

CO, CGLTS, KWADACK to  
COMMANDANT (OSU-OAN) via  
Commander, 14th Coast Guard District

7-8  
U.S. COAST GUARD DISTRICT - OSU-OAN 601, 607  
MAIL & TELE. SECTION 18 October 1948  
RECEIVED NOV 19 1948 (8)

5. It is hoped that the above comments are what is desired in paragraph 2 of reference (a).

*L.D. High*  
L.D. HIGH

RECEIVED

Inclosure: Operational Data Report, CGLTS, KWADACK

CC: Commander 14th Coast Guard District.

NOV 19 1948

OPERATIONS  
AIDS TO NAVIGATION DIV.

17 November 1948

Ind-1  
Comdr. 14thCGD

From: Commander 14th Coast Guard District  
To: Commandant (Osu-oan)

Subj: Operational Data Report, forwarding of.

1. Forwarded.

2. Referring to para 3(b) Part II of subject report and para 2 above, Headquarters is advised that only one photograph is available. The negatives of all pictures of this station were forwarded to Public Information Office, Coast Guard Headquarters on about 15 February, 1948. It is requested that two copies of each print used by Headquarters be furnished to this office for including in the District copy and station copy of subject report.

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 Kwadack. It is requested that this office be furnished this information for inclusion in basic report.

*H. A. Meyer*  
H. A. MEYER

CFI for action:  
Please attach one  
copy to this report  
also.

*JS*

*OSU  
14th CGD  
14th CGD*

UNITED STATES COAST GUARD



ADDRESS REPLY TO  
 Commanding Officer  
 CGLTS ,Navy 824, F.P.O.  
 AND REFER TO San Francisco, Calif.

OCT 29 1948  
 18 October 1948  
 DISTRICT OFFICE OSU-OAN 601,  
 607

From: Commanding Officer, CGLTS, KWADACK  
 To: COMMANDANT (OSU-OAN)  
 Via: Commander, 14th Coast Guard District

Subj: Operational Data Report, submission of

Ref: (a) Operational Memorandum No. 9-48

1. In accordance with reference (a) the inclosed report is submitted. Since reference(a) indicated no specific date of submission, it was assumed that the report was required as soon as possible.
2. Inclosure 2 to basic report is omitted due to the lack of photographic equipment on the station. It is requested that the District furnish these photographs, if possible.
3. Inclosure 3 is submitted in indelable pencil since the climatic condition made it almost impossible to make a presentable ink drawing. An ink tracing made of the above inclosure would improve the permanency of the report.
4. It is believed that the form is a complete concise report of the station but in a few cases there was not sufficient space to explain the situation completely. However it is hoped that sufficient information is given in all cases to give Headquarters and the District a good idea of the station's operational characteristics. It is suggested that since the moral of the station personnel on isolated stations is of the greatest importance that a section should be set aside for the comment of the Commanding Officer regarding living and recreational facilities on the station and how they can be improved. For example:

It is the opinion of the Commanding Officer that with a small expense to the Government , additional or improved recreational facilities could be added to the station such as: (1) Regularly overhauling or replacing movie equipment to insure that the movies as shown can be completely enjoyed. (2) Make permanent a court of cement for playing of basketball, badminton, volleyball, tennis, etc. to replace dirt court now on station. (3) Authorize the building of a sail boat with materials on hand at the station. (4) Regularly supply station with varied types of hobby kits and urge C.O. to stir up an interest in same, etc.

U.S. COAST GUARD  
OPERATIONAL DATA REPORT  
PART I

18 October 1948  
(date)

1. Reporting Unit: CGLTS KWADACK, KWAJALEIN ATOLL 14th Coast Guard District

2. Operations:

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

(1) Rate (s): **2-L-2**

(2) Type of station (slave, monitor, etc.): **Single Slave Station**

(3) Other stations in chain (list):

**Roguron Island, Majuro Atoll (Double master) 2 - L - 2 and 2 - L - 3**  
**Bikati Island, Makin Atoll (Single Slave) 2 - L - 3**

(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):

**Communication Group Control Station  
for the Marshall Loran Group.**

**Additional schedules with  
Navy on 2716 Kcs. at 0000Z,  
0200Z, 0400Z, 0600Z, 0800Z,  
2000Z, 2200Z, Daily**

U. S. COAST GUARD  
OPERATIONAL DATA REPORT  
PART II

18 October 1948  
(date)

1. Reporting Unit: CGLTS KWADACK, KWAJALEIN ATOLL 14th Coast Guard District

2. Location:

(a) Place Name: Kwadack (Augustine) Island, Kwajalein Atoll, Marshall Islands.

