

11-24-48
8

UNITED STATES COAST GUARD
SEATTLE, WASHINGTON

23 November, 1948

MEMORANDUM FOR **COMMANDANT (OAN)**

Operational Data Report, Point Grenville Loran Sta.

1. Data in addition entered in Para. 3 (d), as required by HQ's OP. MEMO 9-48.
2. Also inclosure 4 completed.

RECEIVED

NOV 29 1948

ELECTRONICS SECTION
AIDS TO NAVIGATION DIV.

OAN	
1	Chief
	Asst. Ch.
	Plan.
2	Elect.
	Hydro.
	Publ.
	N. to M.
	Charts
	All
3.	OSW 7-12
	FILE

U.S. COAST GUARD
OPERATIONAL DATA REPORT
PART I



October 11 1948
(date)

1. Reporting Unit: *Pt. Greenville* # 445 Noclips, Washington; 13 Th. Coast Guard District

2. Operations:

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

- (1) Rate (s): **2H4 ; 2H5**
- (2) Type of station (slave, monitor, etc.): **Master**
- (3) Other stations in chain (list): **Spring Island, British Columbia
Cape Blanco, Oregon.**

(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):

U. S. COAST GUARD
OPERATIONAL DATA REPORT
PART II

October 11 19 48
(date)

PT. GRENVILLE, WASH.

1. Reporting Unit: ~~# 145 Noctigena, Wash.~~; 13 Th. Coast Guard District

2. Location:

(a) Place Name: **Point Grenville**

(b) Latitude: **47 deg. 18 min.** ; Longitude: **124 deg. 17 min.**

47°-18'-20" N

124°-16'-34" 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"x10^{1/2}", is desired.)

(c) Sketch: Prepare, mark "inclosure 3", and append a sketch, 8"x10^{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)

(1) Coast Guard-owned (see simple title)? _____

(2) " " " (use and occupation title)? _____

(3) Leased? _____

(4) Occupied on permit? _____

(5) Otherwise occupied, as follows:

Acquired 3.5 acres in 1905 by Executive Order 6-24-05 by Bureau of Lighthouses.

(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.)

(unit)

(date)

- (b) Berthing and messing capacity of unit as now equipped: one officers;
16 enlisted.
- (c) Maximum berthing and messing capacity of unit, conditional upon provision of additional equipment as listed in "inclosure 6": one 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: **Loran Radio Sta. Point Grenville, Moclips, Washington.**
- (2) Normal routing of mail and method of delivery (fill in only if beyond Continental U. S.):
- (3) Normal frequency of delivery: **Daily**
- (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.):

(b) Radio:

- (1) Is voice radio communication equipment installed? No
- (2) Is CW radio communication equipment installed? No

(c) Telephone:

- (1) Number (if connection to commercial exchange):
- (2) Other connections to outside points: **Coast Guard telephone line
is used to all CG stations and commercial exchange.**

(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: **Motor Transport, Aberdeen, Washington.**

Passengers:**Motor Bus to Moclips, Washington.**

(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>
Moon Island Airport	Hoquim, Wash.	40 mi.	Vehicle	Comm.	West Coast Airlines

(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>
			None		

(c) Land:

(1) Highways (cite main roads linking unit with, and distances from unit to, populated centers): Washington Highway 90 to Aberdeen, Washington
40 miles from this unit.

(2) Bus lines (cite bus lines linking unit with, and distances from unit to, populated centers): Hoquim, Wash. 40 miles from this unit, runs a bus to Moelips, Washington, 9 miles from this unit.

(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>
	Moelips, Wash.	9 mi.	Vehicle		Northern Pacific

(b) Unit's RR freight address:

Loran Radio Sta.
Pt. Grenville,
Moelips, Wash.

