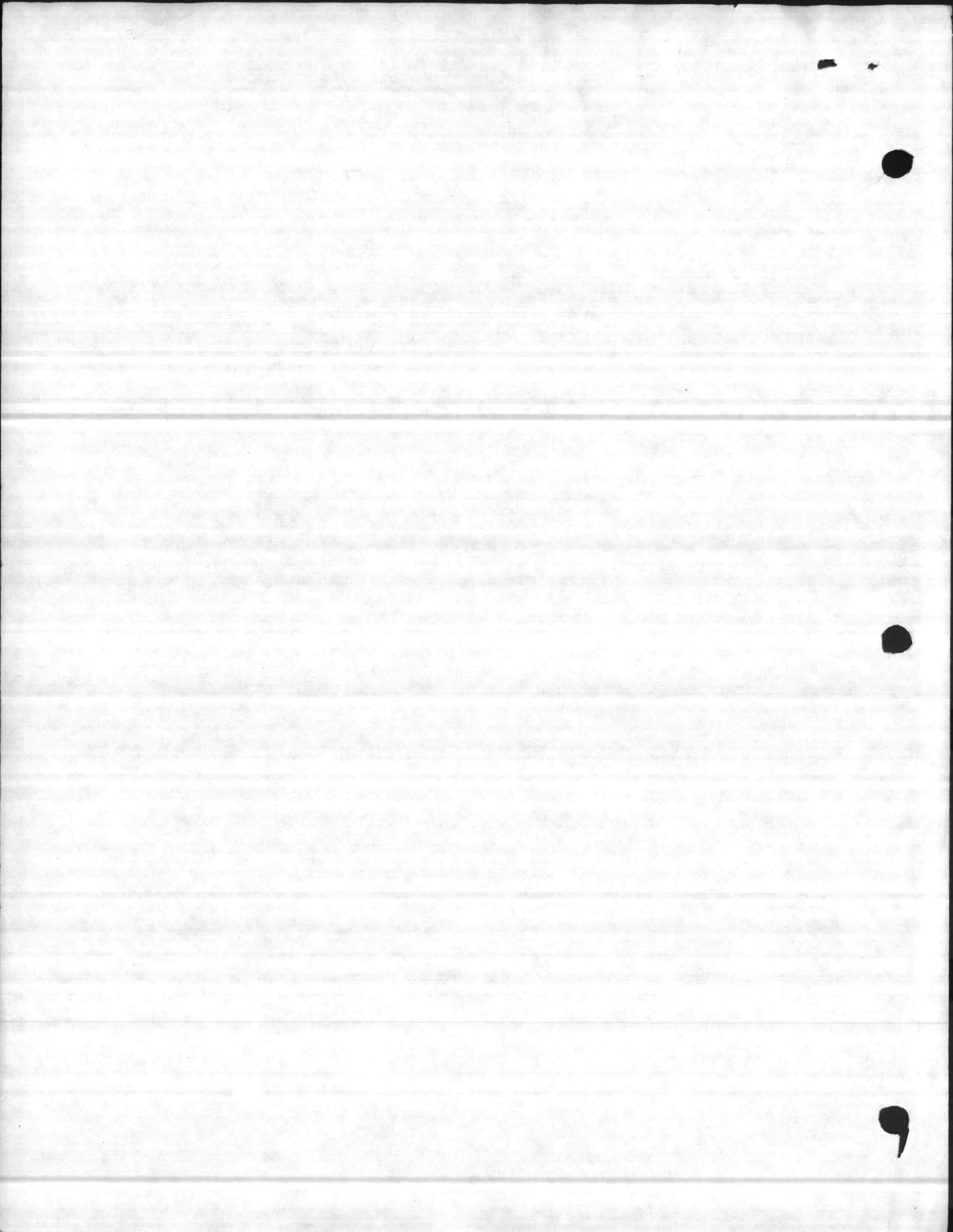


COASTAL INTEL REPORT w/ENCLOSURES 1-4

Time required: App 4 hours

Materials required: Classroom, note paper, pens/pencils

Student handouts: Example of Coast Report and Accompanying Enclosures



## Coast Report

Including Enclosures 1-4, Port Information, Helicopter Landing Area, Airports and Improved Landing Fields, and Urban Areas, respectively.

**Introduction:** This will be a systematic period of instruction. We will cover procedures for conducting a coastal reconnaissance and subsequent completion of a Coast Report complete with enclosures.

**Learning Objective:** The objective of this class is to teach you what to look for enabling you to make an objective observation of a coastal region and what information is required of the Coast Report.

The hand-out examples are general interms and designed to provide information covering hypothetical (not to mention underdeveloped) region for the sake of keeping the class uncomplicated.

The students are encouraged to ask questions at any time during this period of instruction.

**Note:** Some information required of the Coast Report can be obtained from sources such as a good map recon or the library.

**ADMIN HEADING:** Self-explanatory. Country, sector (if applicable), and date.

### 1. Boundries of Reported Area

Location by Major Landmarks: What is it that marks the boundries of the area you are working with, lighthouse, a mountain, a pier, a town or villiage, a prominent rock cropping, etc... (Man-made or natural)

Complete this section by giving geographic and grid coordinates of the left and right limits of the study area.

### 2. Approaches

General navigational hazards or difficulties near- or offshore.

Meterological conditions to include periods of inclement weather, i.e. typhoon or hurricane season, periods of abnormal drought or rain, and year-round variations in temperature.

Navigational Landmarks to include any noticeable man-made or natural aids to show you where you're at, i.e. radio antennae, lighthouses, mountains, cliffs, rocks, off-shore islands, etc...

List any dangers such as sandbars, rocks awash. List any offshore islands.

Current direction and velocity is restricted to MAJOR OCEAN CURRENTS such as the Gulf Stream.

### 3. Sea Conditions

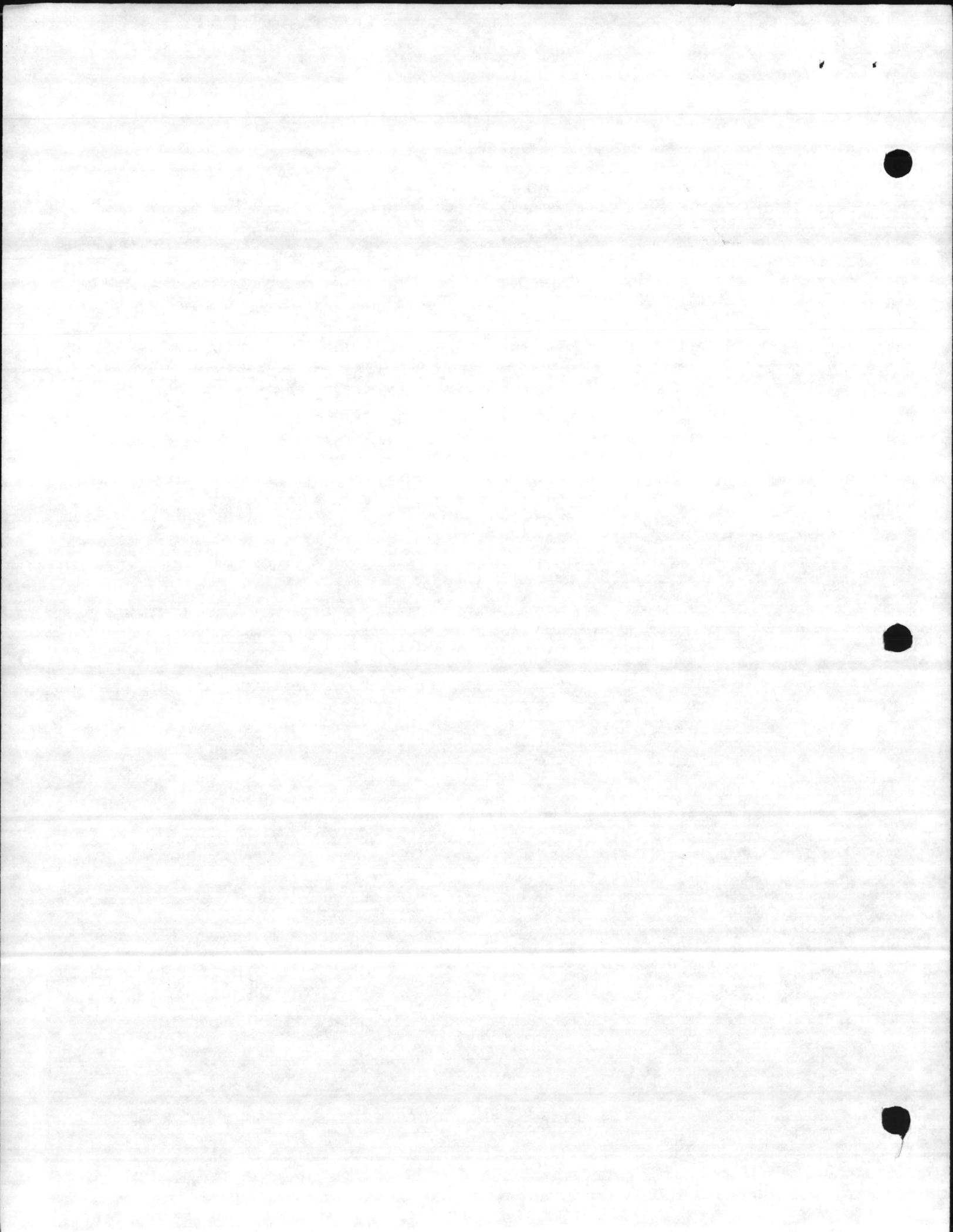
Self-Explanatory. The information required for this section can be easily obtained in a library in most cases.

### 4. Fog

When? How long does it linger before burn-off? What effect does it have on visibility?

### 5. Winds

Self-explanatory. This information can be obtained from soutside sources.



## 6. Surf

Actually, 'surf zone'. Surf zone is considered the area from where the waves begin to break to the shore. List the width of this zone at high, low, and, mid tide, the number of lines of breaking waves in the zone, wave height from trough to crest, and general angle of the lines of waves to the beach. List any pertinent remarks.

## 7. Tides

This section can be completed before-hand using predicted tide tables.

## 8. Anchorages

Any holding or anchoring spot, i.e. sounds, river mouths, harbors, trench, shelf, etc., etc. Depths at high and low tide, area, holding qualities according to bottom terrain (an anchor is going to hold a piece better in coral than mud), and protection from inclement weather.

## 9. Specific Reported Beaches

Self-explanatory except that location is listed as grid coordinates for the center of the beach and beaches are restricted to the area of coastal study.

## 10. Ports

List, give coordinates specific enough to locate on a map and refer to Port Information Report number in enclosure 1.

## 11. Shore

What does it look like? Include critical beach characteristics such as, cusps, berms, sea walls, etc. (can be natural or man-made). (Explain beach characteristics if necessary at this time)

## 12. Coastal Terrain

Include drainage, slope, type of terrain (mountains, rocky, plains, etc) Is it sandy, swampy?

List vegetation and density  
Does it provide concealment?

## 13. Cross-Country Movement

Self-explanatory.

## 14. Roads

Self-explanatory.

## 15. Railroads

If available, describe gauge by physically measuring. Describe type and capacity of rolling stock. Describe roadbed (rock with wooden ties). List major terminal points.

## 16. River, Streams, Inland Waterways, and Canals

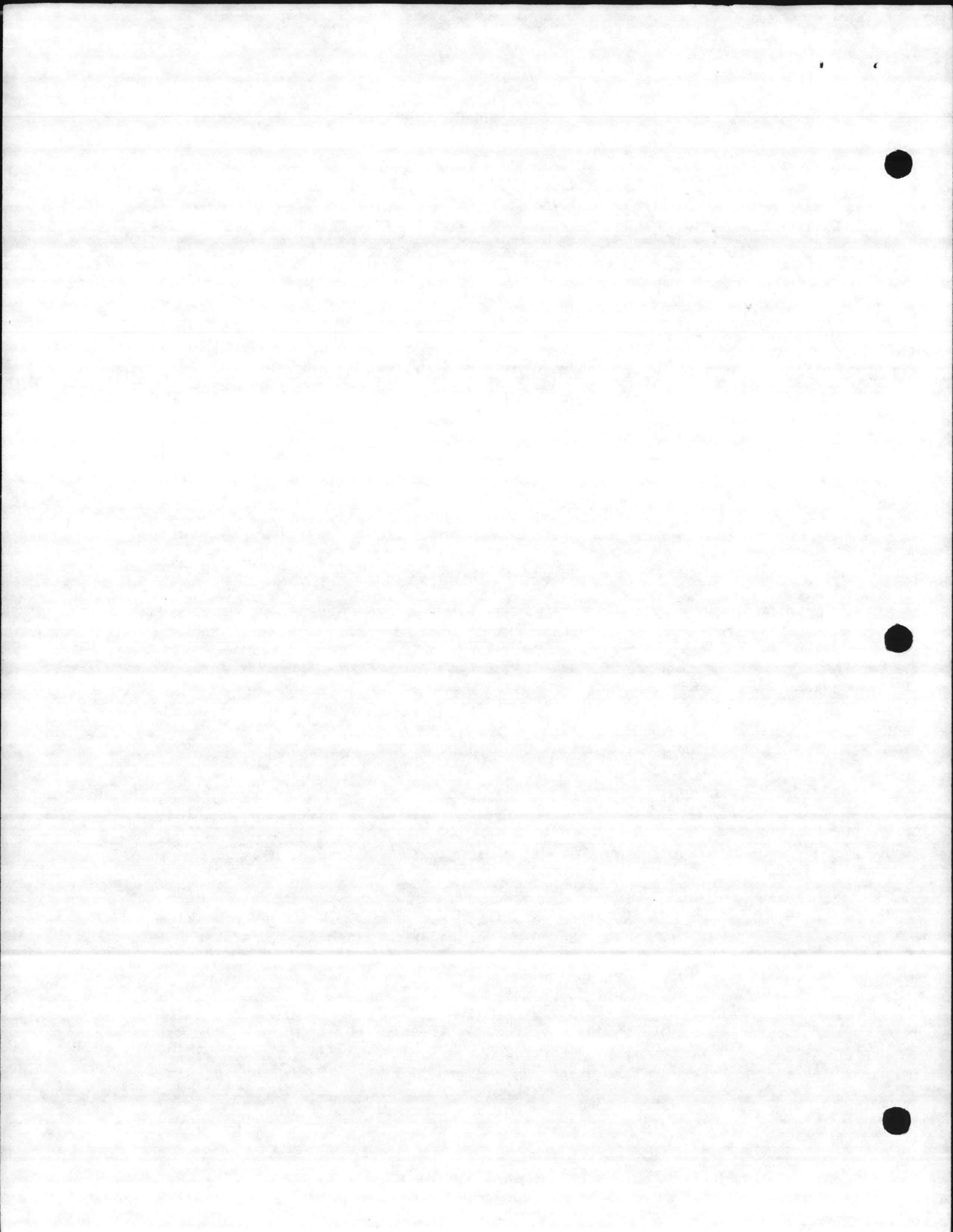
Ranges from easy to involved. Includes volume of traffic, draft of vessels and tonnage accommodated, products transported up and down stream, distance of navigability, locks, ports, military traffic; Any details critical to the description of the waterway.

## 17. Helicopter Landing Areas

List by name and grid coordinates. Refer to report number in enclosure 2.

## 18. Air Facilities

List and refer to report number in enclosure 3. In remarks, include use, (commercial, private, military), size, number of runways. Any information pertinent to the importance of the airfield.



19. Urban Areas

ANY and ALL developed areas from fishing villiages with thatched huts to major urban areas in the coastal study area. List by name and grid coordinates. Refer to report number in enclosure 4

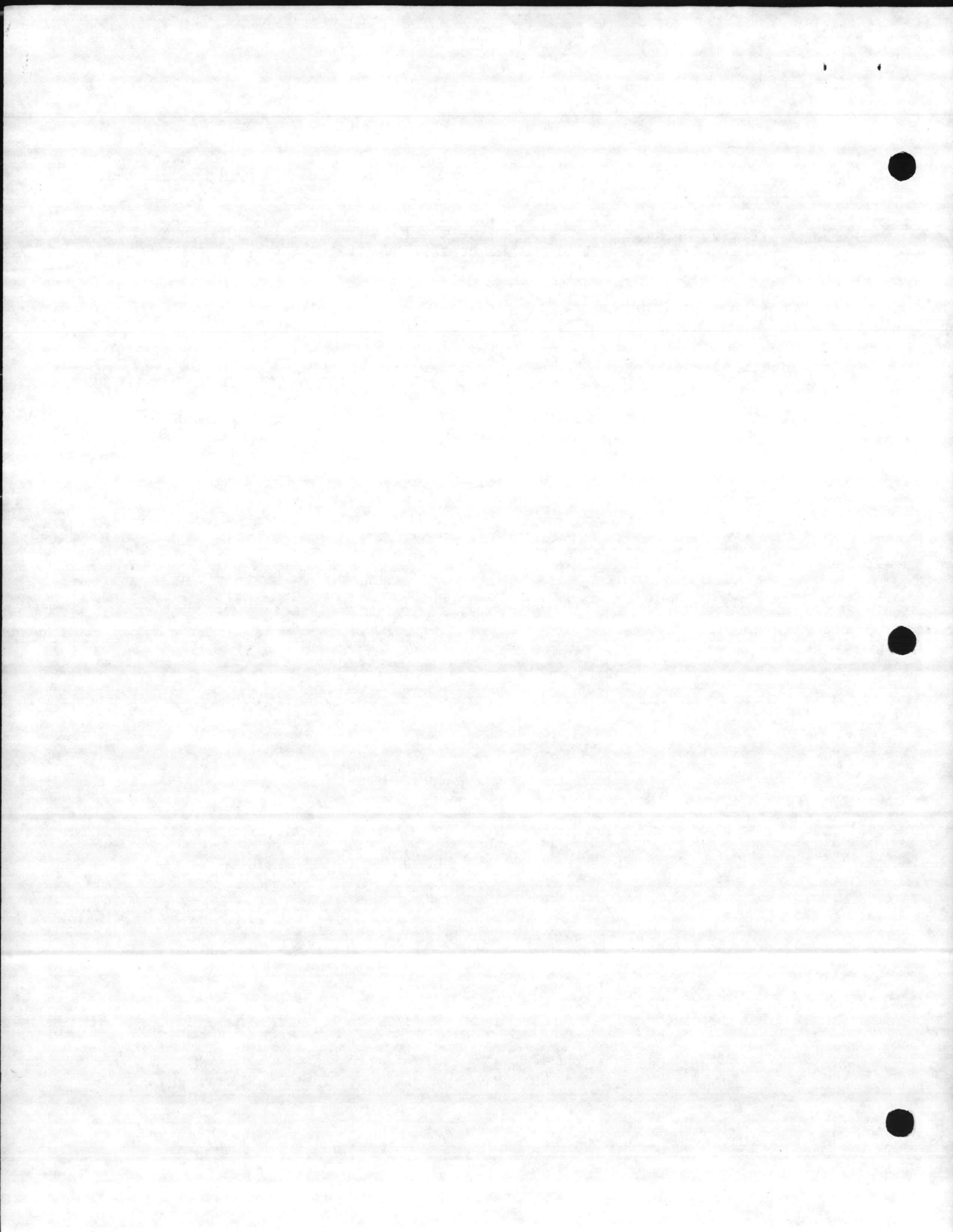
20. Artificial Structures

All man-made structures along the coast line. Lighthouses, piers, wharves, sea walls, etc.