(b) Latitude: 9°-01'-16" North ; Longitude: 167°-43'-45" East

3. Site:

09°-00'-52.35"

167°-43'-52.42"

(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)

Para 3(d) Part II

No information is available at the 14th Coast Guard District office to show occupancy status- see District indorsement para 3 to Kwadack forwarding letter 18 October, 1948 (601-607)

(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.)

**U SCGLTS KWADACK,  
KWAJALEIN ATOLL**  
(unit)

**18 October 1948**  
(date)

- (b) Berthing and messing capacity of unit as now equipped: three officers;  
twenty enlisted.
- (c) Maximum berthing and messing capacity of unit, conditional upon provision of additional equipment as listed in "inclosure 6": three officers;  
thirtyfive 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: **U.S. COAST GUARD LORAN TRANSMITTING STATION  
Navy 824 , Fleet Post Office, San Francisco , Calif.**
- (2) Normal routing of mail and method of delivery (fill in only if beyond Continental U. S.): **By plane from San Francisco to Kwajalein and from Honolulu to Kwajalein and by logistic vessel from Kwajalein to Kwadack.**
- (3) Normal frequency of delivery: **Regularly once every two week and occasionally twice every two weeks depending on the logistic vessel entirely.**
- (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.):  
**Eight to Ten days.**

(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: **Navy transport plane or by Navy surface vessel to Kwajalein and by logistic vessel to Kwadack.**

**Coast Guard Plane (Once every three weeks on the average)**

Passengers: **Coast Guard plane or occasionally MATS to Kwajalein and by logistic vessel to Kwadack.**

*Is this Navy or CG logistic vessel?*

- (2) Are indicated methods reliable? Yes Adequate? No  
 If unreliable or inadequate, indicate why and, if possible, recommend more satisfactory routing: **Infrequent trips by Coast Guard Plane makes excessive layover for personnel.**

**Increase number of trips of Coast Guard Plane, or arrange transportation MATS**

(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>
Navy Air Station	Kwajalein	18 Miles	Boat	Coast Guard	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>
Navy Air Station	Kwajalein	18 miles	Boat	Navy	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	None	None	None	None	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>
NOB	Kwajalein	18 Miles	Boat	Navy	None

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

- (a) Location: **Kwajalein**
- (b) Controlling depth: **30 feet**
- (c) Holding ground: **Coral**
- (d) Protection from wind and sea: **Well protected from sea by Coral Atoll , little protection from wind.**
- (e) Average sea conditions: **Zero to One. No swell to Moderate swell**

(f) Distance to landing beach or wharf: **15 to 18 miles.**

(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: None ; depth of water at MLW None
- (f) Length of berths alongside: None ; depth of water at MLW None
- (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: **Kwadack, southwest corner of island.**
- (b) Nature of beach: **Conditions changing with weather, varies from coral rock to sandy beach.**
- (c) Bottom: **Coral Bottom**
- (d) Slope above and below waterline: **1 foot rise in every 6 feet above. 4 to 1 for 100 foot shelf then drops off to 108 feet**
- (e) Usable length: **50 feet**
- (f) Reefs, etc., limiting access: **Reefs extending either side of 50 foot area.**

(g) Surf and wind conditions affecting use: **Very little surf and wind.**

(h) Precautions: **Red visual range markers (red pole and main radiator) constructed on island. Landing craft must hit beach on range.**

(i) Types of boats suitable for landings: **Landing craft and small pulling boats.**