(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>
Port Dock	Aberdeen, Wash.	40 mi.	Vehicle		<u>Any line</u>

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

- (a) Location:
- (b) Controlling depth: **None**
- (c) Holding ground:
- (d) Protection from wind and sea:
- (e) Average sea conditions: **Unpredictable**
- (f) Distance to landing beach or wharf: *********

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

- (a) Location:
- (b) Type of construction:
- (c) Controlling depth of channel: **None**
- (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): **Gravel Road**

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

- (a) Location: **Tahola Road Beach 1/2 mi from unit**
- (b) Nature of beach: **Sandy beach with sloping sand**
- (c) Bottom: **Sand**
- (d) Slope above and below waterline: **Gradual**
- (e) Usable length: **3 mi.**
- (f) Reefs, etc., limiting access: **Jutting rocks**

(g) Surf and wind conditions affecting use: **Unpredictable**

(h) Precautions:

Submerged Rocks

(i) Types of boats suitable for landings:

Landing Barges

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

Gravel Road

7. Logistics:

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

<u>Meat</u>	<u>Normal Source</u>	<u>Frequency Of Delivery</u>	<u>Via (Method of Delivery)</u>	<u>Alternate Source</u>	<u>Local Source</u>	<u>Remarks</u>
	Navy	Monthly	DFU		Local Groc.	
<u>Dry Provisions</u>	Navy	Monthly	DFU		" "	
<u>Fresh Frts & Vegs</u>	Navy	Monthly	DFU		" "	
<u>Personal Stores (candy, tobacco, etc.)</u>	Local Businesses	At personnels convenience				
<u>Clothing</u>	CG Base Seattle, Wash.	As needed	DFU			
<u>Fuel</u>	Commercial	Quarterly	Delivery			Aberdeen, Wash.
<u>Machinery Parts</u>	CG General Supply	As Required	Mail & Freight			
<u>Electronic Parts</u>	ERS CG Base Seattle, Wash.	As Required	Mail & Freight			

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

Water is aquired from an seepage sistern and pumped into an overhead tank, Water supply is adequate for normal use.

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

Electric power is obtained by desial driven generators
One generator always in complet standby. Adequate for normal operation.

(d) Storage space:

	<u>Cu. Ft.</u>	<u>Adequate?</u>	<u>Additional Required</u>
Frozen Storage:	150	yes	
Chilled Storage:	25	yes	
Fresh Frts & Vegs: (except chilled)			
Dry Provisions:	230	yes	

	<u>Gallons</u>	<u>How Stored</u>	<u>Adequate?</u>	<u>Additional Required</u>
Drinking Water	1500	overhead tank	yes	
Diesel Oil	4200	storage tank	yes	
Gasoline	500	2-250 stor tank	yes	
Kerosene	4200	storage tank	yes	
Coal (Tons)	none			

(e) Fuel requirements, annual; List: Diesel oil 14000 gal. Approx.
 Kerosene 1500 gal. "
 Gasoline 5000 gal. "

(f) Comment on adequacy of existing method of procuring, handling and storing supplies:

Adequate this unit

8. Security:

(a) Describe provisions made and measures being taken to limit access to the unit (fences, gates, security watches, etc.):

This station is equipped with a warning system of anyone approaching.

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

(c) Is trespass or attempted trespass by unauthorized persons considered likely? Explain: No, as there is onle one convient means of access tothis unit due to cliffs and heavy timber and the one access equipped with a warning System.

(unit)

(date)

- (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>
	2ea. tomson sub-machine gun	yes	
	6ea. M1 rifle	"	
	1ea. .22 cal. rifle	"	
	6ea. .45 cal. pistols	"	
	1ea. .22 cal. automatic pistol	"	
	1ea. 12 ga. Double barrel shotgun.	"	

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

None in near vicinity.

- (f) Firefighting equipment at unit:

<u>On Board</u>	<u>Operative?</u>	<u>Adequate?</u>	<u>Remarks</u>
CO2 extinguishers	yes	yes	
foam extinguishers	yes	yes	
Water hydrants	yes	yes	

- (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?

Constant fire watch maintained.

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

Local population may be called on for assistance.

9. Sanitation and Health:

- (a) Drinking water:

- (1) What precautions are taken to insure that the supply is fit to drink?

Drinking water is filtered by chlorine filters.

(unit)

(date)

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

(b) Garbage:

(1) How is garbage disposed of? At local garbage dump

(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? By sewage pipe to beach.
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?

disinfectants

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

(e) Insect pests:

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

Insecticides

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

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

Various medical supplies and three men qualified for minor first aid treatment.

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:

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

yes

(b) Recreation:

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

The recreation facilities of this unit consists of a pool table, record player, radio, and various subscriptions to magazines.

(unit)

(date)

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

Softball gloves and bats
footballs ,Football helmets and sholder pads,archery equip.,fishing tackle
,cue sticks,cue stick tips and pool chalk,dark room equipt.,hobby kits,
Pinochel cards and playing cards.