21. Photographic Coverage

Self-explanitory

22. Additional Remarks



Appendix 1 to Annex A

C. I. R. #

## COAST REPORT

Country Honduras  
Sector

Date 850422

## 1. BOUNDARIES OF REPORTED AREA

Location (by Major Landmarks) Western boundry limit is lighthouse in Puerto Gusto. Eastern boundry is the town of Santa Juliana

Left flank Longitude and Latitude

Long 78° 12' 15"  
Lat 12° 10' 15"

Left flank Military Grid Coordinates

48752134

Right flank Longitude and Latitude

Long 78° 08' 10"  
Lat 12° 10' 14"

Right flank Military Grid Coordinates

00752015

## 2. APPROACHES

Nearshore Approaches - describe in general terms (shoreline to 5 fathom curve) According to available hydrography, nearshore approach is clear of navigational hazards. Ocean floor is evenly contoured from shoreline to 5 fathoms.

Offshore Approaches - describe in general terms

Offshore approaches are clear of navigational hazards. A barrier reef app 3 Km offshore proves to be no hazard to navigation.

Approx. Dist., Shore to 3 fathom curve 300M

Approx. Dist., shore to 5 fathom curve 500M

Meteorological Conditions - describe in general terms

Humid, sub-tropical. Hot Hazy Calm

Navigation Landmarks

Lighthouse at Puerto Gusto. Fishing pier at San Ignacio. Fishing Pier at Santa Juliana.

Dangers (Obstacles)

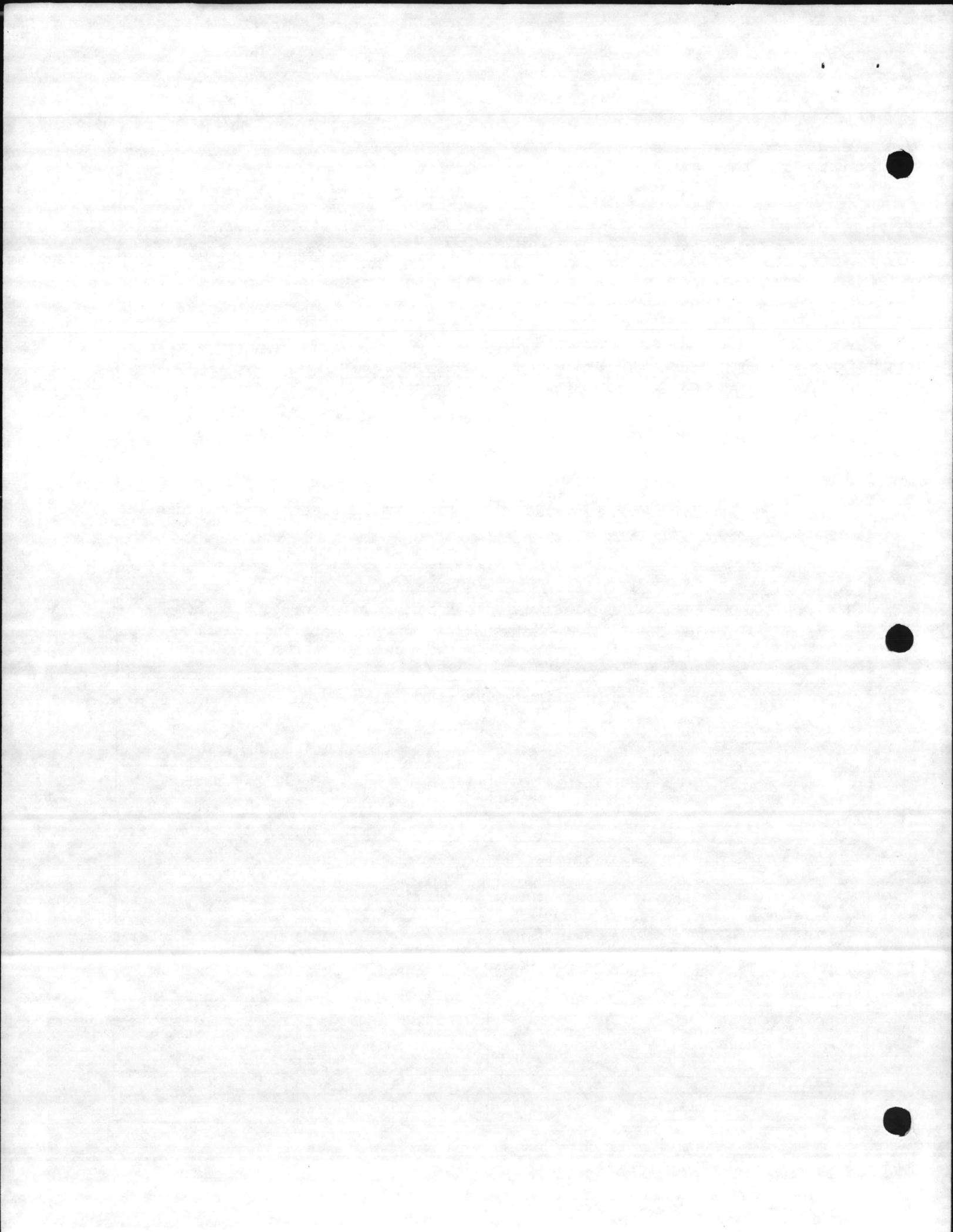
None observed

Offshore Islands

None

Current Direction  
East Carribean Drift

Current Velocity 2.5 FPS



COAST REPORT

3. SEA CONDITIONS

Seasonal Variation of Seas - describe  
 Relative calm except during hurricane season.

Normal Direction Northerly	Avg. Wave Height 2 Ft.	Max. Wave Height 2.8 Ft.	Remarks
Storm Direction Easterly	Storm - Avg. Wave Height 6 Ft.	Max. Wave Height 8 Ft.	Remarks

4. FOG

Period (Month) Negligible (or give details)	Type	Clear by - (Hour)
Time of day - (from)	Time of day - (To)	Remarks

5. WINDS

Seasonal Variation of Winds - describe  
 August - October winds are generally easterly vice northerly

Normal Direction Northerly	Velocity 5 to 10 Kts.	Storm Direction Easterly	Storm Velocity 50+ Kts
-------------------------------	--------------------------	-----------------------------	---------------------------

6. SURF

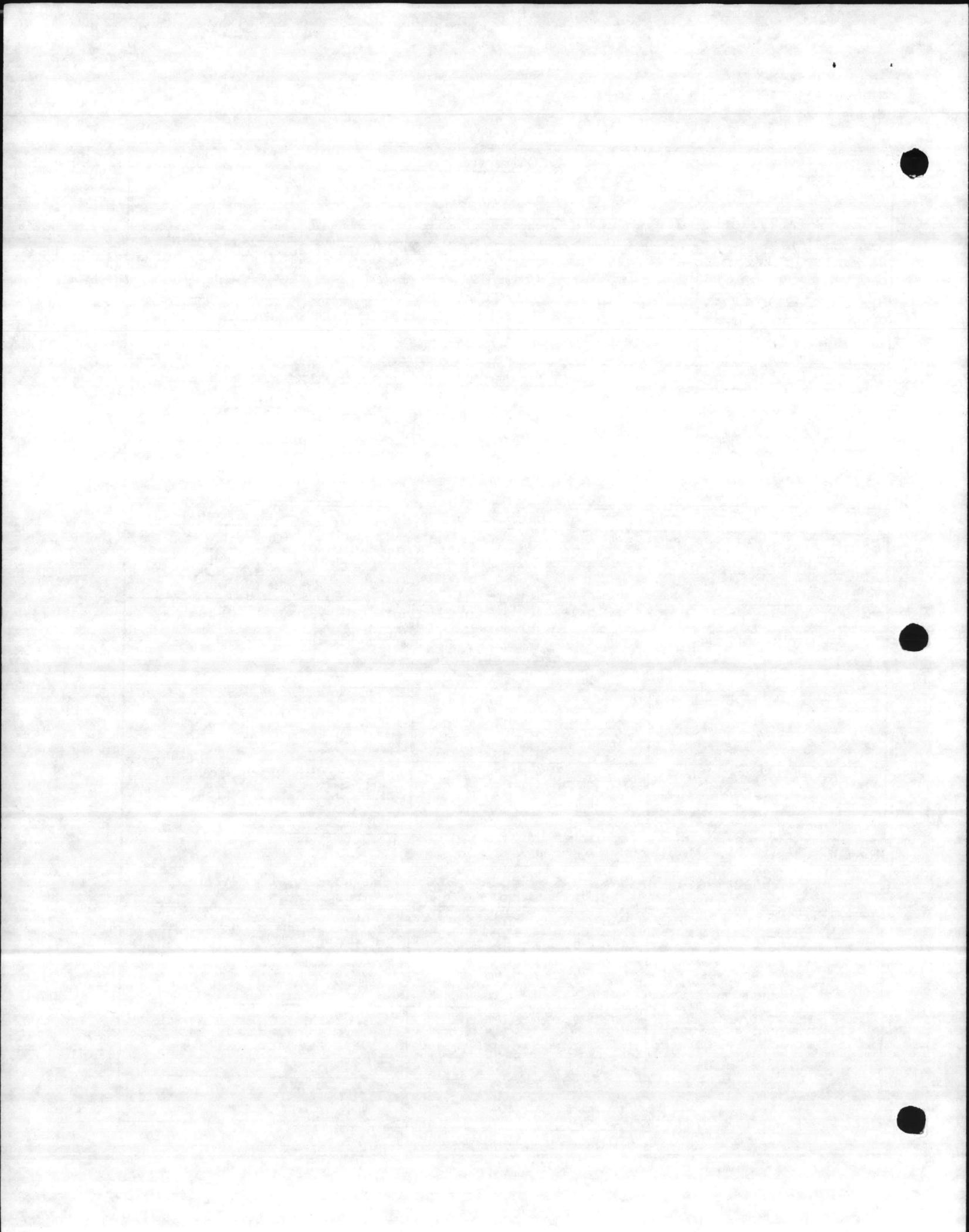
High Tide 110 M	Mid Tide 90 M	Low Tide 70 M
No. of lines of breakers 2	Wave Height 2 Ft	Angle of breakers to general line of beach 20°

Remarks  
 Relative calm at time of observation

7. TIDES

Datum Tegucigalpa	Highest High Water 3.2 Ft.	Lowest Low Water -.8Ft.
Max. Range 4.0 Ft.	Avg. Range 2 Ft.	Min. Range .6 Ft.

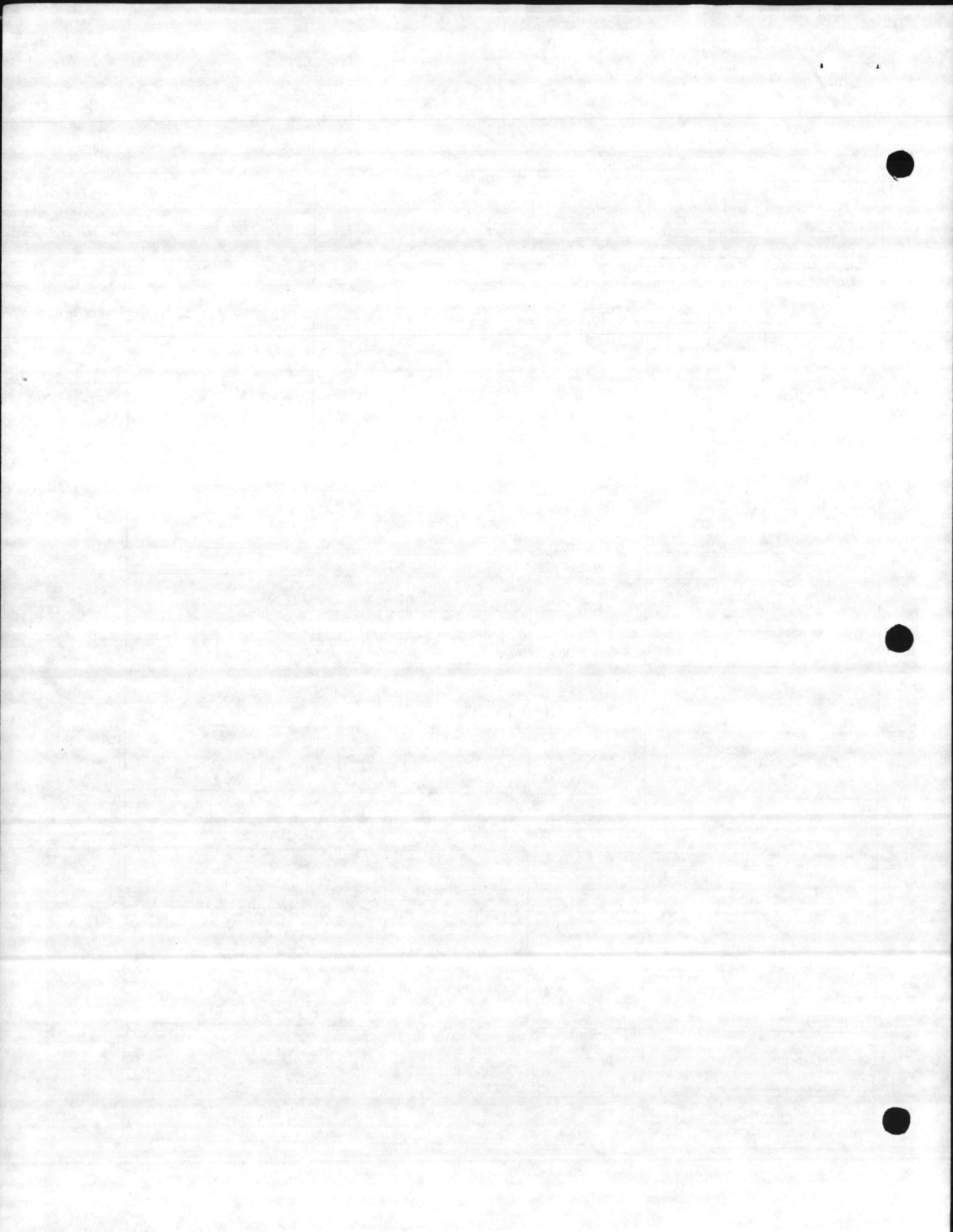
Remarks



COAST REPORT

8. ANCHORAGES					
Location	Depths		Area	Holding Qualities	Protection
	Min.	Max.			
45703456	45 M	58 M	150,000 Sq Meters	Excellent	Poor

9. SPECIFIC REPORTED BEACHES		
Designation	Location	Beach Report Number and Title (Ref. Appendix 2 to Annex A)
Red Beach	43752130	#1 Red Beach
Blue Beach	35672005	#2 Blue Beach
Green Beach	28552125	#3 Green Beach



COAST REPORT

10. PORTS		
Name	Location	Port Information Report Number (Ref. Enclosure 1, Appendix 1 to Annex A)
Puerto Gusto	48754120	#1