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

**100 feet carried by hand from boat to weapons carrier, then 400 feet by weapons carrier to store room. Coral sand and gravel roadways, condition good.**



CGELTS KWADACK  
(Unit)

18 October 19 46  
(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
<u>Meat</u>	Navy supply Depot Kwajalein	once every two weeks	Logistics vessel	None	None	None
<u>Dry Provisions</u>	Navy supply Depot Kwajalein	Once every two weeks	Logistics Vessel	None	None	None
<u>Fresh Frts &amp; Veggies</u>	Navy supply Depot Kwajalein	Once every two weeks	Logistics Vessels	None	None	None
<u>Personal Stores</u> (candy, tobacco, etc.)	Navy supply Depot Kwajalein	Once every two weeks	Logistics vessel	None	None	None
<u>Clothing</u>	Navy supply Depot Kwajalein	Once every two weeks	Logistics vessel	None	None	None
<u>Fuel</u>	Navy supply Depot Kwajalein	Twice a Year	Logistics vessel	None	None	None
<u>Machinery Parts</u>	Comdr 14th Honolulu	Normal freight and mail Delv.	Logistics vessel	None	None	None
<u>Electronic Parts</u>	Comdr 14th Honolulu	Normal freight and mail Delv.	Logistics Vessel	None	None	None

(b) Indicate source, method, and adequacy of water supply:

**Rain water , Distilled Sea water**  
**Distillation unit (83 gallons per hour capacity)**  
**Water supply adequate.**

(c) Indicate source, method, and adequacy of electric power supply, including emergency supply:

**Source is Four Main Generators (PE-205-B) Power supply adequate.**  
**Emergency power supply is Kohler Electric Plant (Communications only).**

(d) Storage space:

	<u>Cu. Ft.</u>	<u>Adequate?</u>	<u>Additional Required</u>
<u>Frozen Storage:</u>	<u>150 CU. FT.</u>	<u>Yes</u>	<u>None</u>
<u>Chilled Storage:</u>	<u>150 cu. ft.</u>	<u>Yes</u>	<u>None</u>
<u>Fresh Frts &amp; Vegs:</u> (except chilled)	<u>None</u>	<u>-----</u>	<u>None</u>
<u>Dry Provisions:</u>	<u>900 cu. ft.</u>	<u>Yes</u>	<u>Yes</u>

	<u>Gallons</u>	<u>How Stored</u>	<u>Adequate?</u>	<u>Additional Required</u>
<u>Drinking Water</u>	<u>9540</u>	<u>Wooden and Metal tanks</u>	<u>Yes</u>	<u>None</u>
<u>Diesel Oil</u>	<u>Drums only</u>	<u>Drums only</u>	<u>Yes</u>	<u>None</u>
<u>Gasoline</u>	<u>Drums only</u>	<u>Drums only</u>	<u>Yes</u>	<u>None</u>
<u>Kerosene</u>	<u>Drums only</u>	<u>Drums only</u>	<u>Yes</u>	<u>None</u>
<u>Coal (Tons)</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>

(e) Fuel requirements, annual; List:  
**Diesel Oil-- 28,000 gallons annual**  
**Gasoline-----1600 gallons annual**  
**Kerosene-----1300 gallons annual**

(f) Comment on adequacy of existing method of procuring, handling and storing supplies: **Procurement of supplies is very poor due to the isolated condition of the station. The mail being the most expeditious means of obtaining small parts arrives regularly each two weeks. Other supplies are received anywhere from two months to four months after being ordered. The handling of supplies to the island has to be by landing craft but after supplies are landed the weapons carrier is sufficient transportation for most supplies. Storage is no Problem.**

(a) Describe provisions made and measures being taken to limit access to the unit (fences, gates, security watches, etc.):  
**None. Unit is Isolated 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. No unauthorized persons on island or in near vicinity.**

(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>
30 Cal. M1 Rifle	6	6	Yes	1800 rounds on hand
45 Cal. Automatic pistol	6	6	Yes	1000 rounds on hand
22 cal. Rifle	1	1	Yes	2100 rounds on hand
12 gauge shotgun	1	1	Yes	200 rounds on hand

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

(f) Firefighting equipment at unit:

	<u>On Board</u>	<u>Operative?</u>	<u>Adequate?</u>	<u>Remarks</u>
Hand Extinguishers				
7 1/2 Pounds	11	11	Yes	None
CO 2 -15 lbs	12	10	Yes	None
Chrysler Hale Fire Pump	1	1	Yes	Provides 150 PSI Pressure for Fire Main

(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?