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

one movie theater.

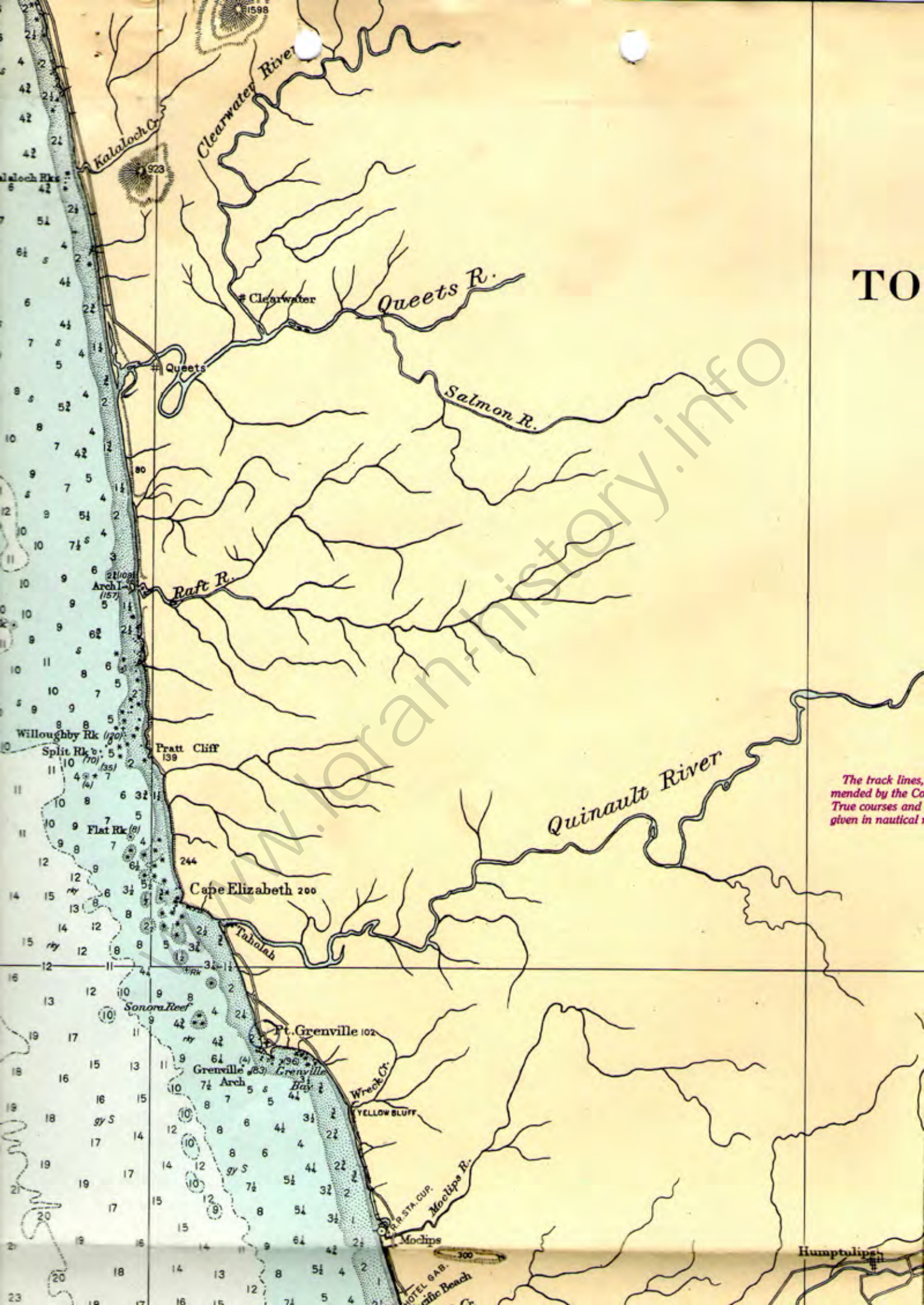
U.S. COAST GUARD
OPERATIONAL DATA REPORT
PART III

October 11 19 48
(date)