11. SHORE

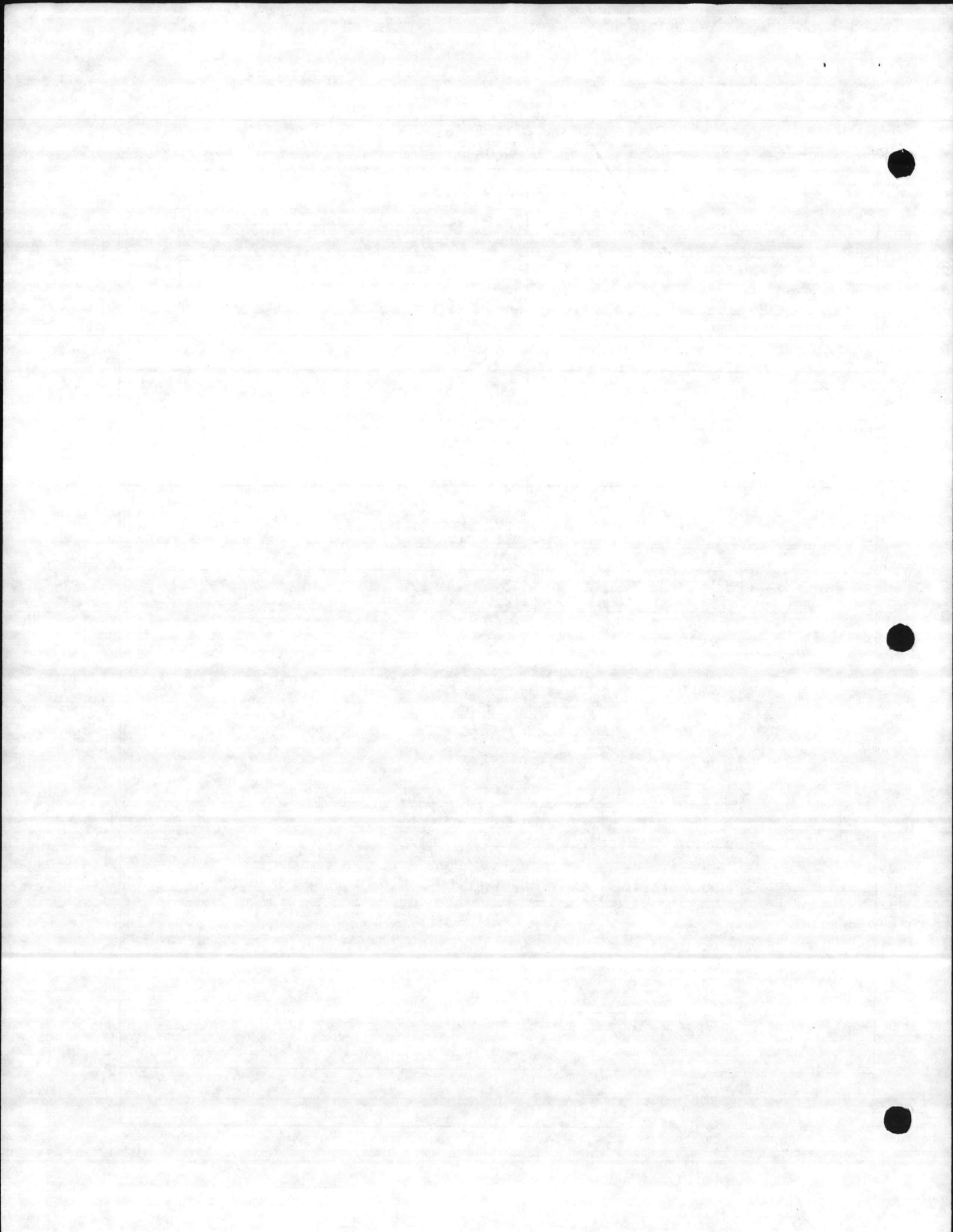
Describe:- (rocky, cliffed, fronted by salt pans, fringing reefs, etc.)  
 Sandy with barrier reef. This reef will not interfere with operations even at low water. Cusps are generally wide averaging 200 - 300 meters.

12. COASTAL TERRAIN

Describe Importance of Features (relief, drainage, etc.)  
 Coastal area rises very gradually. Poor drainage could mean saturated ground. No cliffs or bluffs. Heavy rainforests and intermittent mangrove grows freely and thickly the entire length of the coastal area.

Characteristic Vegetation  
 Mangrove and Rainforest

Provide Concealment?  
 Yes



COAST REPORT

13.

CROSS COUNTRY MOVEMENT

Describe Passibility for Troops and Vehicles

Cross-country movement for vehicles impossible and extremely difficult for troops due to the density of the vegetation.

14.

ROADS

Describe in General Terms Roads, Tracks, and Trails  
(include Width, Type, Surface, and Condition)

Most roads are stabilized soil and rock 4-6 meters wide. Road conditions are such that ruts and potholes could impede speed of convoys.

15.

RAILROADS

Describe briefly - (specify gauge)

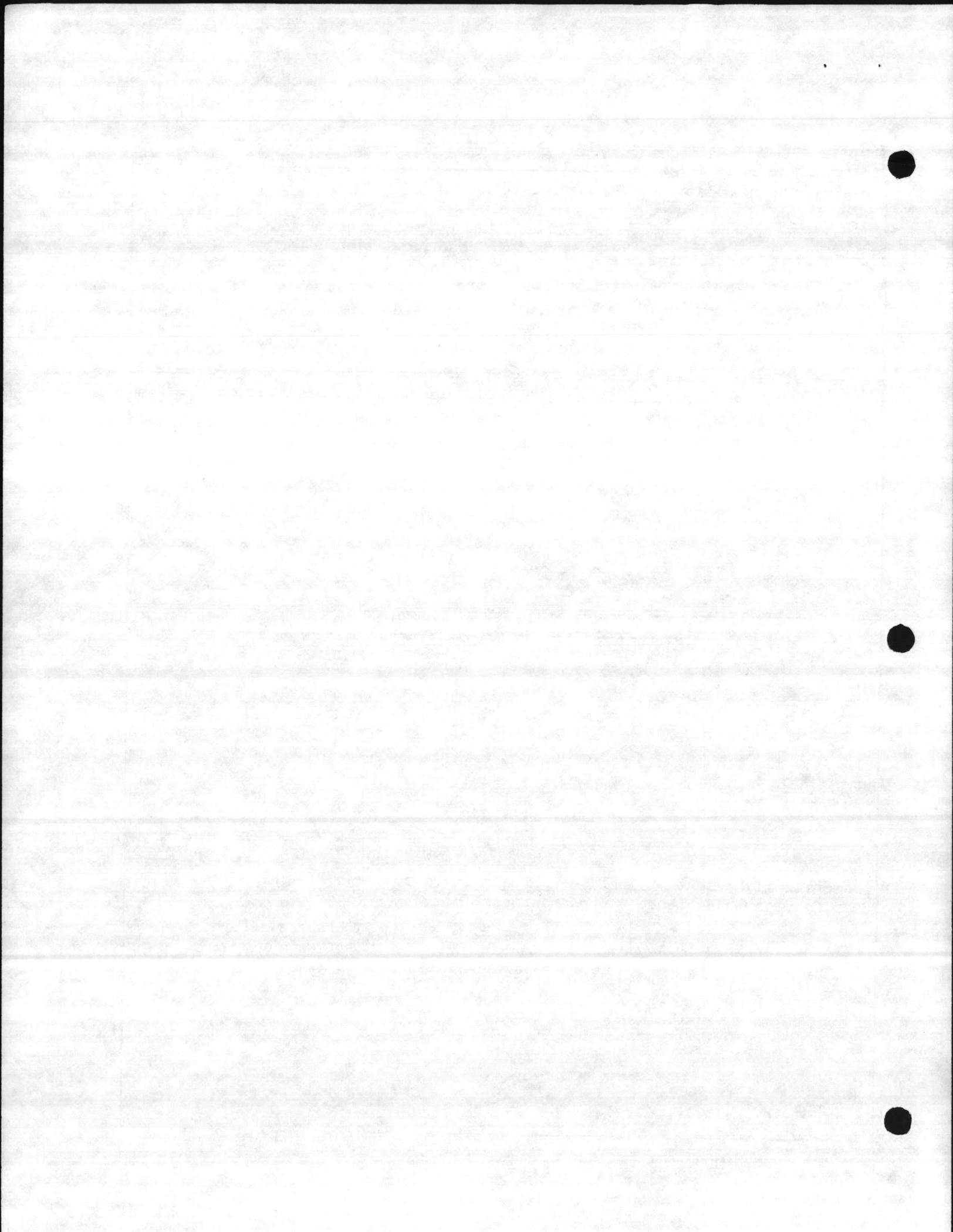
None

16.

RIVERS, STREAMS, INLAND WATERWAYS AND CANALS

Describe if Present - (include approach to river mouth, minimum depth at bar, navigable distance upstream, locks, etc.)

Puerto Gusto is located at the mouth of Rio Miserables. This river runs parallel to the coast app 8 Km inland to a distance of 165 Km. Unfortunately it is shallow and navigable only by local fishing boats and barges.

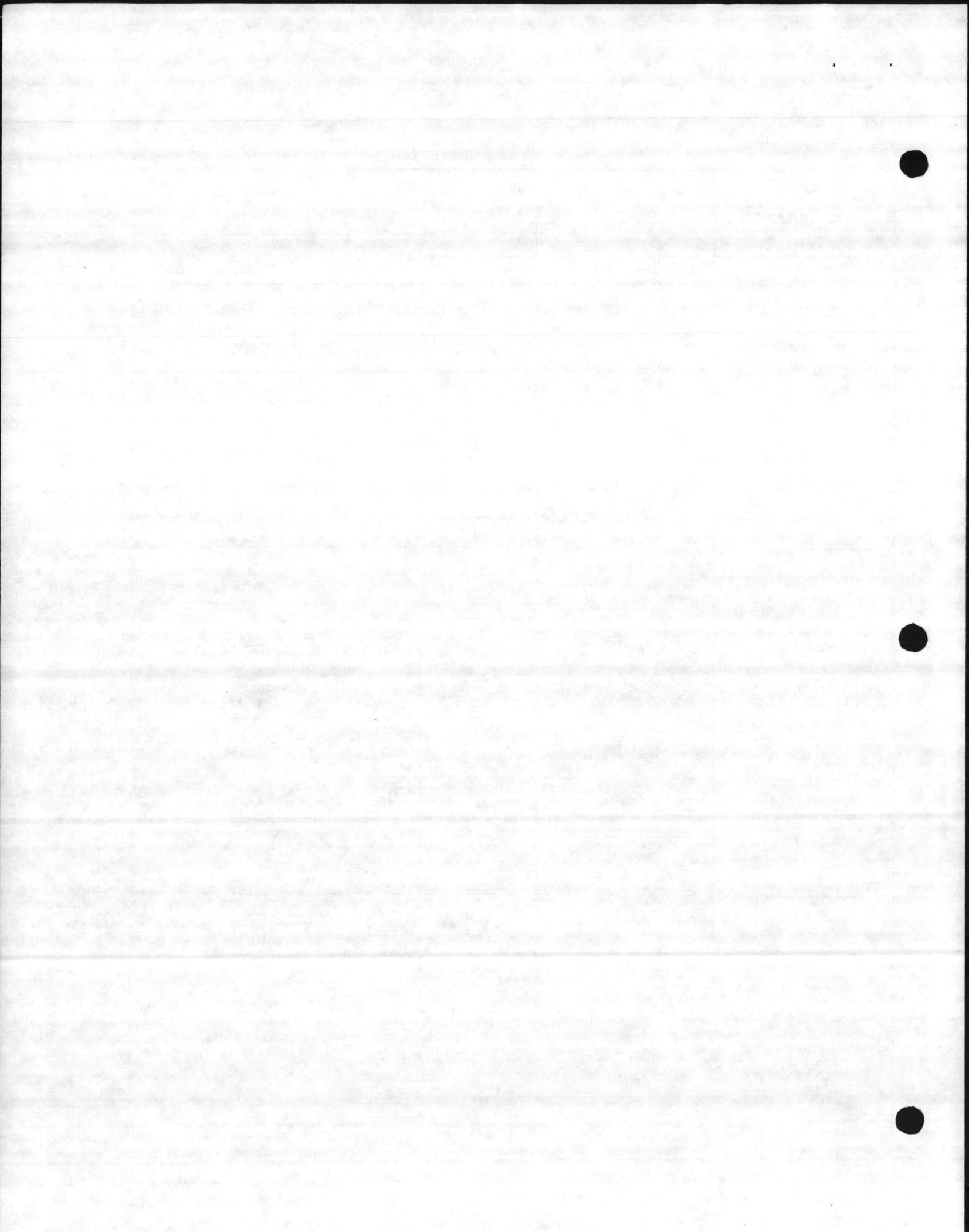


COAST REPORT

17. HELICOPTER LANDING AREAS		
Designation	Location	Helicopter Landing Area Report Number (Ref. Enclosure 2, Appendix 1 to Annex A)
Vulture	45712317	1
Buzzard	36224116	2
Crow	25312406	3

18. AIR FACILITIES			
Designation	Location	Type	Airport or Landing Field Report Number (Ref. Enclosure 3, Appendix 1 to Annex A)
Puerto Gusto Airport	Puerto Gusto	Commercial	1

Remarks Airport has a good runway but poor (dilapidated) facilities. Airport is a 1 runway commercial facility utilized by TANSANSA and TACA Airlines. Runway is marked to 6000 Ft.



COAST REPORT

19. URBAN AREAS(See Urban Areas Reports)

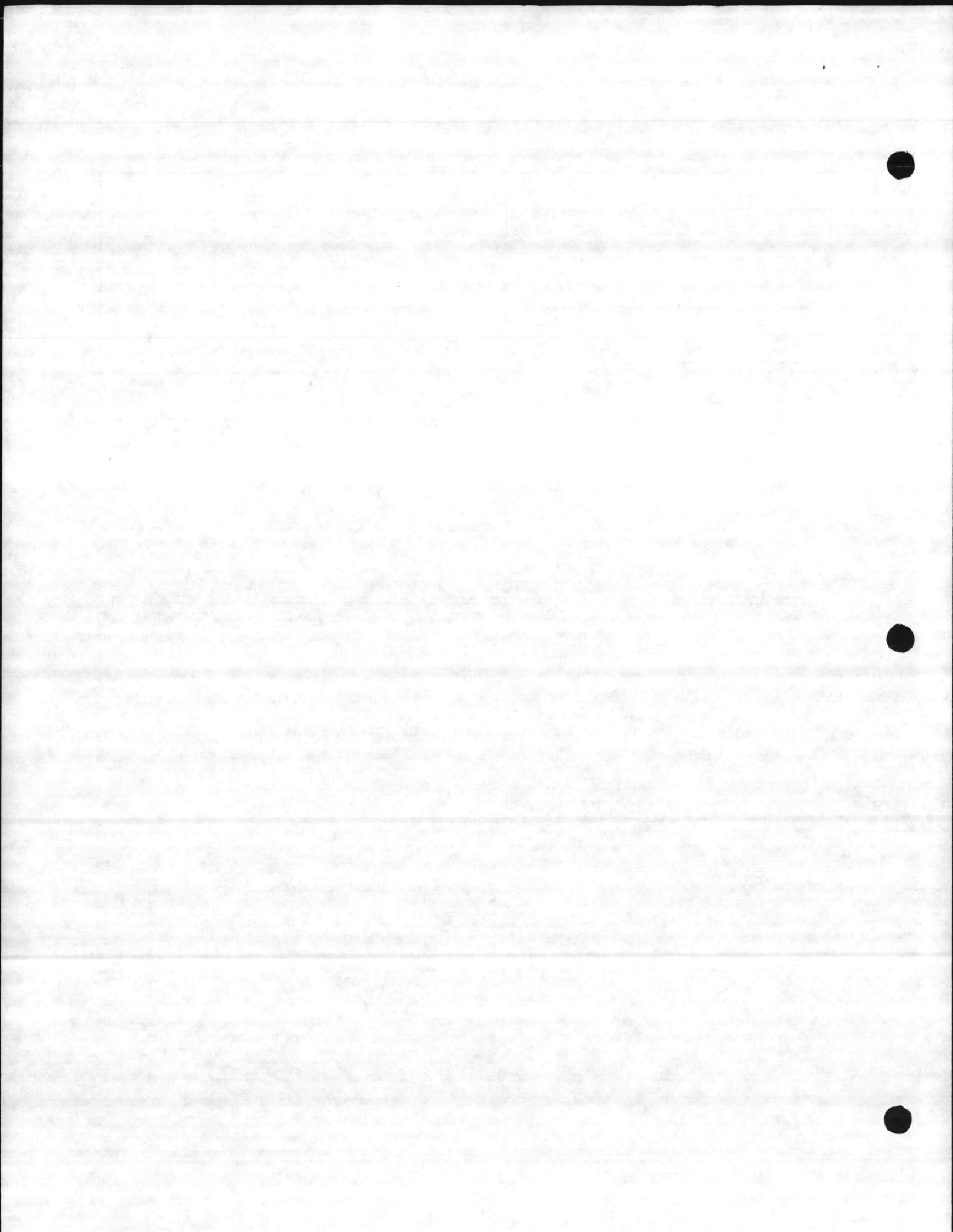
Local Placename	Location	Urban Areas Report Number
Puerto Gusto	48752130	1
San Ignacio	35672120	2
Santa Juliana	25552130	3

20. ARTIFICIAL STRUCTURES

Give Type, Location, Size, Condition, etc.  
(Jetties, piers, groins, docks, etc.)

