's, wooden
2	Benches, mess, Crew's, wooden
4	Toilet bowls, installed
1	Salt water flushing system, installed
1	Cistern and rain catching system, installed

INCLOSURE 7

(1) Typhoid, tetanus, small pox vaccination.

(2) All required innoculations have been administered to personnel now on board.

(3) Ailments and afflictions at this station are negligible. Head and chest colds are non-existent except when transferred to the island by transient personnel. Exclusive of dental maladies, the only other afflictions that have been noticed are constipation, athlete's foot, and prickly heat.

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OPERATIONAL DATA REPORT
WORK LOAD ESTIMATES: Inclosure 8 ~~(sample)~~

1 November, 1948
(date)

CGLTS, French Frigate Shoals
(unit)

For (unit CGLTS, French Frigate Shoals) Strike out one which
For (~~additional facility:~~ _____) does NOT apply

	Optimum Condition (average Man-hrs/week	Minimum Condition (average Man-hrs/week)
1. Operational Watchstanding:		
(a) Scope	168	168
(b) Communications	28	14
(c) Duty technician	168	168
(d) Duty mechanic	168	168
(e) Security	56	7
(f)		
(g)		
(h)		
2. Maintenance & Repairs: (excess work load over such work performed by watchstanders, item 1, above).		
(a) Materiel, buildings, grounds, boat, etc.	175	20
(b) Engineering	90	56
(c) Electronics	45	10
(d)		
(e)		
3. Station services:		
(a) Mess; operation of	80	80
(b) Stores; procurement/handling of	4	2
(c) Correspondence/records; preparation/handling of	40	40
(d) Training and drills	2	0
(e) Medical	12	0
(f) Boat duty	4	2
(g) Distiller operation	16	16
(h)		
4. Ineffective time:		
(a) Sick (including travel time)	0	0
(b) Absent, temp. duty (incl. travel time)	20	0
(c) Leave (including travel time)	0	0
(d) Liberty	0	0
(e) Vacancy (detachment prior arrival of relief)	168	0
(f)		
5. Total man-hrs/week:	1244	767

INCLOSURE 8A

CGLTS, French Frigate Shoals (Unit) — 1 November, 19 48 (date)

6. Recommended rating structure:

Rating	Optimum Condition Number	Minimum Condition Number
ET	6	4
EN	2	2
CS	2	1
RM	1	1
SN	5	3
FN	2	0
HM	1	0
BM	1	0

7. Total enlisted personnel recommended - - - - - 20 - - - - - 11