1. Reporting unit: #445, Neclips, Wash. ; 13 Th. Coast Guard District

2. Work Load Estimates:

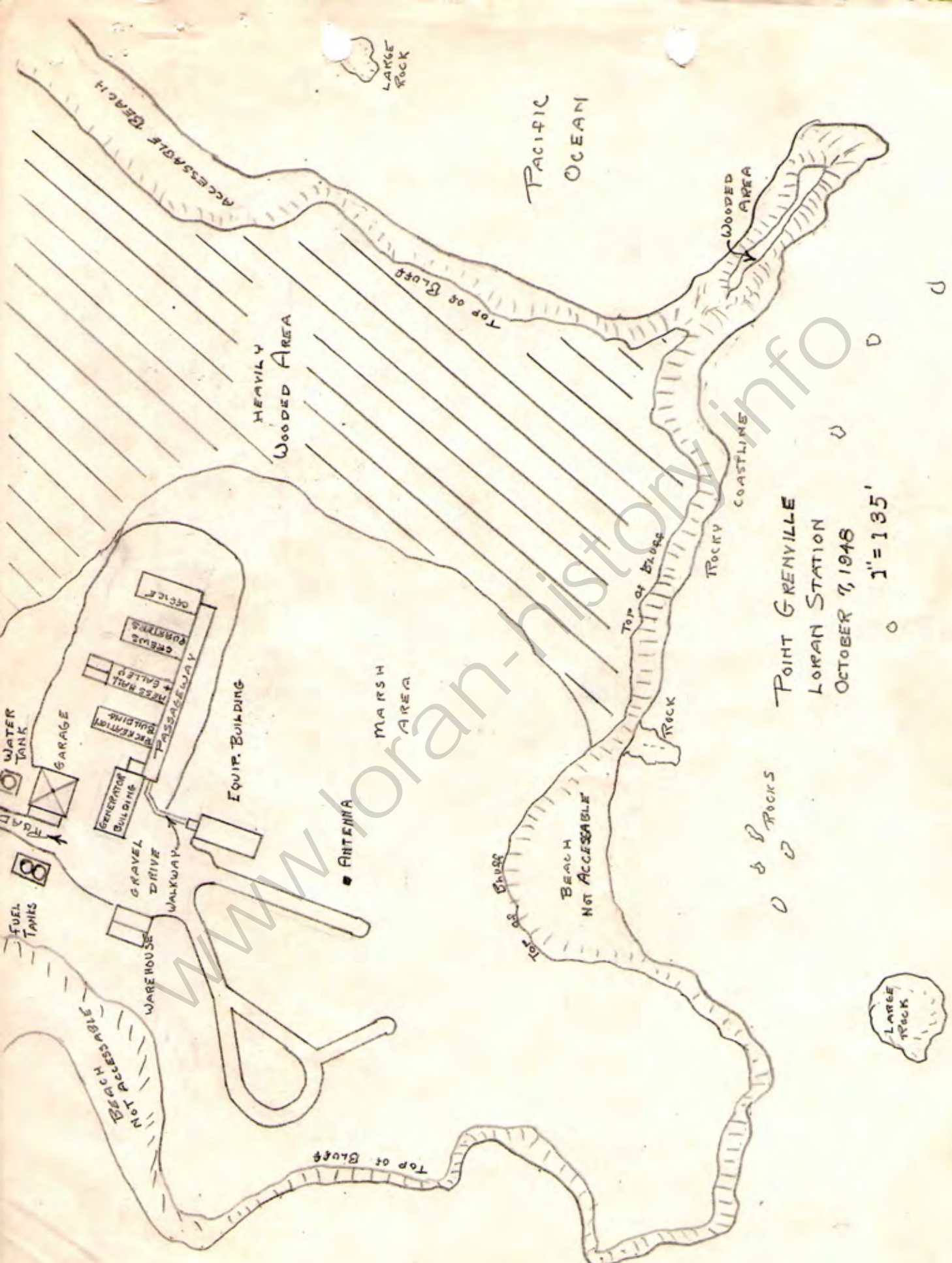
- (a) As applied to work-loads in inclosure 8 of this report, the term "optimum condition" shall mean "work-load imposed by performance of the unit's assigned tasks, including normal maintenance of unit and equipment"; "minimum condition" shall mean "work-load imposed by performance of the unit's assigned 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 "LT", "EN", etc. (Note: A sample "Work Load Estimate" sheet is attached.)