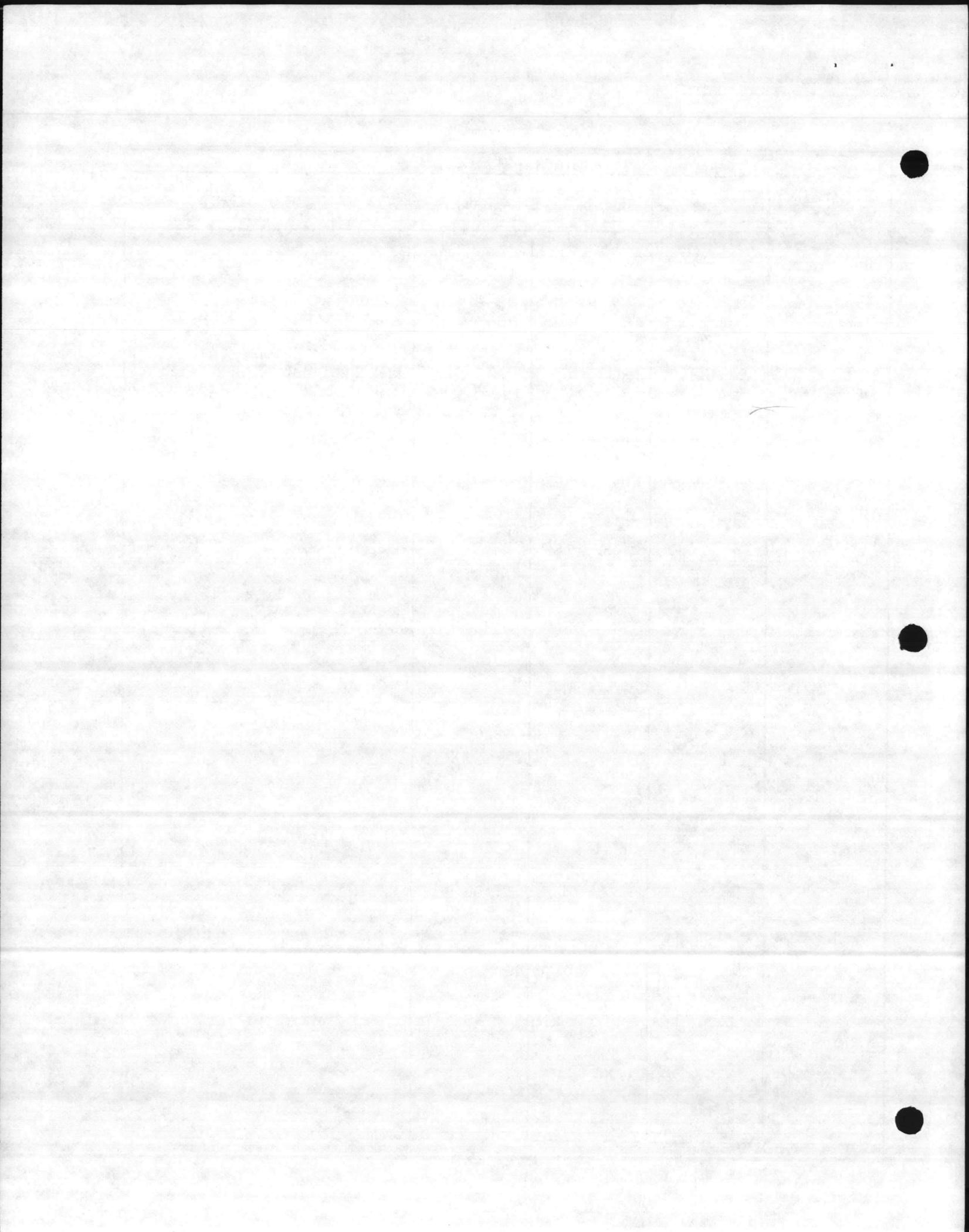
Fishing pier extending app 200 M from shore. Dilapidated.  
UTM 41022121

Fishing pier extending app 135 M from shore. Dilapidated.  
UTM 25672125



## COAST REPORT

21. PHOTOGRAPHIC COVERAGE				
Photo Designation	Type	Location	Date	Description
Roll #1				
1-6	35mm BW	Puerto Gusto	850401	Pan of Puerto Gusto
7	35mm BW	Puerto Gusto Airport	850401	Control tower
8-20	35mm BW	Red Beach	850410	Pan of Red Beach
21	35mm BW	Red Beach	850410	Mangrove east of Red Beach
22	35mm BW	Red Beach	850410	Fishing Pier West of Red Beach

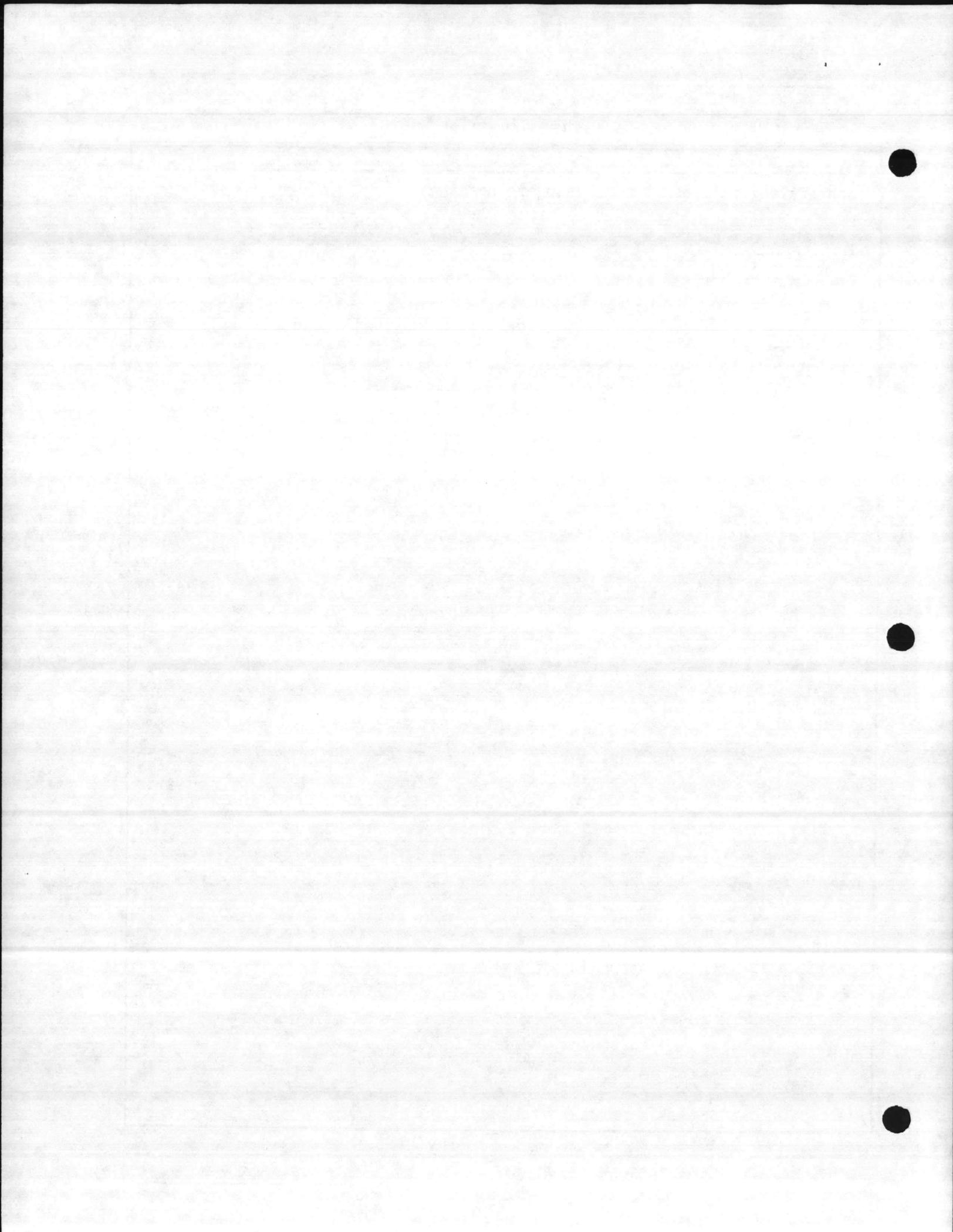


COAST REPORT

22.

ADDITIONAL REMARKS

Identify any entries by major subject heading

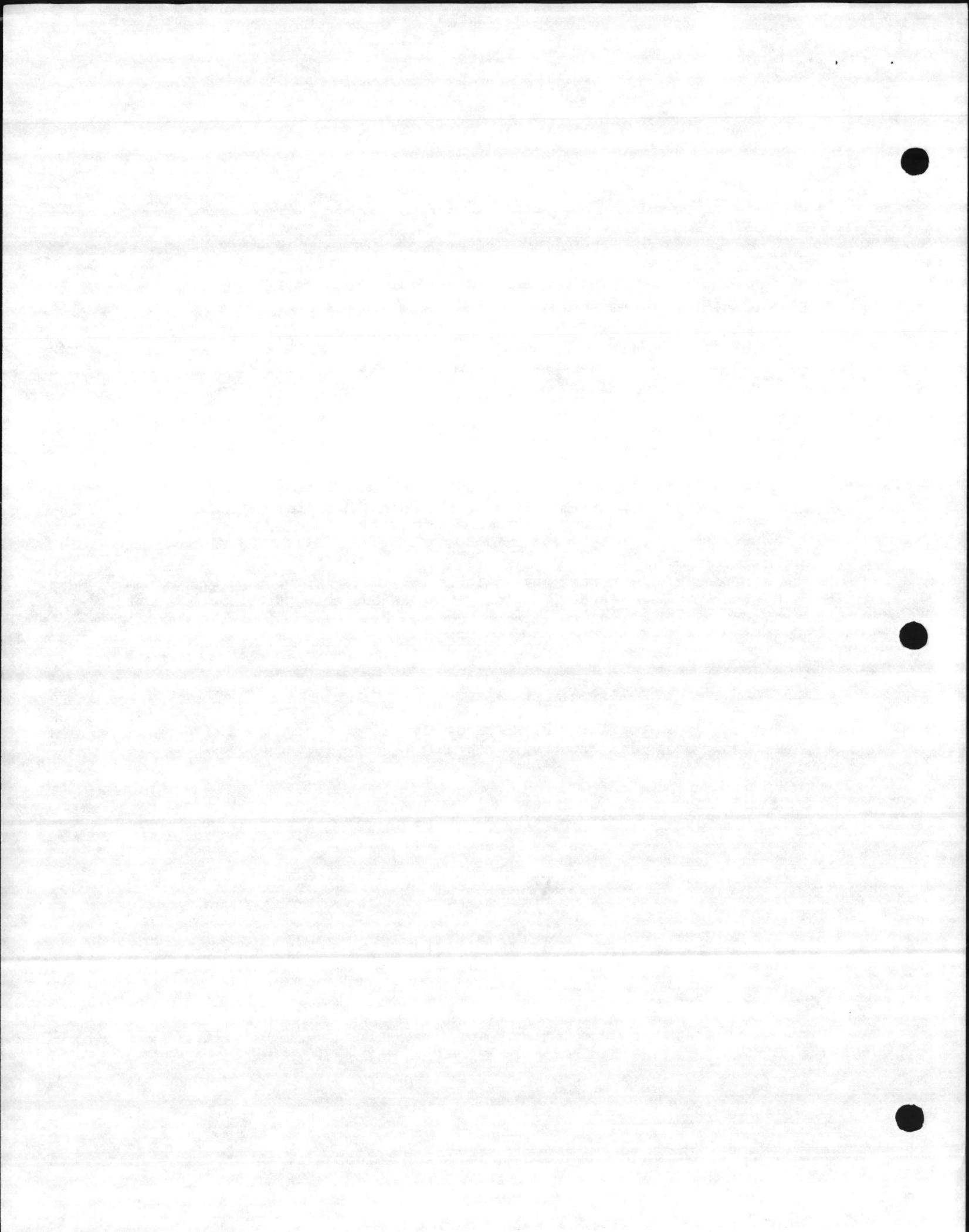


PORT INFORMATION (Enclosure 1)

Admin Heading

Classification: Disregard. Will be classified by proper agency. The rest is real tough. Country and date.

1. Local Placename
2. Charts/Maps Reference  
List by title, scale, series, and sheet number
3. Latitude and longitude
4. UTM Coordinates
5. Approaches  
What are they? Natural lanes? Dredged lanes? How are they marked?  
Day bouys? Night Bouys? Lights? Spray Paint?
6. Protection and Anchorage  
Is it protected from storms? How well? Does the bottom have good holding qualities? How big?
7. Importance  
The function of the port. Why is it there? i.e. Import/export, tourism (does the Love Boat stop here?), military ( is it the home of the Soviet South Atlantic Fleet?), shipbuilding, repairs, etc... Repeat; What is the function of that port?
8. Number of Piers  
How many? (No kidding; 1, 2, 3, 4, ...)
9. Repair and/or Shipbuilding Facilities  
Yes or no. What size capacity? How many? Where is the nearest surveyed landing place.
10. Detailed Information on Piers  
Self-explanatory. Under remarks mention what size of vessel docks there.
11. Port Photography  
Self-explanatory
12. Sketch



CLASSIFICATION

Enclosure 1, Appendix 1 to Annex A						
PORT INFORMATION						
Country Honduras			Date 850420			
1. Local Placename Puerto Gusto		2. Charts/Map Reference Honduras 1:50,000 Series L731 Sheet 1368II				
3. Latitude and Longitude Lat 12° 10' 15" Long 78° 12' 15"			4. Military Grid Coordinates  48752134			
5. Approaches Approaches to the harbor are lanes marked by bouys						
6. Protection and Anchorage Since the harbor is on the sheltered side of Puerto Gusto from the sea, it provides excellent protection. Anchorage is limited due to size.						
7. Importance Puerto Gusto is the only harbor facility for over 150 miles east or west along the coast.						
8. No. of Piers 4	9. Repair and/or Shipbuilding Facilities Adequate repair facilities are available at the port athority. No shipbuilding facilities.			Nearest Surveyed Landing Place		
				Designation	Distance	
				Red Beach	50 Km	
10. Detailed Information on Piers						
Location and Local Designation	Length	Width	Type Construction and Condition	Min. Depth at Pier		Remarks
				LW	HW	
Pier 1	120'	30'	Wooden Piles/Fair	10M	10.8M	
Pier 2	120'	30'	Wooden Piles/Fair	10M	10.8M	
Pier 3	120'	30'	Wooden Piles/Fair	9.7M	10M	
Pier 4	250'	60'	Concrete/New	13M	13.3M	