**Routine fire watch every four hours with change of Loran watches.**

(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?

**Water circulated thru PUB-O-PUMPER (Portable water treatment Plant)**

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

(b) Garbage:

(1) How is garbage disposed of? Disposed of at other end of island (1200 feet from living area. Disposed of by burning.

(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? Yes If not, explain:

(2) How is sewage disposed of? Septic Tank  
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? None and none necessary.

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

(e) Insect pests:

(1) What precautions are taken to safeguard personnel against insect pests? Buildings are screened. Necessary insect spray available for spraying inside buildings.

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

- (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: **U.S. Naval Dispensary Kwajalein 18 Miles distances.**  
Distant 18 miles via **Navy Crash Boat or Logistics Vessel (CG)**
- (2) Nearest regularly authorized source of professional medical treatment  
**U.S. Naval Dispensary Kwajalein**  
Distant 18 miles via **Navy Crash Boat or Logistics Vessel (CG)**  
Describe employment status of physician (U.S.P.H.S. officer; civilian contract physician, full time or part time, etc.)  
**U.S. Navy Doctor**
- (3) Nearest regularly authorized source of professional dental treatment  
**U.S. Naval Dispensary Kwajalein**  
Distant 18 miles via **Navy Crash Boat or Logistics Vessel (CG)**  
Describe employment status of dentist:  
**Navy Dentist**
- (4) Are services furnished as indicated in (1), (2) and (3) above satisfactory? Yes. If not explain:
- (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?

**Station authorized EM 1**

**Sick Bay in operation**

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? None

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

**No Quarters provided**

- (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, Swimming, Fishing, PingPong, Playing Cards, Dominoes, Baseball  
Softball, Volleyball, Badminton, Record Player, Radios, Reading, Basketball.