TO

The track lines, mended by the Co True courses and given in nautical

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POINT GRENVILLE
 LORAN STATION
 OCTOBER 7, 1948

1" = 185'

LARGE ROCK

PACIFIC OCEAN

HEAVILY WOODED AREA

WOODED AREA

Top of Bluff

Top of Bluff

ROCKY COASTLINE

ROCK

MARSH AREA

ANTENNA

EQUIP. BUILDING

WAREHOUSE

GRAVEL DRIVE

GENERATOR BUILDING

RECREATION BUILDING

MESS HALL

OFFICE

RECREATION BUILDING

OFFICE

BEACH NOT ACCESSIBLE

Top of Beach

BEACH NOT ACCESSIBLE

Top of Bluff

LARGE ROCK

ROCKS

October 11, 1948

Unit #445

U. S. Coast Guard

Operational Data Report

Inclosure 4

1. Point Grenville is a broken, rocky promontory with nearly vertical cliffs over 100 feet high. Numerous rocks extend for some distance off the point. Anchorage may be made in northwesterly weather under Point Grenville by vessels of moderate draft. The anchorage is not recommended for ordinary use. Northward of Point Grenville is a series of cliffs stratified to the northward. North of the cliffs is a shingle beach, northward of which are irregular bluffs and cliffs terminating near Taholah in bluffs of uniform height.
2. Moclips, a watering place near the mouth of the Moclips River, is connected by a branch of the Northern Pacific Railroad with Hoquiam on Grays Harbor. Some logs and considerable shingles are shipped via this railroad. From Point Grenville 22 miles south to Point Brown the coast line is generally a low sandy beach broken occasionally by small streams, and in some places by bluffs. A few small settlements, connected by roads or trails are scattered along this stretch.
3. Climatic conditions are of the normal northwest coast and range from fairly heavy rainfall in early winter months to occasional dry summer months. Temperature ranges from freezing to highs of 85° in the summer.

UNITED STATES COAST GUARD



ADDRESS REPLY TO

AND REFER TO

U.S. COAST GUARD
 OPERATIONAL DATA REPORT
 STRUCTURE FORM: INCLOSURE 5

October 11 48
 -----19-----
 (DATE)

*** Unit # 445

 (UNIT)

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

Recreation Building (Quonset Hut)

2. Cubic capacity: basement----- Cu. Ft. (ApPox.)
 m 1st floor-11300----- " "
 2nd floor----- " "
 3rd floor----- " "

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

4. Dose structure as now equipped fill its purpose adequately? ^{YES}-----If not explain.

UNITED STATES COAST GUARD



ADDRESS REPLY TO

AND REFER TO

U.S. COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM: INCLOSURE 5

October 11 19 48
(DATE)

Unit # 445
(UNIT)

1. Name (or number) of structure as shown on sketch, inclosure 3 of basic report:
*** Generator Building (Quonset Hut)

2. Cubic capacity: basement----- Cu.Ft.(Approx.)
1st floor 11300 " "
2nd floor----- " "
3rd floor----- " "

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

Housing of generators and accessories.

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

UNITED STATES COAST GUARD



ADDRESS REPLY TO

AND REFER TO

US COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM: INCLOSURE 5

October 11 1948
-----1948-----
(DATE)
Unit \$ 445

(UNIT)

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

~~Operations Building~~ (Quonset Hut)

2. Cubic capacity:	basement-----	Cu.Ft.	(Approx.)
	1st floor 11300-----	"	"
	2nd Floor-----	"	"
	3rd floor-----	"	"

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

Used for housing Loran timers and transmitters.

4. Dose structure as now equipped fill its purpode adequately? Yes ----- If not explain.

UNITED STATES COAST GUARD



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AND REFER TO

U.S. COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM: INCLOSURE 5

-----October 11-----1948-----
(DATE)

-----Unit # 445-----
(UNIT)

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

Warehouse (Wood frame building)

2. Cubic capacity: basement-----Cu.Ft. (Approx.)
1st floor-7000-----"-----"
2nd floor-----"-----"
3rd floor-----"-----"

3. Purpose for which used: (Note: If used as barracks or Quarters or as galley or mess hall show capacity:)

Storage of tools and supplies.

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

UNITED STATES COAST GUARD



ADDRESS REPLY TO

AND REFER TO

U.S. COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM: INCLOSURE 5

October 11 1948
(DATE)

Unit # 445
(UNIT)

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

Garage (Wood frame building)

2. Cubic capacity: basement-----Cu.Ft. (Approx.)

1st floor	10700	"	"
2nd floor	-----	"	"
3rd floor	-----	"	"

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

Vehicles and vehicle repair.