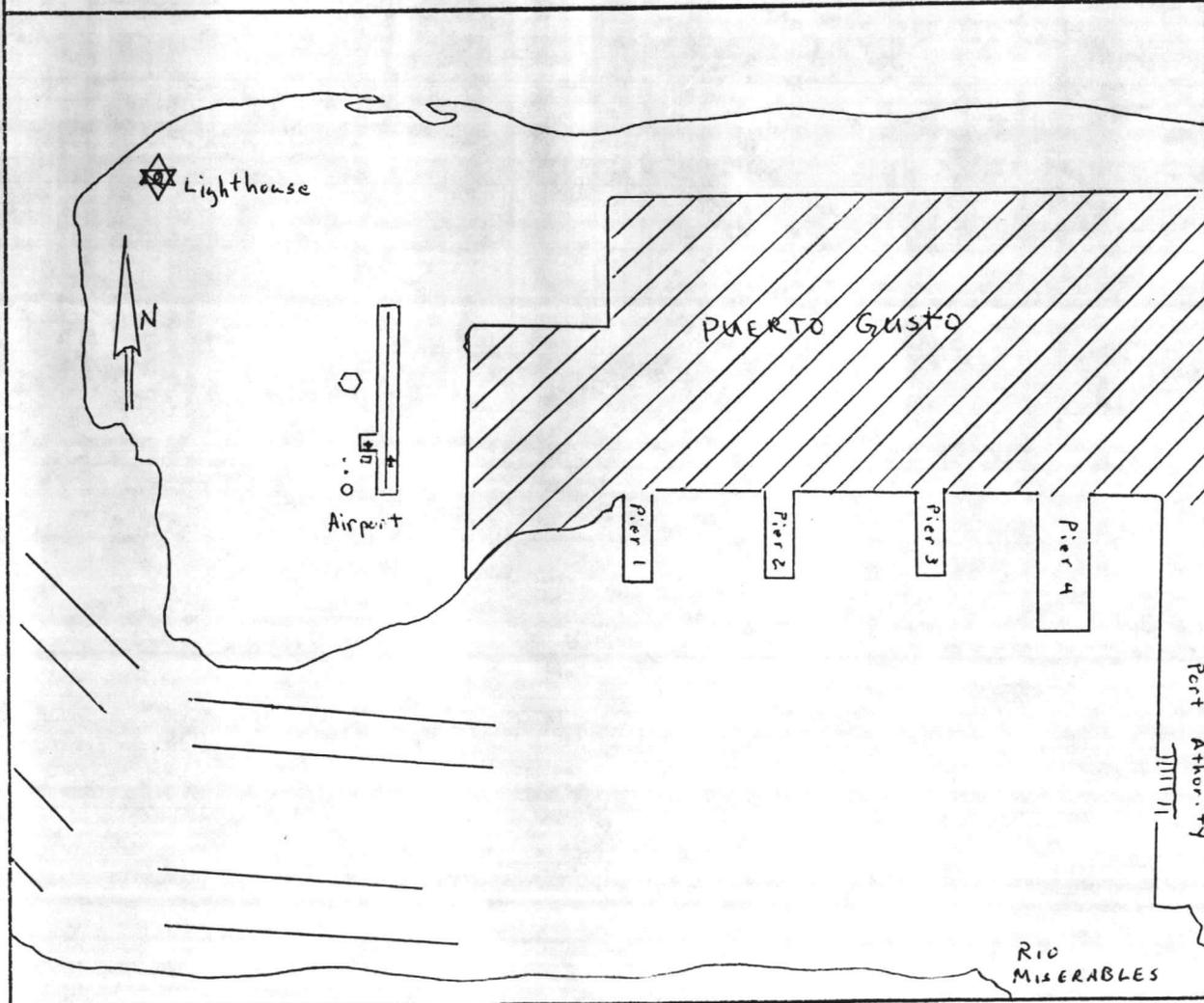


CLASSIFICATION

PORT INFORMATION

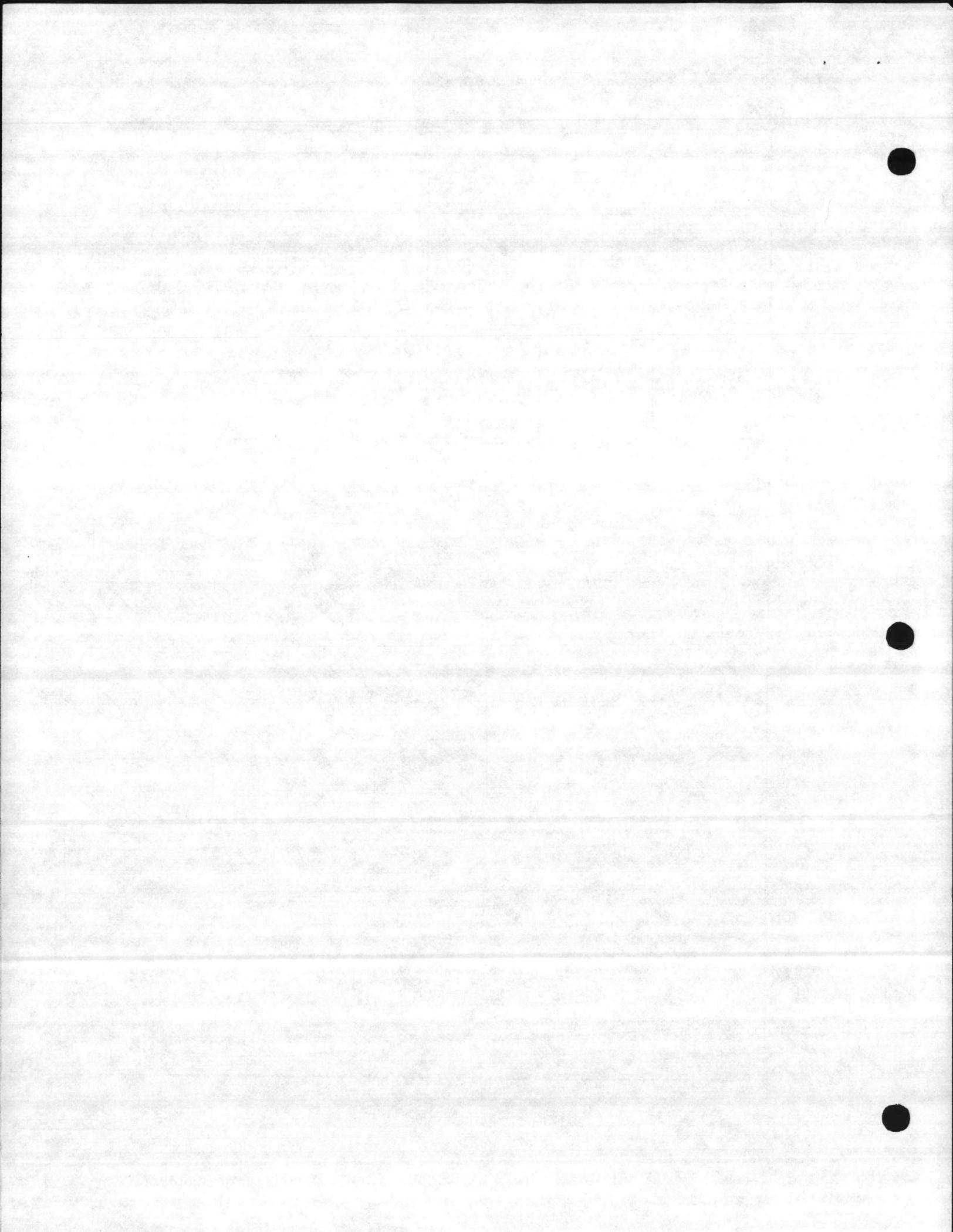
11. PORT PHOTOGRAPHY				
Date/Time	Location	Direction	Subject	Remarks
850420/0900	Puerto Gusto	North	Pier 1	Roll 1 Shot 23
-do-	-do-	-do-	Pier 2	Roll 1 Shot 24
-do-	-do-	-do-	Pier 3	Roll 1 Shot 25
-do-	-do-	-do-	Pier 4	Roll 1 Shot 26
-do-	-do-	South	Port Authority	Roll 1 Shot 27

12. SKETCH



CLASSIFICATION

Enclosure (1)



## HELICOPTER LANDING AREA (Enclosure 2)

### Admin Heading

Designation: Bird's name, date, lat and long, grid coordinates, map reference.

### 1. Terrain

Description: What is it? Hospital parking lot, school playground, forested plateau, hill #, Etc...

Usage: What is it used for? Or, not used for. (Active/abandon)

Suitability: Excellent, Good, Fair, Poor

#### Landing

Obstructions: Trees that must be cleared, power lines, flag poles, buildings, etc...

Shape: Round, oval, square, rectangular, etc...

Size: Dimensions. Diameter if round; L x W if square

Remarks:

Slope: If any or flat

Elevation:

### 2. Materials

Surface Material: Rock, asphalt, concrete, stabilized soil, etc.

Trafficability: How stable is it for vehicle and troop movement?

Condition: Excellent, Good, Fair, Poor

CBR#: N/A

Exits: Roads or paths and widths, breaks in terrain

Cover and Concealment: Describe

Landmarks: Identifying features (natural or man-made) visible from the air.

Remarks

### 3. Sketch

3.5.

2.1

Enclosure 2, Appendix 1 to Annex A

HELICOPTER LANDING AREA

Designation Vulture

Date 850413

Longitude and Latitude

Military Grid  
Coordinates

Chart/Map Reference

Long 79° 25' 14"  
Lat 10° 14' 13"

45712317

Honduras 1:50,000  
Series 731 Sheet 1369II

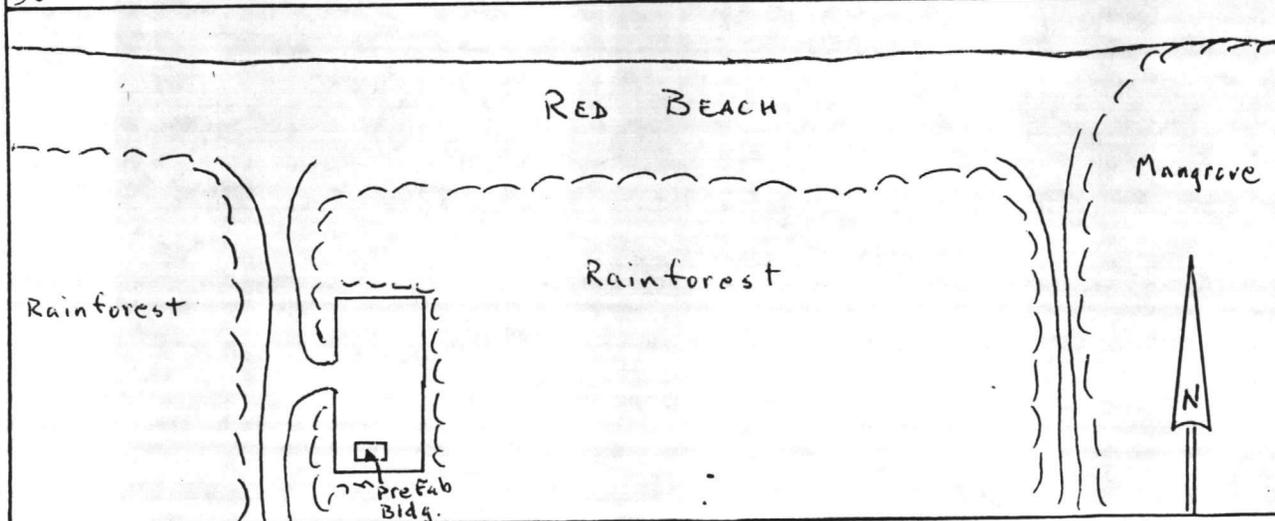
1. TERRAIN

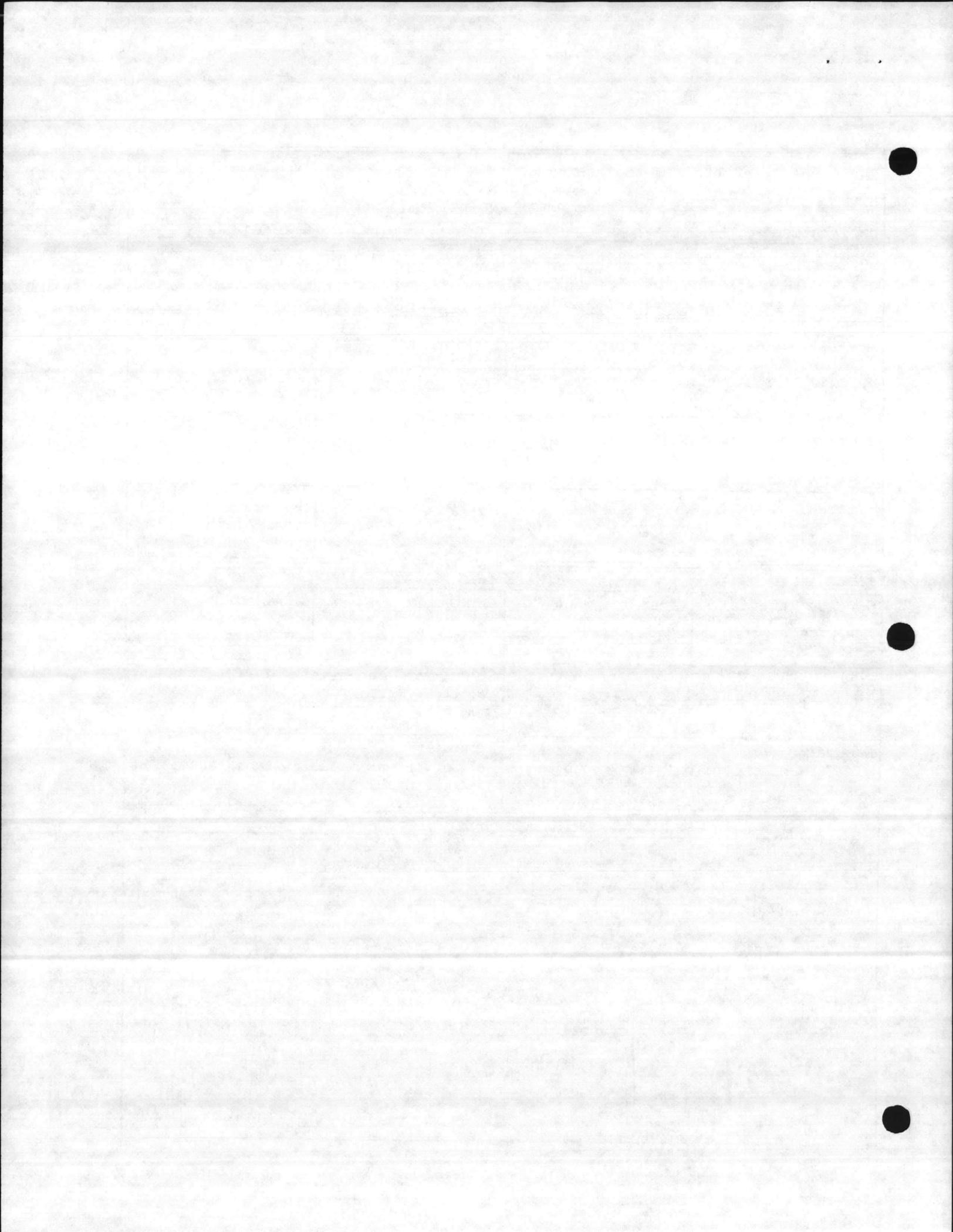
Description Abandon road construction headquarters	Usage None	Suitability Excellent
Landing Obstructions None	Shape Rectangular	Size 150M x 200M
Remarks LZ has access to exit road from Red Beach	Slope Flat	Elevation 8.7M

2. MATERIALS

Surface Material Stabilized soil	Trafficability Good	Condition Good	CER# N/A
Exits Stabilized soil and gravel road 6M in width	Cover and Concealment Excellent from ground. Clearly visible from air.		
Landmarks Prefab Pasco type building south end of LZ	Remarks Convenient location, good access, already cleared		

3. ORIENTATION SKETCH





## AIRPORTS AND IMPROVED LANDING FIELDS (Enclosure 3)

### Admin Headings Self-explanatory

Much of the information required of the Airports and Improved Landing Fields Report can be obtained from an airport guide.

#### 1. Runways

Axis: Is in Azimuth (magnetic). Distance to obstructions: In other words; How far is it before an aircraft will clear the nearest 50' and 100' obstacle, respectively?

#### 2. Taxiways

Design: (From airport Guide)

Remarks: What type aircraft will it accomodate?

#### 3. Facilities

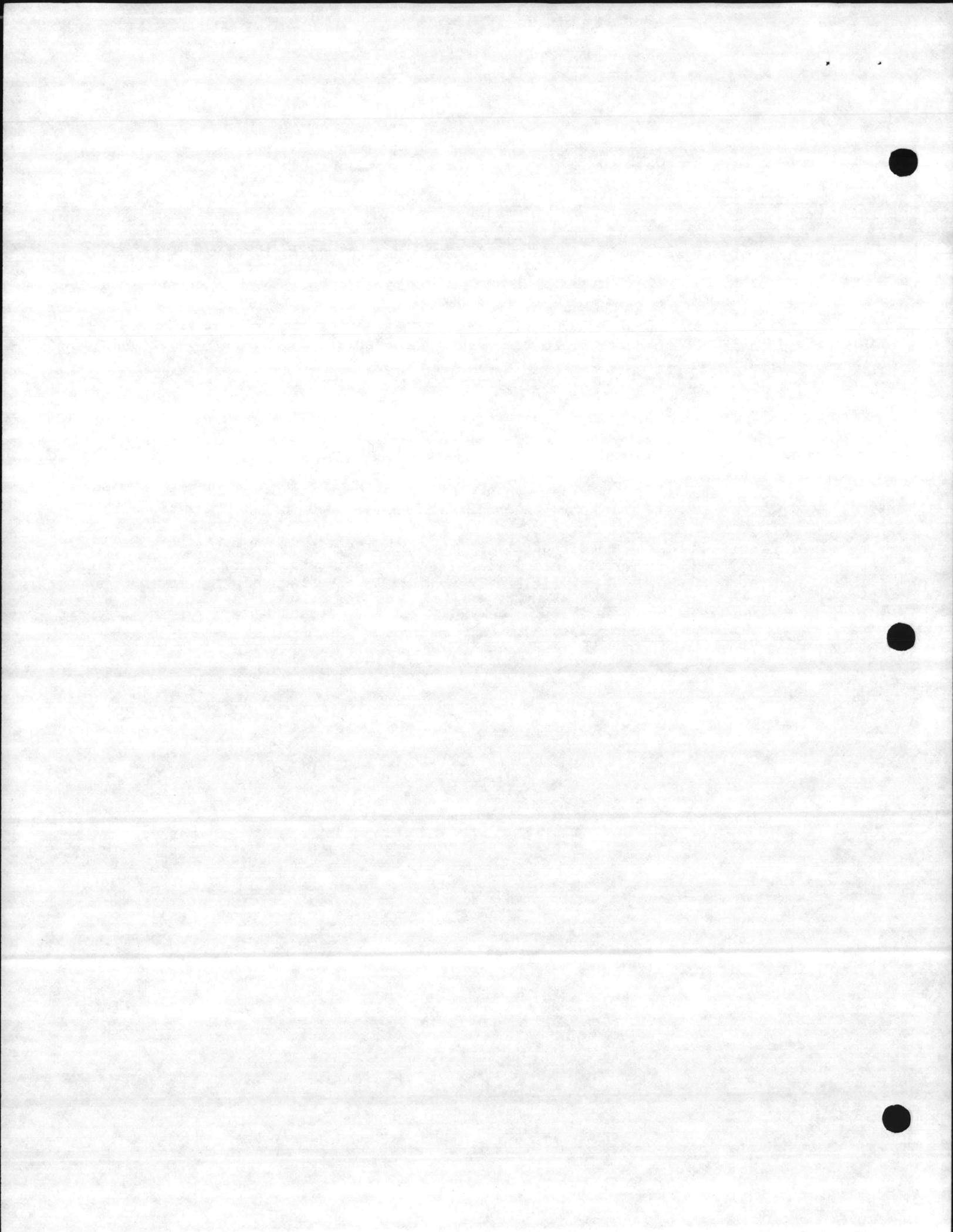
Tower: Active or no. Positive AC Zone usually can be obtained from guide.

Fuel Farm: Yes/No. Coordinates of fuel farm. Types of fuel and capacity for holding.