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

**SAILING**

- (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

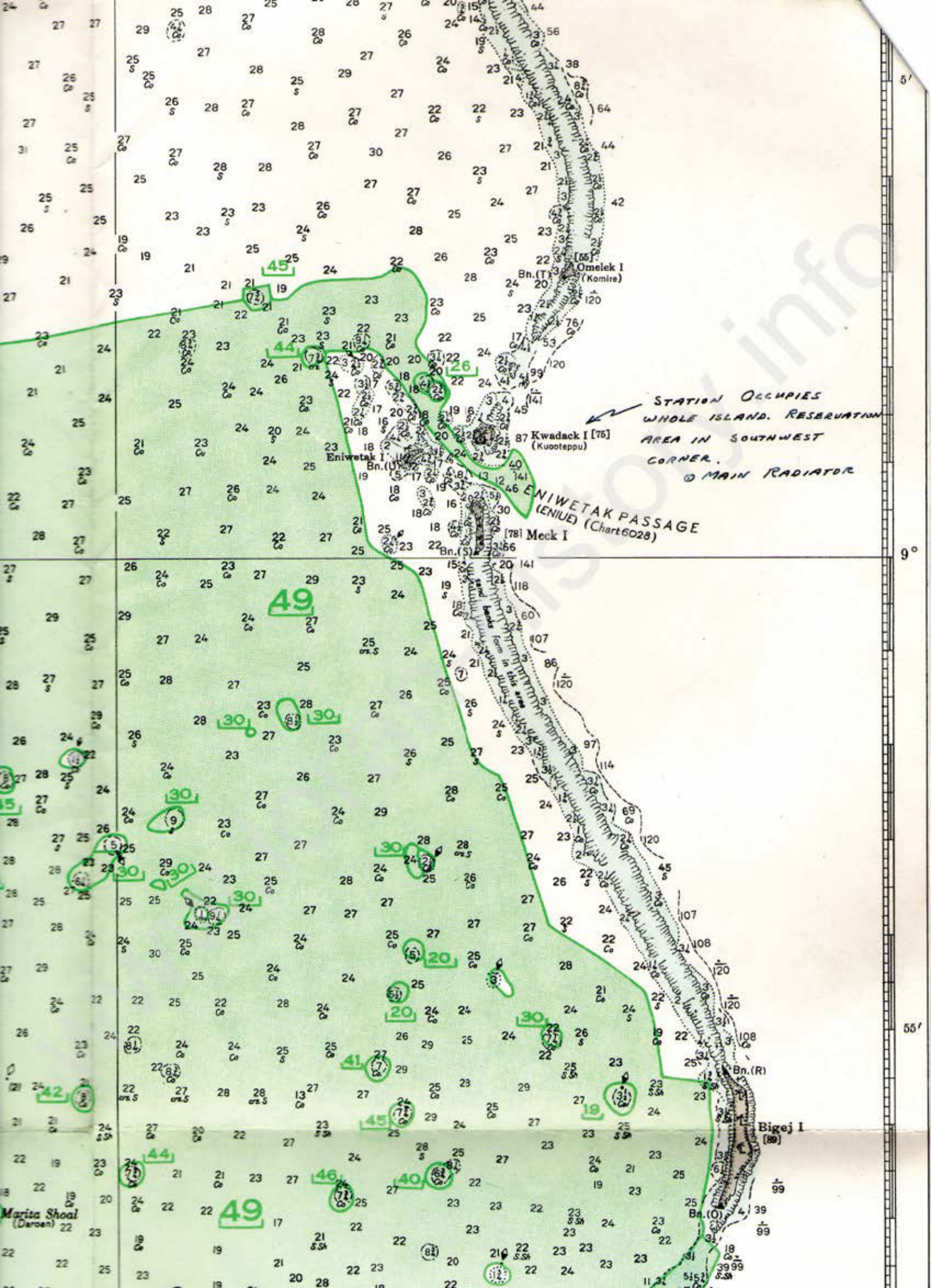
18 October 1948  
(date)

1. Reporting unit: CGLTS KWADACK, ; 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.)





STATION OCCUPIES  
WHOLE ISLAND. RESERVATION  
AREA IN SOUTHWEST  
CORNER.  
MAIN RADIATOR

ENIWETAK PASSAGE  
(LENIUE) (Chart 6028)