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

UNITED STATES COAST GUARD



ADDRESS REPLY TO

AND REFER TO

U.S. COAST GUARD
OPERATIONAL DATA REPORT
STRUCTURES FORM: INCLOSURES 3

October 11 19 48
q (DATE)

Unit # 445
(UNIT)

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

Galley and messhall (Quonset Hut)

2. Cubic capacity: basement-----mCu.Ft.(Approx.)
1st.floor 11300----- Cu.Ft. "
2nd floor----- " "
3rd floor----- " "

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

The messhall will acomodate approx. 30 persons.

4. Dose structure as now equipped fill its purpose adequatly? YES----- If not explain.

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

October 11 1948
(date)

Unit #445
(unit)

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

2. Cubic capacity: basement _____ cu. ft. (approx.)
 1st floor 11300 " " "
 2nd floor _____ " " "
 3rd floor _____ " " "

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

**This building Includes: Berthing accommodations for two persons
 office
 stock room**

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

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UNITED STATES COAST GUARD



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U.S. COAST GUARD
OPERATIONAT DATA REPORT
STRUCTURES FORM: INCLOSURES 5

October 11 48
-----19-----
(DATE)
Unit # 445

(UNIT)

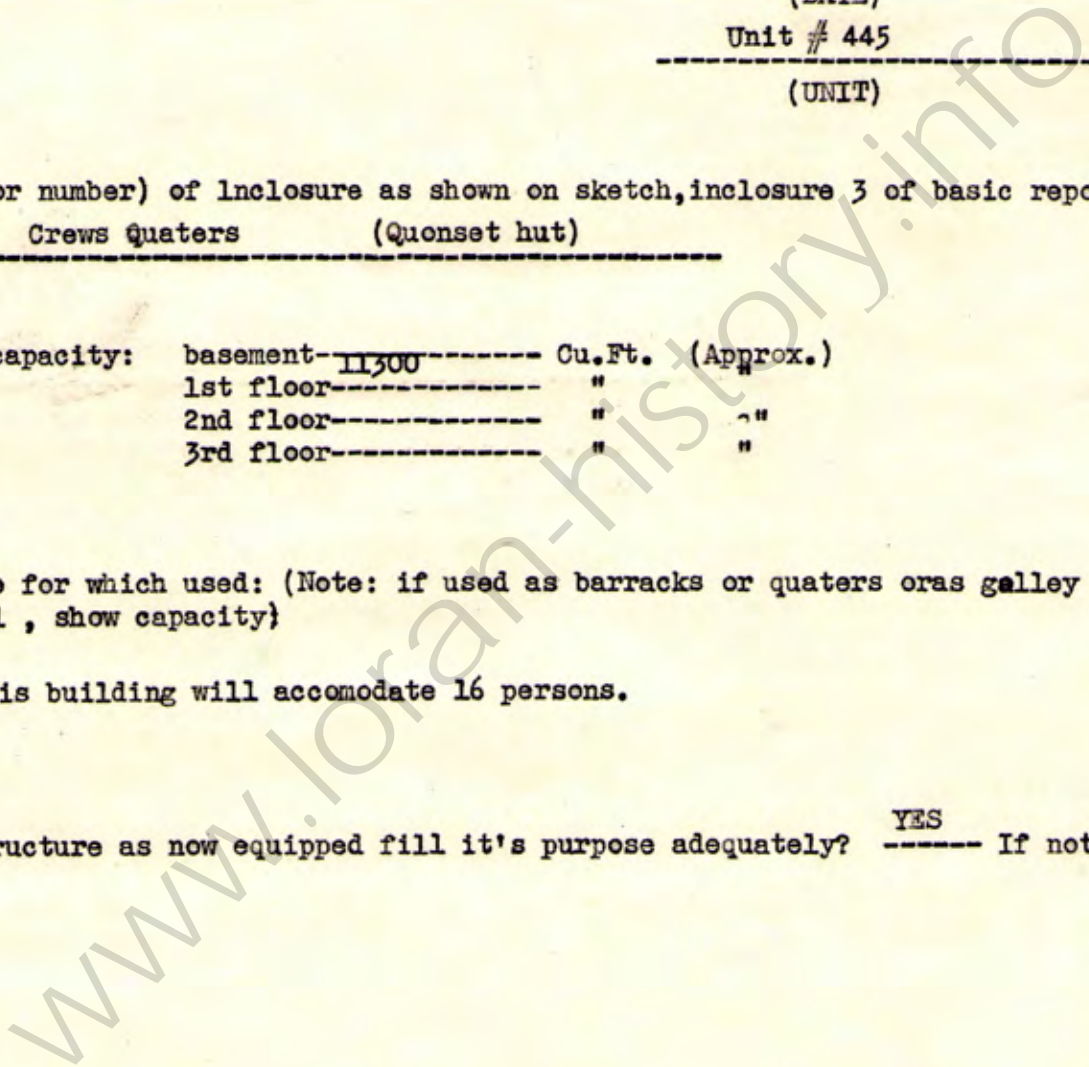
1. Name (or number) of Inclosure as shown on sketch, inclosure 3 of basic report:
----- Crews Quaters (Quonset hut)