Hangers and Maintenance Facilities: (From Guide)

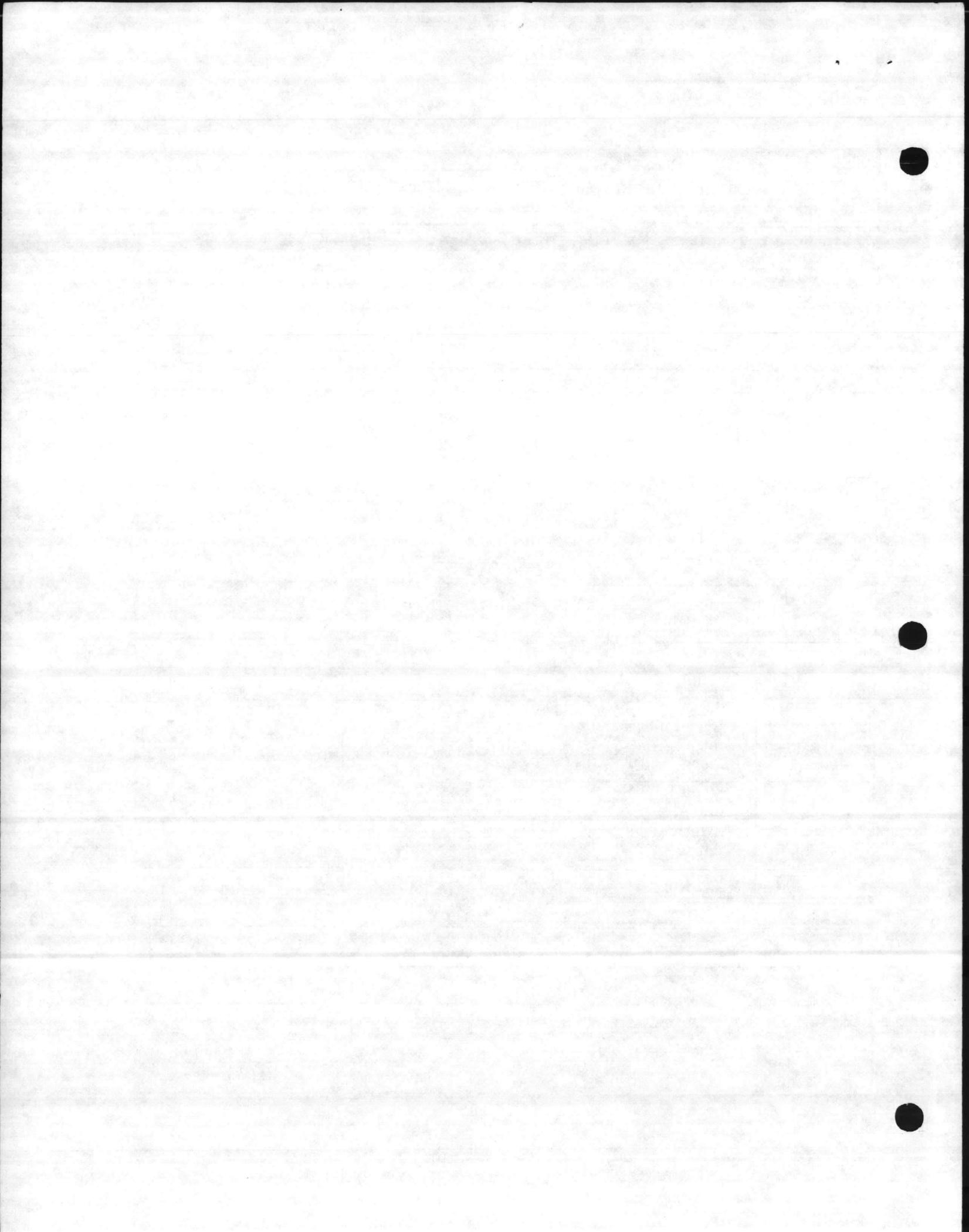
Radio, Comm, and Nav.: (Guide) These are important but if not readily available from guide or other source, you may not be able to obtain

#### 4. Sketch



CLASSIFICATION

Enclosure 3, Appendix 1 to Annex A									
AIRPORTS AND IMPROVED LANDING FIELDS									
Local Name <u>Gusto International</u>						Date <u>850412</u>			
Latitude and Longitude		Military Grid Coordinates			Chart/Map Reference				
Lat <u>12° 10' 15"</u> Long <u>78° 12' 15"</u>		<u>48762130</u>			Honduras 1:50,000 Series L731 Sheet 1368II				
Number of Runways		Classification			Operator				
1		(If Available)			TACA and TANSANSA Commercial Airlines				
1. RUNWAYS									
Axis	Length	Width	Material	Condition	Distance to Obstruction		Lights	Remarks	
					50'	100'			
<u>317°</u>	6000'	200'	Concrete	New	940M	2.1 K	Yes		
2. TAXIWAYS									
Design	Width	Material	Condition	Lighted	Remarks				
	200'	Concrete	New	Yes	Will accommodate C-5				
3. FACILITIES									
Active Tower		Fuel Farm		Types of Fuel Held		Number and Type of Hangars		Radio, Comm. and Nav.	
<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	Type	Qty.			Freq	Type
Positive ATC Zone		UTM Grid Coord.		J-5	100,000	Maintenance Facilities			
		<u>48772120</u>		Diesel	5,000				
				POL	5,000	None			
4. ORIENTATION SKETCH									



URBAN AREAS (Enclosure 4)

Local Name

Lat and Long

Coordinates: Specific enough to locate it on a map

Population: Include year of census or estimate

Type and Size: What is it? Major urban are, town, villiage.

Map/Chart Reference

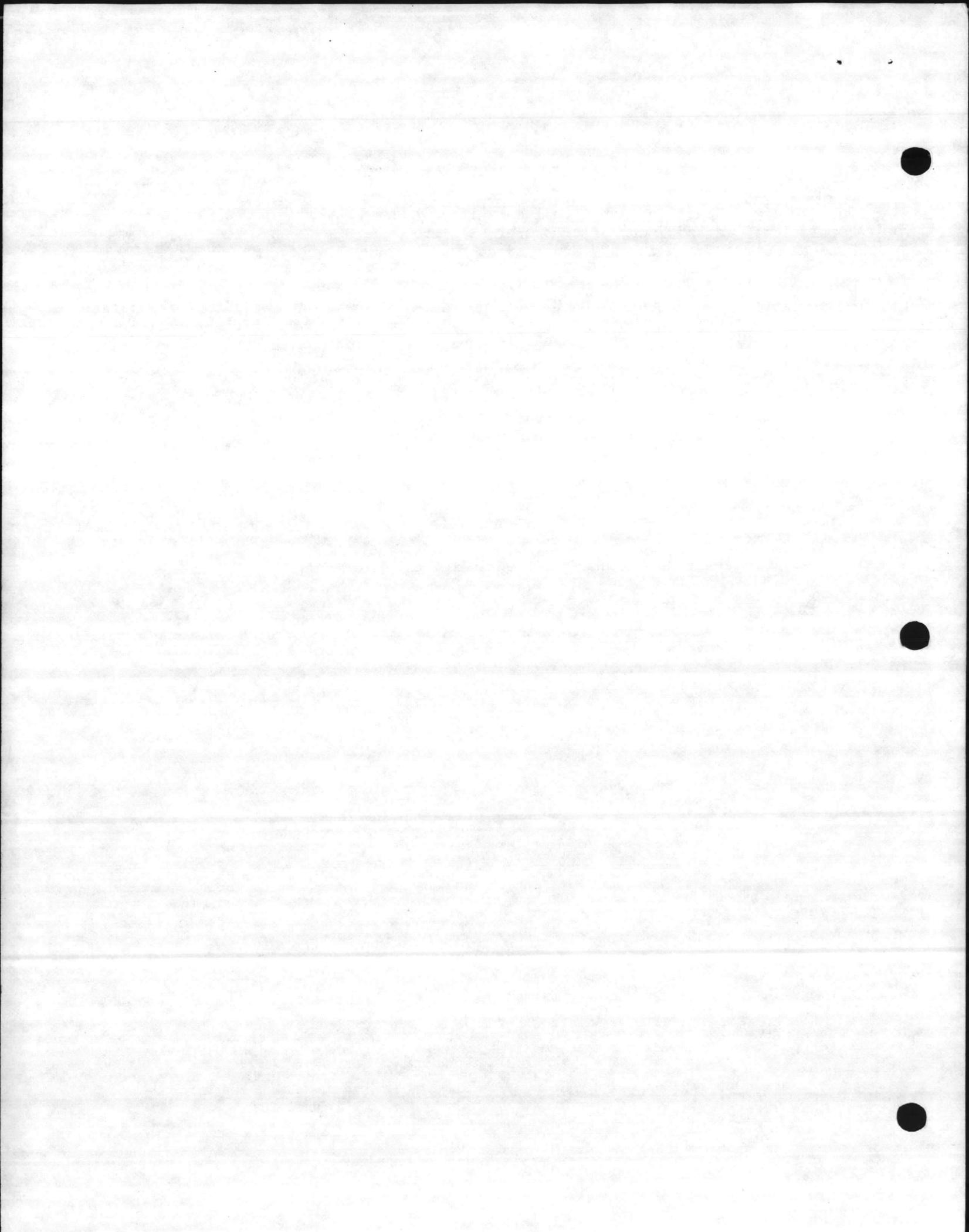
Distinguishing Characteristics

Importance: Why is it important? Include such information as military facilities, strength, unit identification, administrative function, commercial value (import/export, airlines, transportation, communication), etc.

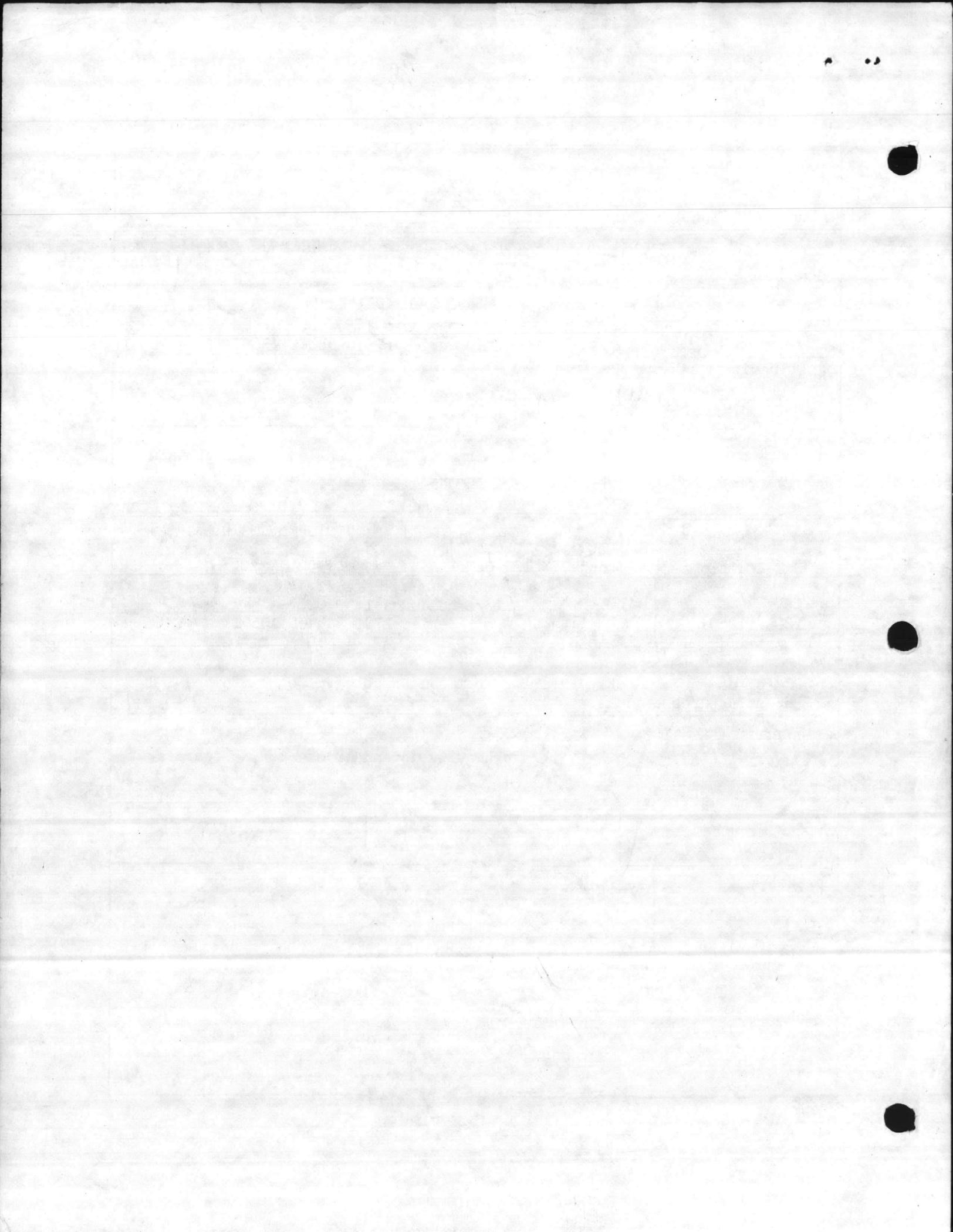
LIST ALL URBAN AREAS IN YOUR COASTAL AREA CONSIDERED

\*Use as many extra sheets as necessary on any or all enclosures to include all points of intrest in the coastal area being considered.

Additional question/answer period followed by summary.



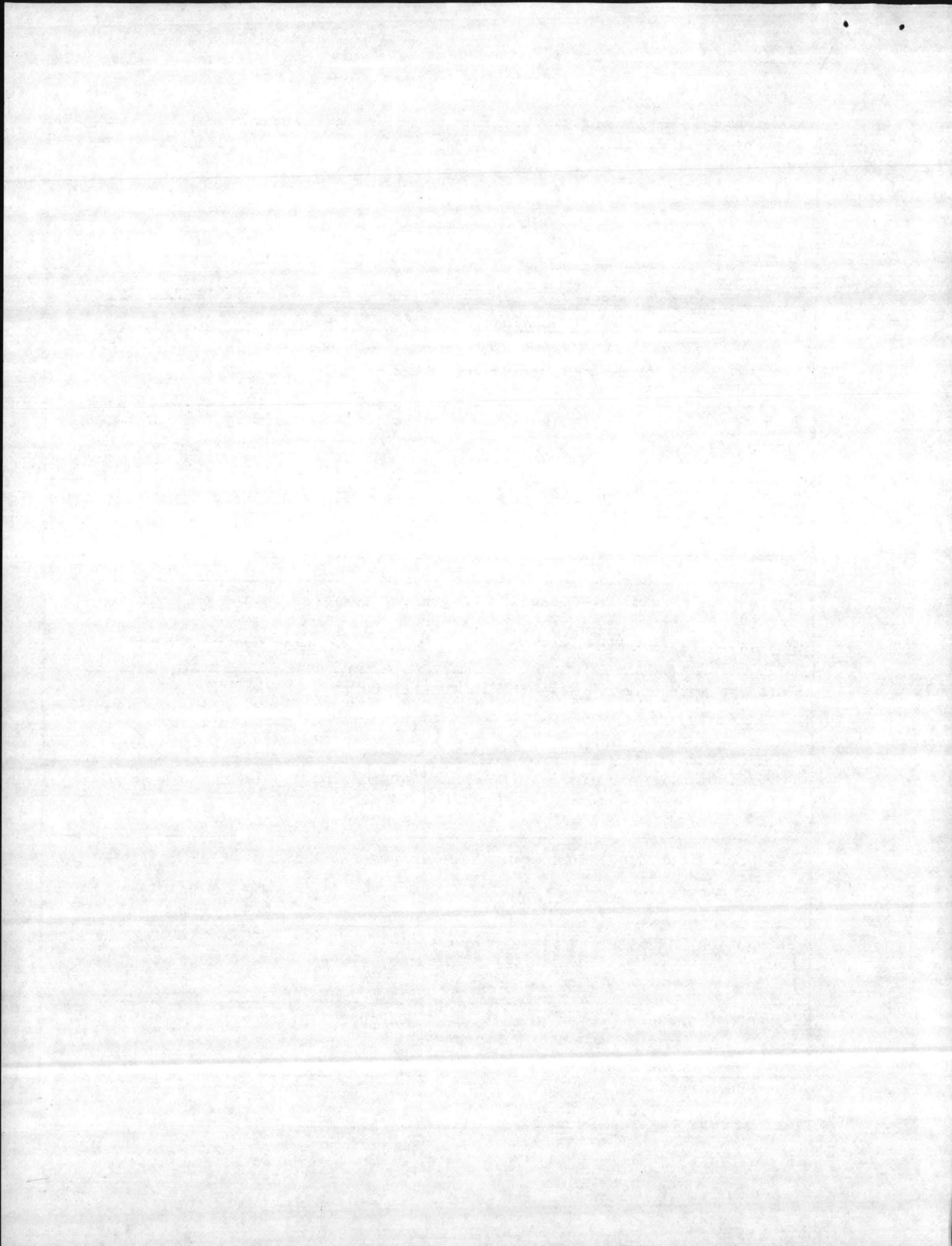
URBAN AREAS		
Country Honduras		Date 850412
Local Placename Puerto Gusto	Latitude and Longitude Lat 12° 10' 15" Long 78° 12' 15"	UTM GRID COORDINATES 48752134
Population 27,000 (1980)	Type or Size Major Urban Area	Map/Chart References Honduras 1:50,000 Series L731 Sheet 1368II
Distinguishing Characteristics Single runway airfield, 4 pier harbor,		
Importance Harbor facilities, airport, commercial and communications center. Provincial capitol of Chinchilla.		
Local Placename San Ignacio	Latitude and Longitude Lat 12° 10' 14" Long 78° 12' 04"	UTM GRID COORDINATES 43752134
Population 1200 (1980)	Type or Size Small fishing villiage	Map/Chart References Honduras 1:50,000 Series L731 Sheet 1369II
Distinguishing Characteristics Domiciles are of mostly inferior frame construction. No reenforced cement structures evident.		
Importance Very little. Fishing villiage heavily dependant on outside sources.		
Local Placename	Latitude and Longitude	UTM GRID COORDINATES
Population	Type or Size	Map/Chart References
Distinguishing Characteristics		
Importance		



UNCLASSIFIED

CLASSIFICATION

Appendix 1 to Annex A		C. I. R. #
COAST INTELLIGENCE REPORT		
Country U.S.A Sector <i>Onslow Beach North</i>		Date <i>920408</i>
1. BOUNDARIES OF REPORTED AREA		
Location (by Major Landmarks) <i>EASTERN Boundary Limit is Riseley Pier Western Boundary is THE New River Inlet</i>		
Left flank Longitude and Latitude <i>LONG 77° 18' 31"</i> <i>LAT 34° 32' 37"</i>	Left flank Military Grid Coordinates <i>18STP 88122460</i>	
Right flank Longitude and Latitude <i>LONG 77° 17' 12"</i> <i>LAT 34° 33' 29"</i>	Right flank Military Grid Coordinates <i>18STP 90182613</i>	
2. APPROACHES		
Nearshore Approaches - describe in general terms (shoreline to 5 fathom curve) <i>CURRENT Hydrography, shows nearshore approach is clear of any navigational hazards. Ocean floor is evenly contoured from shoreline to 5 fathoms.</i>		
Offshore Approaches - describe in general terms <i>OFFSHORE APPROACHES ARE CLEAR OF NAVIGATIONAL HAZARDS.</i>		
Approx. Dist., Shore to 3 fathom curve <i>.5 km.</i>	Approx. Dist., shore to 5 fathom curve <i>.21 Km</i>	
Meteorological Conditions - describe in general terms <i>Humid, Hot, Calm.</i>		
Navigation Landmarks <i>Riseley Pier is located just beyond the beach's right flank, and Passet Observation Tower is just beyond the beach's left flank</i>		
Dangers (Obstacles) <i>None</i>	Offshore Islands <i>None</i>	
Current Direction <i>EASTLY</i>	Current Velocity <i>2.3 FB</i>	