87 Kwadack I [75]  
(Kuoteppu)

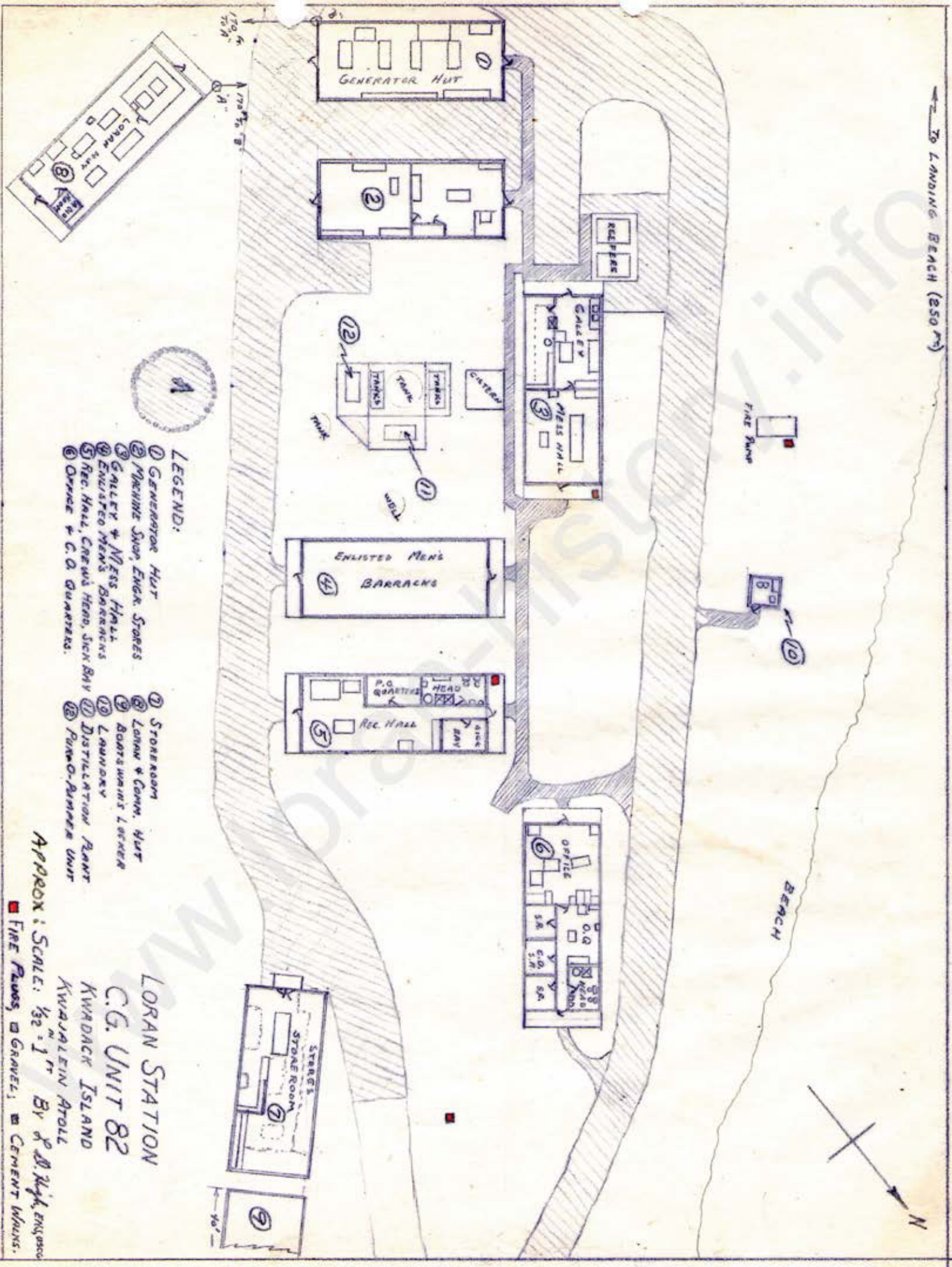
[78] Meck I

Bigej I [80]

Marita Shoal  
(Dooan)

5151

TO LANDING BEACH (250 M)



LEGEND:

- ① GENERATOR HUT
- ② MARINE SHOP, ENGR. STORES
- ③ GALLEY & MESS HALL
- ④ ENLISTED MEN'S BARRACKS
- ⑤ REC. HALL, CREW'S HEAD, SICK BAY
- ⑥ OFFICE & C.O. QUARTERS
- ⑦ STOREROOM
- ⑧ LORAN & COMM. HUT
- ⑨ BOATSWAIN'S LOCKER
- ⑩ LAUNDRY
- ⑪ DISTILLATION PLANT
- ⑫ PURE-O-PUMPER UNIT

LORAN STATION  
C.G. UNIT 82  
KWADACK ISLAND  
KWAJALEIN ATOLL

APPROX. SCALE: 1/32" = 1' BY S.D. HUGHES  
 ■ FIRE PUMPS, □ GRAVEL, ▣ CEMENT WHARVES.

U.S. COAST GUARD  
OPERATIONAL DATA REPORT  
Inclosure 4

18 October 1948

CGLTS KWADACK ,  
KWAJALEIN ATOLL

Inclosure 4

1. C.G. Unit 82 is located on the island of Kwadack , 18 miles north of the island of Kwajalein and is a small coral island of the Kwajalein Atoll with an area of 42 acres. Enewetak Island (Barney) 260 degrees true, three fourth of a mile and Meck island (Bascomb) 180 degrees true, three fourths of a mile, are small coral islands similar to the Kwadack Island. Eniwetak Passage between Kwadack and Eniwetak Island offers a narrow but deep channel for entrance and exit to the atoll (see Inclosure P.). The corral reefs in the area are numerous and dangerous to all vessels.