2. Cubic capacity: basement-----11300----- Cu.Ft. (Approx.)
1st floor-----"-----
2nd floor-----"-----
3rd floor-----"-----

3. Purpose for which used: (Note: if used as barracks or quaters oras galley or
messhall , show capacity)

This building will accomodate 16 persons.

4. Dose structure as now equipped fill it's purpose adequately? YES ----- If not explain:



U.S. COAST GUARD
OPERATIONAL DATA REPORT
Diseases: Inlogure 7

27 September, 1948

LTS, Cays Bianco

1. This area is practically free of all common diseases.
2. Most common ailments at this unit are as follows, in order of prevalence:
 1. Toothaches, dental fillings required, tooth extractions, etc., common with need of dental work. Only one case of French Mouth at this unit and that was from a man sent here on temporary duty.
 2. Common colds due to dampness and exposure.
 3. Headaches.
 4. Muscular aches and pains.
 5. Minor cuts and bruises.
 6. Stomach disorders of minor nature.

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

October 11 19 48
 (date)

#445 Moclips, Wash.
 (unit)

For (unit.) Strike out one which
 (~~operational facilities: #445 Pt. Grenville, Moclips, Wash.~~) does NOT apply

	Optimum Con- dition (average Man-hrs/week	Minimum Con- dition (average Man-hrs/week)
1. Operational		
Watchstanding:		
(a) Scope - - - - -	32	
(b) Communications- - - - -	30 hr.	32 hr.
(c) Duty technician - - - - -	84 hr.	84 hr.
(d) Duty mechanic - - - - -	40hr.	40 hr
(e) Security- - - - -		
(f) - - - - -		
(g) - - - - -		
(h) - - - - -		
2. Maintenance & Repairs:		
(excess work load over such work performed by watch- standers, item 1, above).		
(a) - - - - -		
(b) Yard work - - - - -	40 hr.	20 hr.
(c) Engine & Vehicle Maint. - - - - -	40 hr.	25 hr.
(d) - - - - -		
(e) - - - - -		
3. Station services:		
(a) Mess; operation of- - - - -	100 hr.	50 hr.
(b) Stores; procurement/handling of - - - - -	5 hr.	4 hr.
(c) Correspondence/records; preparation/handling of - - - - -	35 hr.	20 hr.
(d) Training and drills - - - - -	1 hr.	1 hr.
(e) Medical - - - - -		
(f) Boat duty - - - - -		
(g) - - - - -		
(h) - - - - -		
4. Ineffective time:		
(a) Sick (including travel time)- - - - -	5 hr.	
(b) Absent, temp. duty (incl. travel time)- - - - -		
(c) Leave (including travel time) - - - - -		
(d) Liberty - - - - -	61 hr.	
(e) Vacancy (detachment prior arrival of relief)- - - - -		
(f) - - - - -		
5. Total man-hrs/week: - - - - -	345 MH/W	255 MH/W

445 Moelips, Wash.
(Unit)

October 11 1948
(date)

6. Recommended
rating structure:

Optimum
Condition

Minimum
Condition

Rating

Number

Number

RE	1	1
ET (Z)	7	2
EN	1	1
CS	1	1
Sea	4	1
RD (Z)		4

7. Total enlisted personnel recommended - - - -

14

10

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