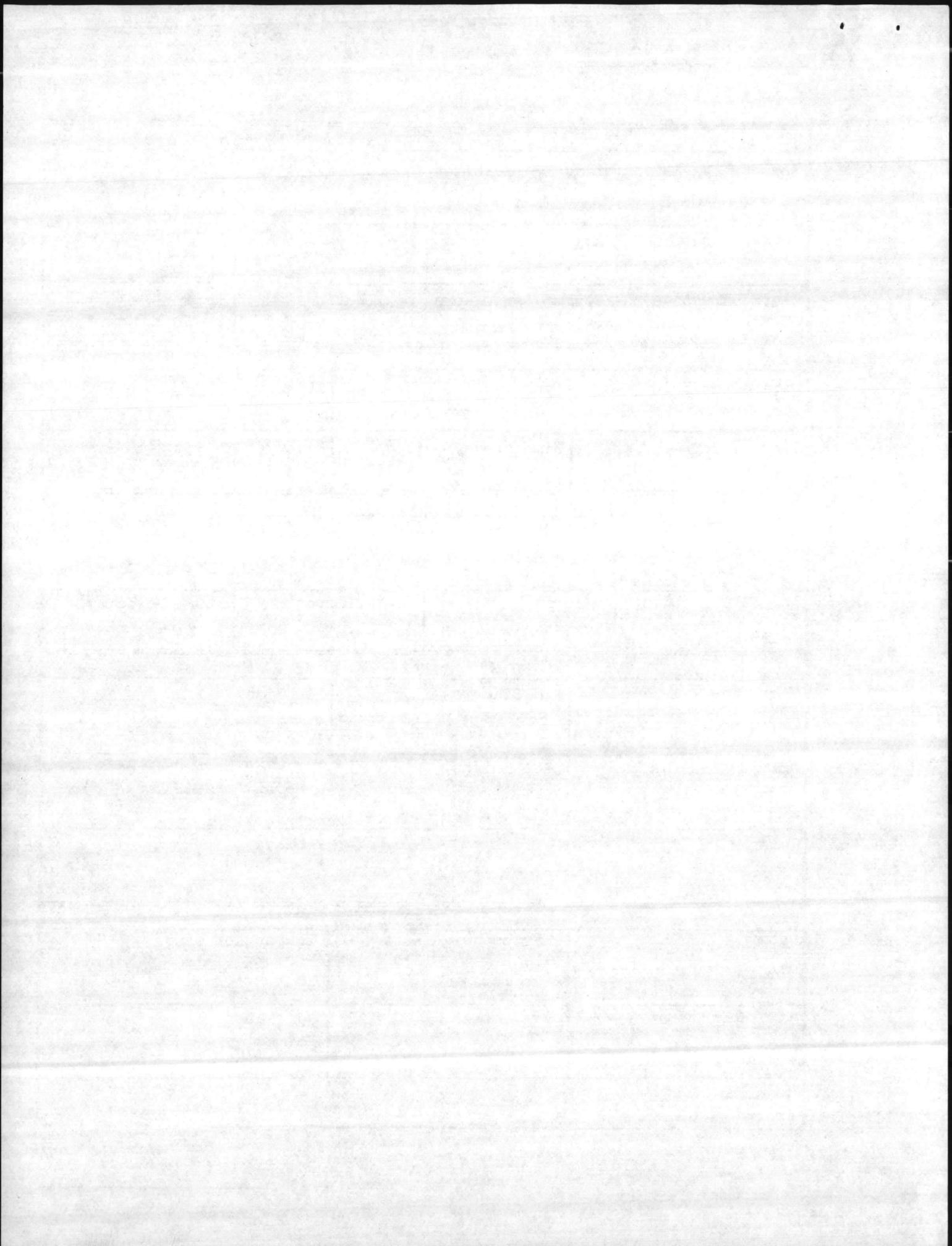


Unclassified

CLASSIFICATION

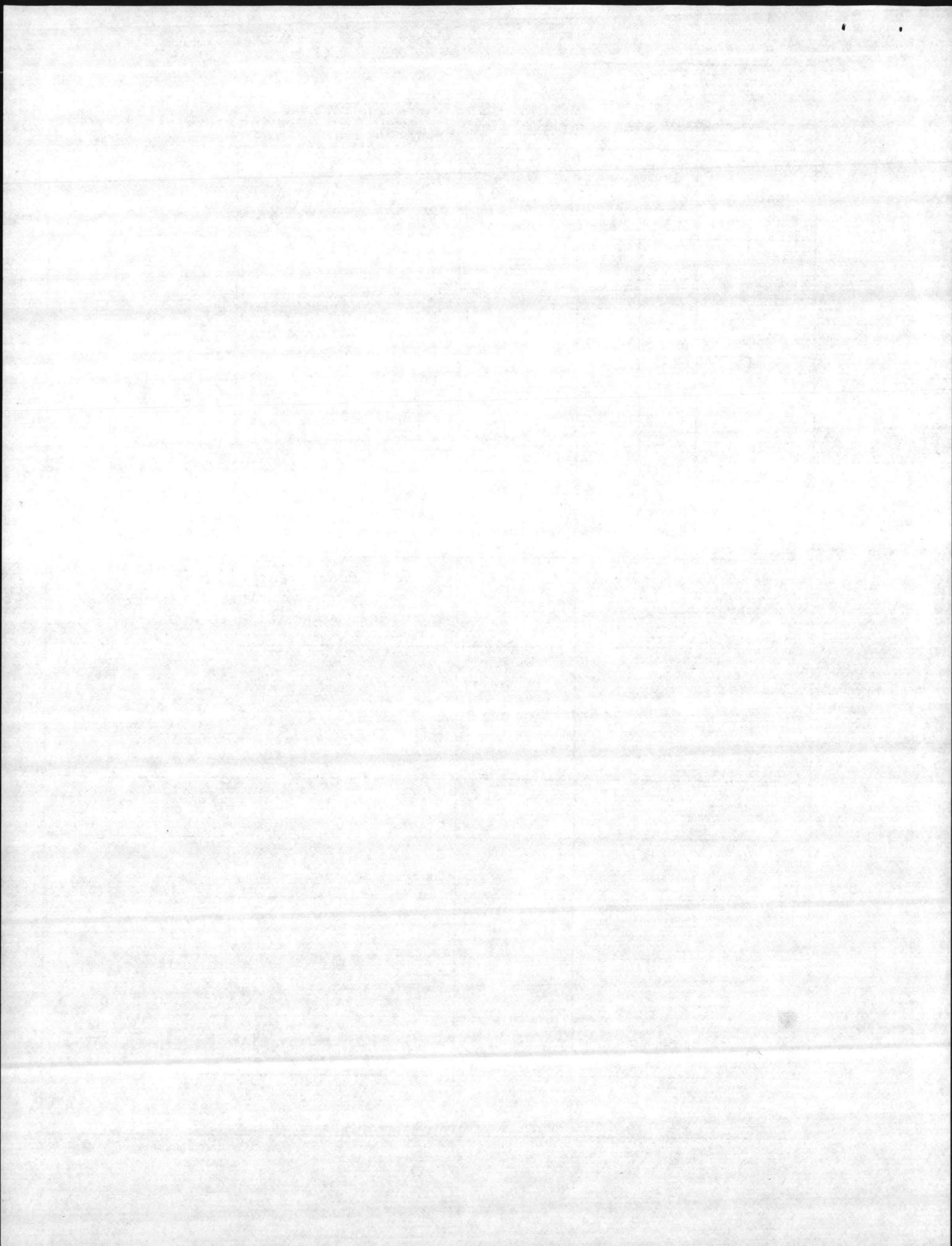
COAST INTELLIGENCE REPORT

3. SEA CONDITIONS			
Seasonal Variation of Seas - describe <i>Relatively calm, except during Tropical Storm and Hurricane Season</i>			
Normal Direction <i>NE</i>	Avg. Wave Height <i>2 ft</i>	Max. Wave Height <i>2.5 ft</i>	Remarks <i>None</i>
Storm Direction <i>Easterly</i>	Storm - Avg. Wave Height <i>7.0 ft</i>	Max. Wave Height <i>8.0 ft</i>	Remarks
4. FOG			
Period (Month)	Type	Clear by - (Hour)	
Time of day - (from)	Time of day - (To)	Remarks	
5. WINDS			
Seasonal Variation of Winds - describe			
Normal Direction <i>Northly</i>	Velocity	Storm Direction <i>Easterly</i>	Storm Velocity <i>20+ KTS.</i>
6. SURF			
High Tide <i>1.20 ft</i>	Mid Tide <i>1.10 ft</i>	Low Tide <i>1.00 ft</i>	
No. of lines of breakers <i>3.</i>	Wave Height <i>2.5 ft.</i>	Angle of breakers to general line of beach <i>15°</i>	
Remarks			
7. TIDES			
Datum <i>NORTH American.</i>	Highest High Water <i>1.20 ft</i>	Lowest Low Water <i>1.00 ft.</i>	
Max. Range <i>3.0 ft</i>	Avg. Range <i>1.10 ft.</i>	Min. Range <i>3.0 ft</i>	
Remarks			



8. ANCHORAGES					
Location	Depths		Area	Holding Qualities	Protection
	Min.	Max.			
*					

9. SPECIFIC REPORTED BEACHES		
Designation	Location	Beach Report Number and Title (Ref. Appendix 2 to Annex A)
NORTH BEACH	*	#1 NORTH BEACH
SOUTH BEACH	*	#2 SOUTH BEACH



10. PORTS		
Name	Location	Port Information Report Number (Ref. Enclosure 1, Appendix 1 to Annex A)
<i>None</i>		

11. SHORE

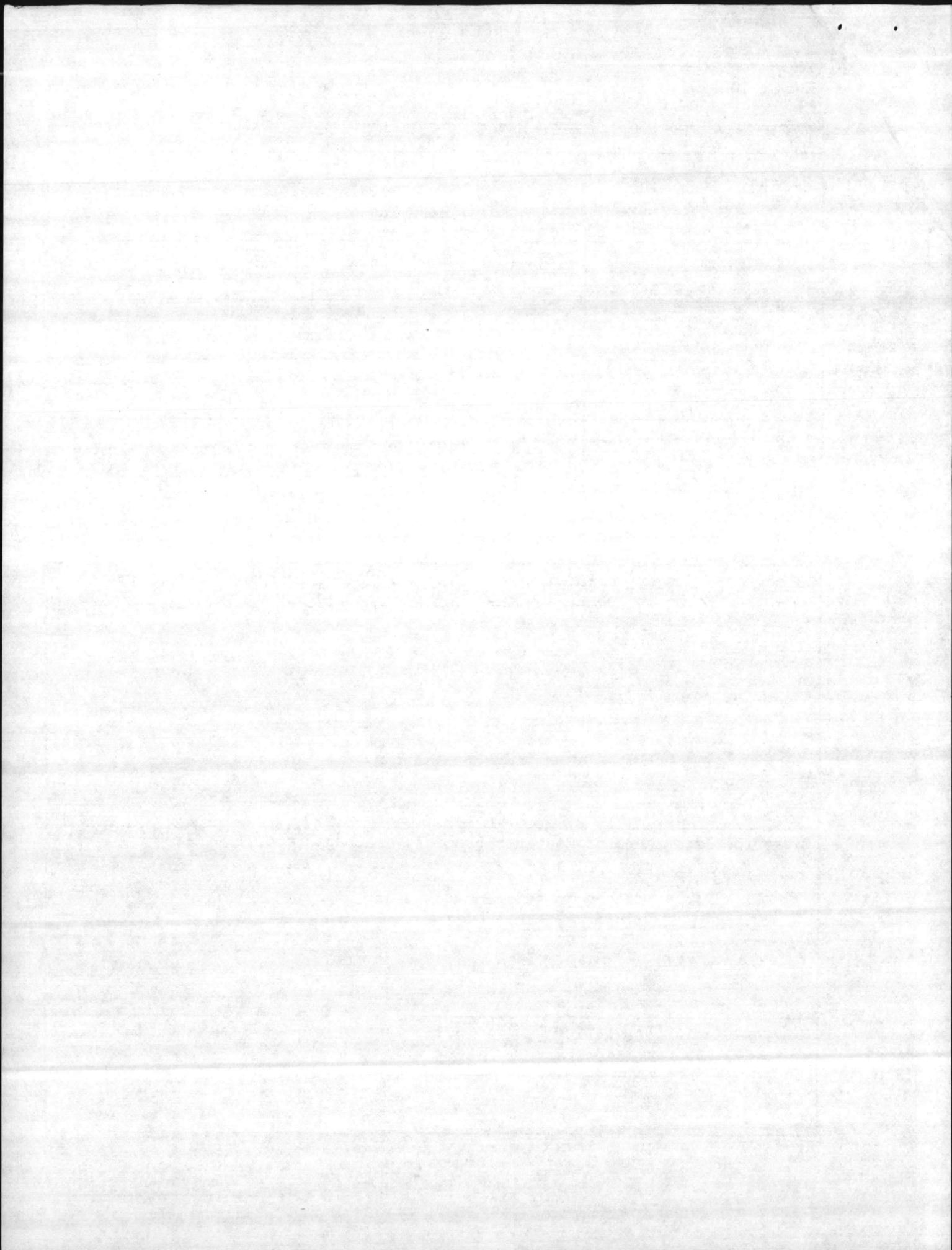
Describe - (rocky, cliffed, fronted by salt pans, fringing reefs, etc.)  
*Five Sands with shifting sand dunes approx. 30 ft. from high water line  
 firm wet sand at shoreline*

12. COASTAL TERRAIN

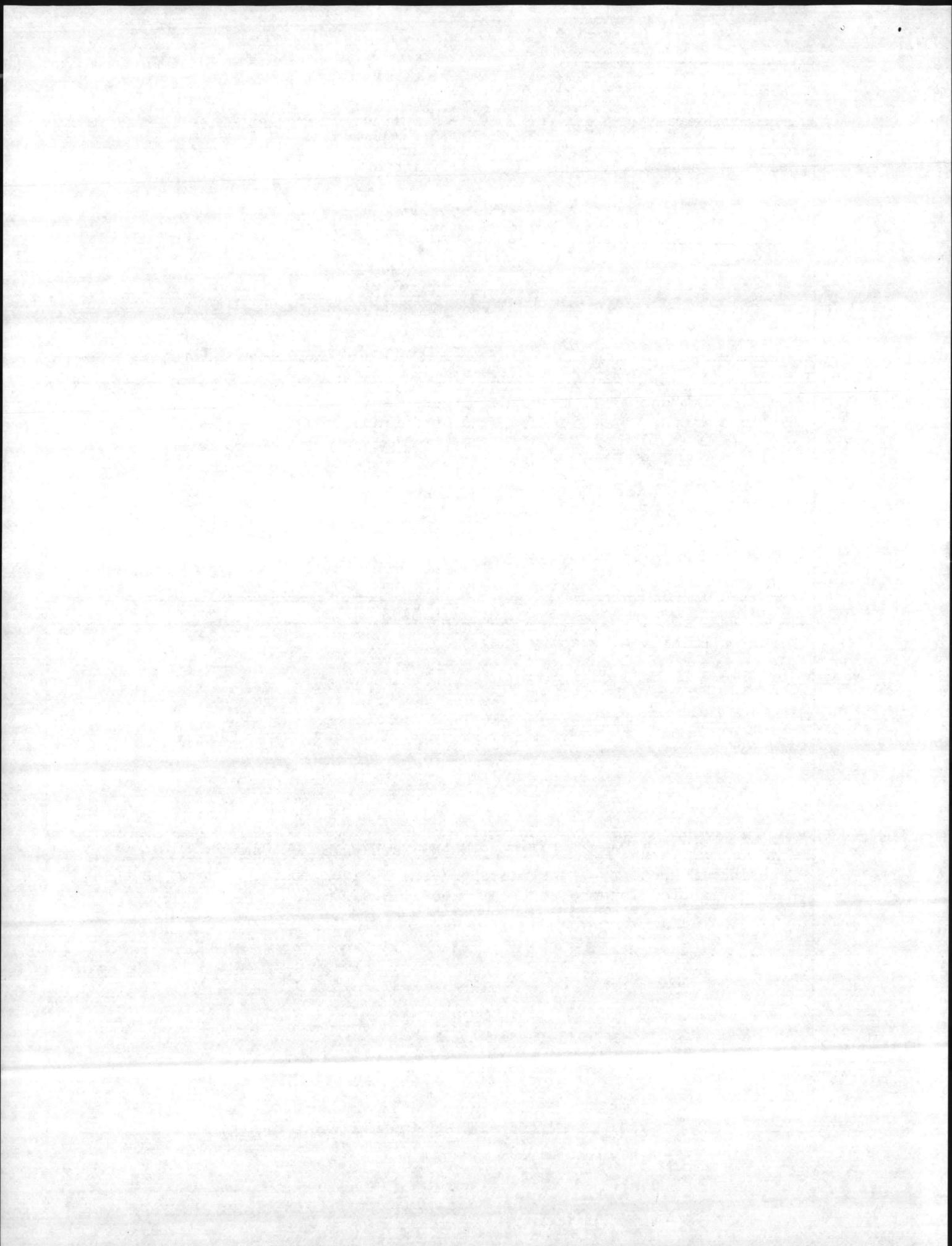
Describe Importance of Features (relief, drainage, etc.)  
*Coastal Area rises very gradually. Drainage is poor, causing stagnation  
 of the ground. Heavy mangrove growth, growing freely and thickly  
 the entire length of coastal area.*