2. The island is located in a tropical region and has a jungle section covering about two thirds of the island. The actual reservation with the loran equipment and living facilities is located on the west and southwest sides of the island. This area has been well cleared of the tropical vines and trees except for the cocconut palms used as shade trees near living quarters. The induction area is well cleared and small trees, vines, etc are kept down as much as possible. The island is quite flat and has an elevation of about six or seven feet above mean low water. The soil is mostly of coral sand and is very hard and there is some type of black soil in the jungle areas that is believed to be of a volcanic nature. There is no evidence of eroision. The vegetation is made up of tropical vines and shrubs and cocconut palms. There are no hills or cliffs on the island. The slope of the beach is about one foot rise in every six feet. Encircling the island are many coral reefs and the only point for landing on the station is an area of about 50 feet in length on the west side of the island. A red range made of a 4 by 4 and the base of the main radiation has been constructed to guide landing craft for making a landing.

The climate on the island is typical of a tropical area. The temperature ranges from 75 degrees to 90 degrees and the humidity is very high. Usually , there is sufficient rain to keep the station supplied with fresh water except for short periods throughout the year when the distillation plant may have to be run for several days at at time (especially during the winter months November to April). The normal length of time a person can engage in hard physical labor is two or three hours. The high temperature, humidity and blazing sun limit the time a man can be expected to work outside.

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:

www.loran-history.info

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

18 October 1948

CGLTS KWADACK ,  
KWAJALEIN ATOLL

5A

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

Generator Quonset Hut (Building 1)

2. Cubic capacity:

One Floor Only, 10,800 cu. ft.

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

Housing for four Main Generators (PE-205-B)  
Storage for Generator Parts

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

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18 October 1948

CGLTS KWADACK,  
KWAJALEIN ATOLL

5B

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

Machine Shop and Engineers Storeroom (Building 2)

2. Cubic capacity:

One Floor Only, 10,800 cu. ft.

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

Machine Shop and Engineers Storeroom

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

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50

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

Galley and Messhall (Building 3)

2. Cubic capacity:

One Floor Only, 10,800 cu. ft.

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

Galley and Messhall (35 man capacity)

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

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5D

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

Enlisted Men's Barracks (Building 4)

2. Cubic capacity:

One Floor Only , 10,800 cu. ft.

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

Enlisted Men's living quarters and barracks. ( 25 man capacity)

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



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CGLTS KWADAC K ,  
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5B

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

Recreation Hall , Crews Head , Sick Bay (Building 5)

2. Cubic capacity:

One Floor Only , 10,800 cu. ft.

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

Recreation Hall , Crews Head, Sick Bay  
(Also 10 Men living quarters , if needed)

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

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- 5F
1. Name (or number) of structure as shown on sketch, Inclosure 3 of basic report:  
Office , C.O. Quarters (Building 6)
  2. Cubic capacity:  
One Floor Only , 10,800 cu. ft.
  3. Purpose for which used: (Note: If used as barracks or quarters or as galley or messhall , show capacity.)  
Office , C.O. Quarters
  4. Does structure as now equipped fill its purpose adequately? Yes If not , explain:

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50

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

Store Room (Building 7)

2. Cubic capacity:

One Floor Only , 10,800 cu. ft.

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

Store Room for miscellaneous stores of all types.

4. Does structure as now equipped fill its purpose adequately? Yes If not,  
Explain

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5 H

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

Loran and Communications Hut (Building 8)

2. Cubic capacity:

One Floor Only , 10,800 cu.ftt

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

Housing for Loran Equipment  
Housing for Communications Equipment  
Electronic Work and Repair Shop

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

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5 I

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

Boatswain Locker (Building 9)

2. Cubic capacity:

One floor Only: 7, 200 cu. ft.

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

Boatswain Locker, Storage of Miscellaneous Gear

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

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5 J

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

Laundry (Building 10)

2. Cubic capacity:

One Floor Only , 448 cu. ft.

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

Housing for Washing Machines

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

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Inclosure 6

Maximum Berthing and Messing Capacity of Unit

Following additional equipment necessary for maximum berthing and messing of station.

10 bunks

20 mattresses

Pots and pans sufficient to cook for 35 men.

40 each of, forks, spoons, knives, soup bowls, cups, plates, additional water pitchers, serving dishes.

Additional utensils needed in galley such as paring knives, carving knives, potatoe masher, flour sifter, can openers, egg beater, to cook for 35 men.

Reefers on hand are large enough to handle supplies for 35 men providing supplies are delivered monthly.

Sufficient storage space for all dry provisions available on station.

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Inclosure 7

"Diseases"

1. No diseases common in this area which special inoculations are necessary.
2. Most common ailments and diseases among station personnel.
  - (a) Miliaria Rubra
  - (b) Dermatoplytosis
  - (c) Ear Infection (Auditory Canal)



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WORK LOAD ESTIMATES; Inclosure 8 (sample)

18 October 1948

(date)

CGLTS KWADACK ,  
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(unit)

For (unit. \_\_\_\_\_ ) Strike out one which  
 (~~additional facility~~ \_\_\_\_\_ ) does NOT apply

	Optimum Con- dition (average Man-hrs/week	Minimum Con- dition (average Man-hrs/week)
1. Operational		
Watchstanding:		
(a) Scope - - - - - ( <del>ET</del> ) - - - - -	168	168
(b) Communications - - - - -	56	20
(c) Duty technician - - - - -	40	40
(d) Duty mechanic - - - - -	56	40
(e) Security - - - - -	10	10
(f) - - - - -		
(g) - - - - -		
(h) - - - - -		
2. Maintenance & Repairs:		
(excess work load over such work performed by watchstanders, item 1, above).		
(a) Technicians, Loran Equipment building-and-Area	56	40
(b) Radiomen, Correction Publication Sta.-upkeep etc	40	10
(c) Enginemen, Maintenance, -Repairs, Records, etc. -	44	20
(d) Hospital Corpsman, Station-Maintenance - - - - -	40	20
(e) Seamen, Station Maintenance - - - - -	120	80
3. Station services:		
(a) Mess; operation of- <del>Commuted-Ration Mess</del> - - -	77	60
(b) Stores; procurement/handling of - - - - -	15	15
(c) Correspondence/records; preparation/handling of - - - - -	60	40
(d) Training and drills - - - - -	28	20
(e) Medical - - - - -	4	4
(f) Boat duty - - - - -		
(g) - - - - -		
(h) - - - - -		
4. Ineffective time:		
(a) Sick (including travel time)- - - - -	5	5
(b) Absent, temp. duty (incl. travel time)- - - - -		
(c) Leave (including travel time) - - - - -		
(d) Liberty - - - - -		
(e) Vacancy (detachment prior arrival of relief)-	20	20
(f) - - - - -		
5. Total man-hrs/week: - - - - -	839	611

CGLTS KWADACK  
KWAJALEIN ATOLL

(Unit)

18 October

1948

(date)

6. Recommended rating structure:

Optimum Condition

Minimum Condition

Rating

Number

Number

ET 1(Z) or ETC(Z)	- - - - -	-1	- - - - -	-1
ET 2(Z)	- - - - -	-2	- - - - -	-1
ET 3(Z)	- - - - -	-3	- - - - -	-3
EM 2	- - - - -	-1	- - - - -	-1
EN 1	- - - - -	-1	- - - - -	-1
EN 3	- - - - -	-1	- - - - -	-1
HM 1	- - - - -	-1	- - - - -	-1
CS 1	- - - - -	-1	- - - - -	-1
BM 1	- - - - -	-1	- - - - -	-
SN	- - - - -	-3	- - - - -	-3

7. Total enlisted personnel recommended - - - - -15 - - - - -14