Characteristic Vegetation  
*MANGROVE w/ scattered Christmas trees*

Provide Concealment?  
*Yes.*



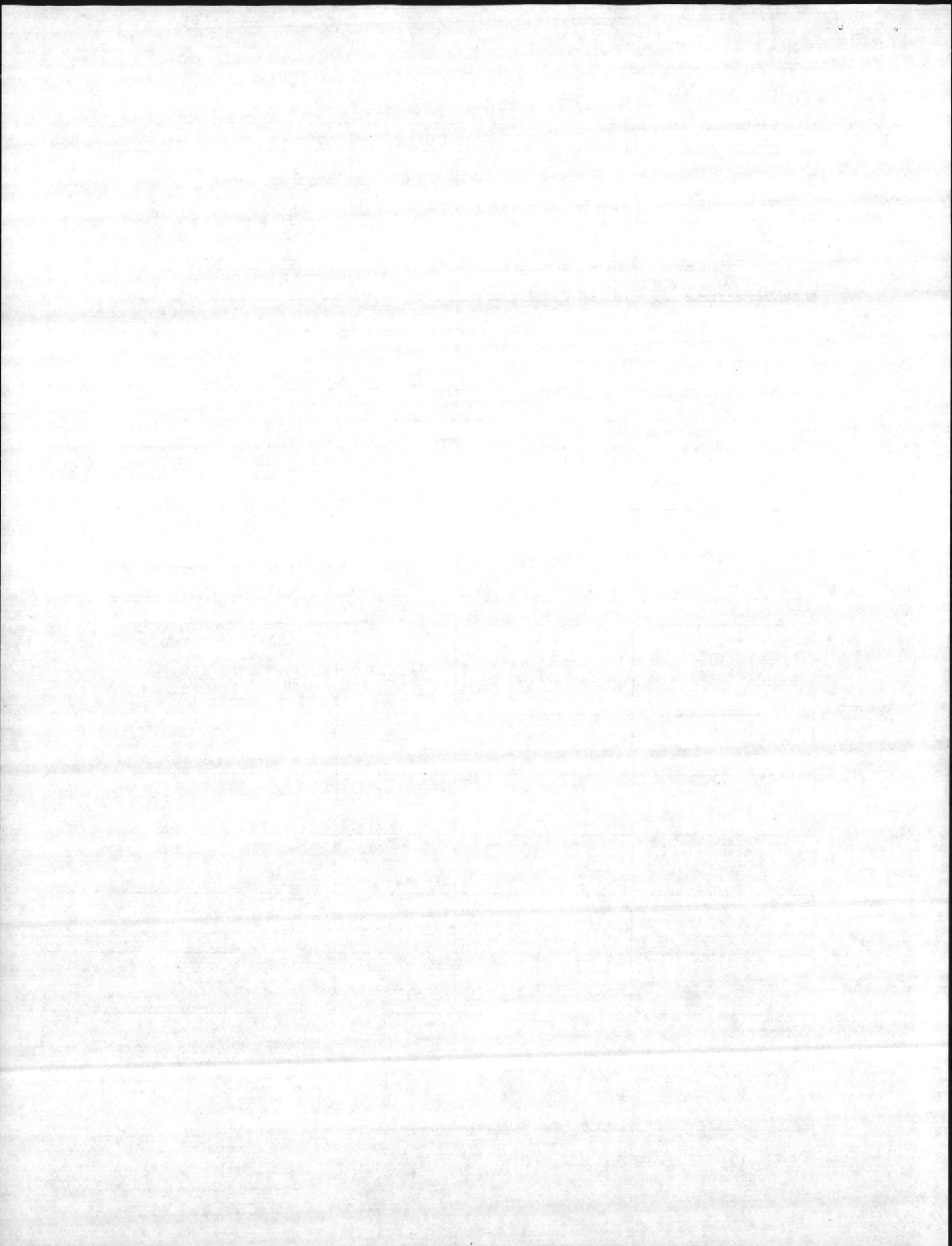
13.	CROSS COUNTRY MOVEMENT
Describe Possibility for Troops and Vehicles <i>Cross-Country movement for Vehicles impossible and extremely difficult for troops due to Inter-coastal waterway and density of vegetation</i>	
14.	ROADS
Describe in General Terms Roads, Tracks, and Trails (include Width, Type, Surface, and Condition) <i>Roads on the East Side of waterway are partly stabilized with Rock on North Beach and Sand on South Beach.  14 - 21 meters wide, Roads on South Beach are such that Ruts and Pot Holes could Impede Speed of Convoy, Roads conditions on North Beach pose no problem.</i>	
15.	RAILROADS
Describe briefly - (specify gauge)  <i>None</i>	
16.	RIVERS, STREAMS, INLAND WATERWAYS AND CANALS
Describe if Present - (include approach to river mouth, minimum depth at bar, navigable distance upstream, locks, etc.) <i>North Beach is located at the mouth of New River Inlet. This River meanders in a westerly direction. Intra coastal waterway runs parallel to the East Coast and is approx. 600 meters inland. Appx Depth 12 ft.</i>	



17. HELICOPTER LANDING AREAS		
Designation	Location	Helicopter Landing Area Report Number (Ref. Enclosure 2, Appendix 1 to Annex A)
BLUE BIRD	185TP87252583	1.
ALBATROSS	185TP89592724	2.

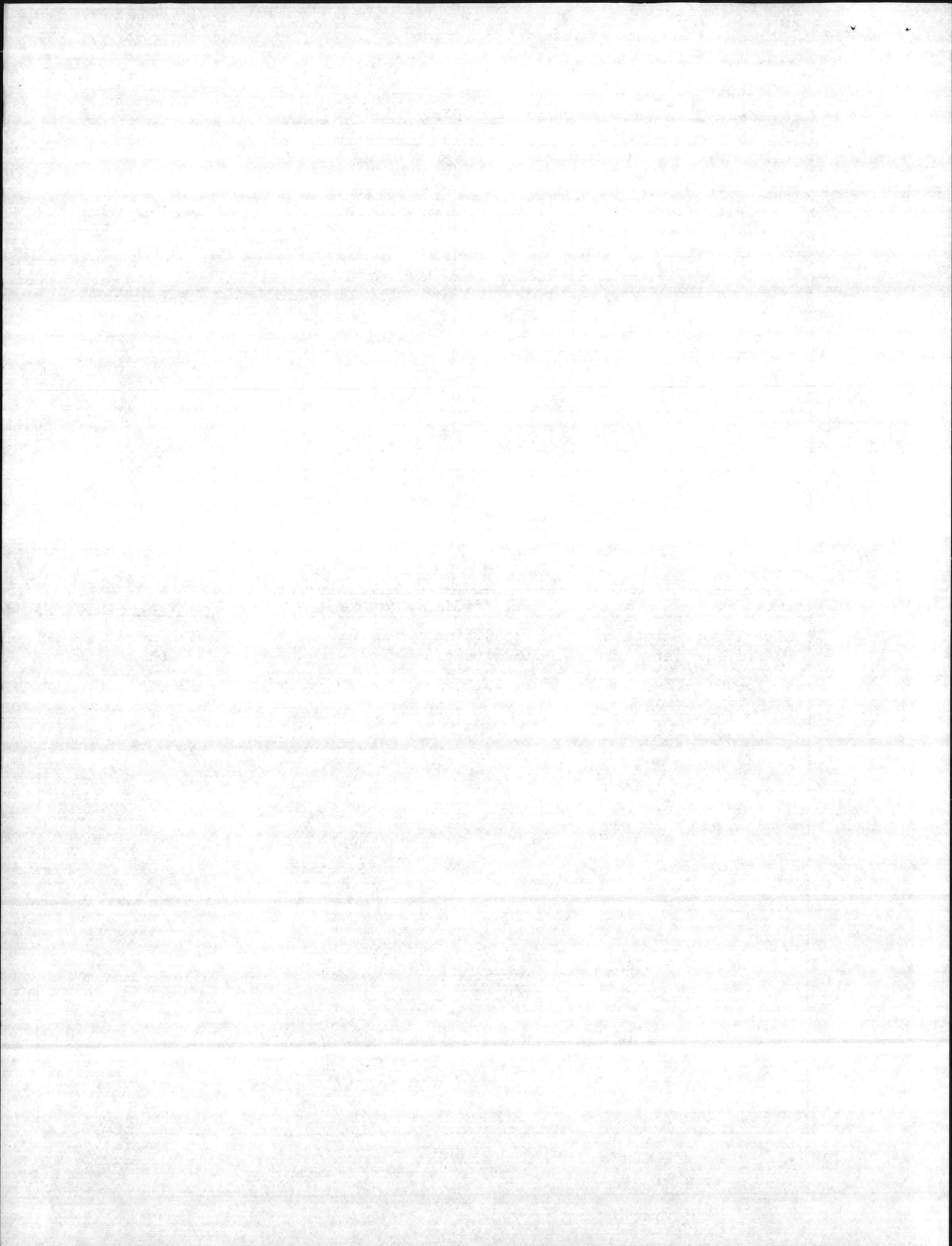
18. AIR FACILITIES			
Designation	Location	Type	Airport or Landing Field Report Number (Ref. Enclosure 3, Appendix 1 to Annex A)

Remarks



19. URBAN AREAS		
Local Placename	Location	Urban Areas Report Number (Ref. Enclosure 4, Appendix 1 to Annex A)

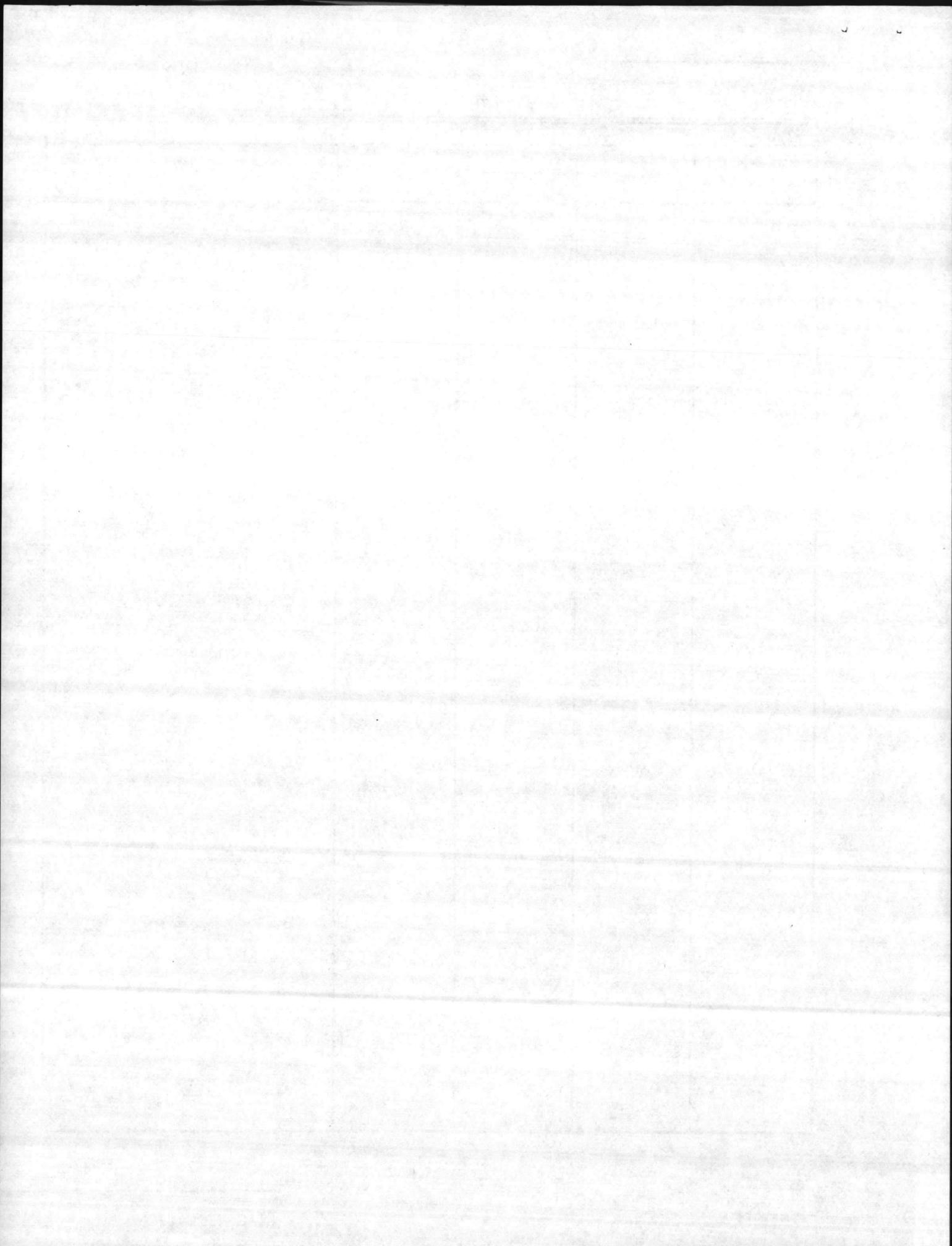
20. ARTIFICIAL STRUCTURES
<p>Give Type, Location, Size, Condition, etc. (Jetties, piers, groins, docks, etc.)</p> <p><i>Risley Fishing Pier extending approx 200m from shore. Condition is Good. UTM</i></p>



CLASSIFICATION

COAST INTELLIGENCE REPORT

21. PHOTOGRAPHIC COVERAGE				
Photo Designation	Type	Location	Date	Description



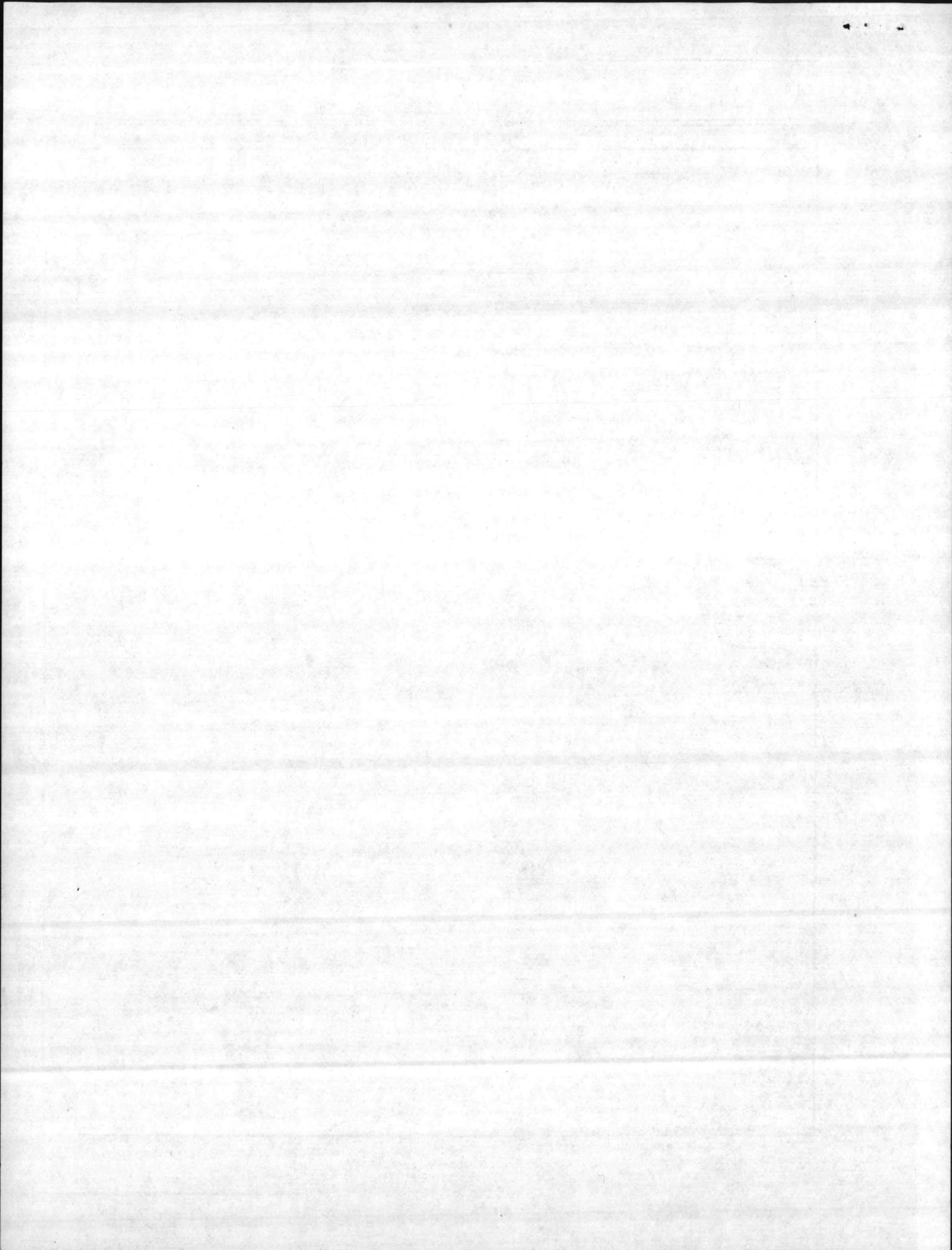
CLASSIFICATION

COAST INTELLIGENCE REPORT

22.

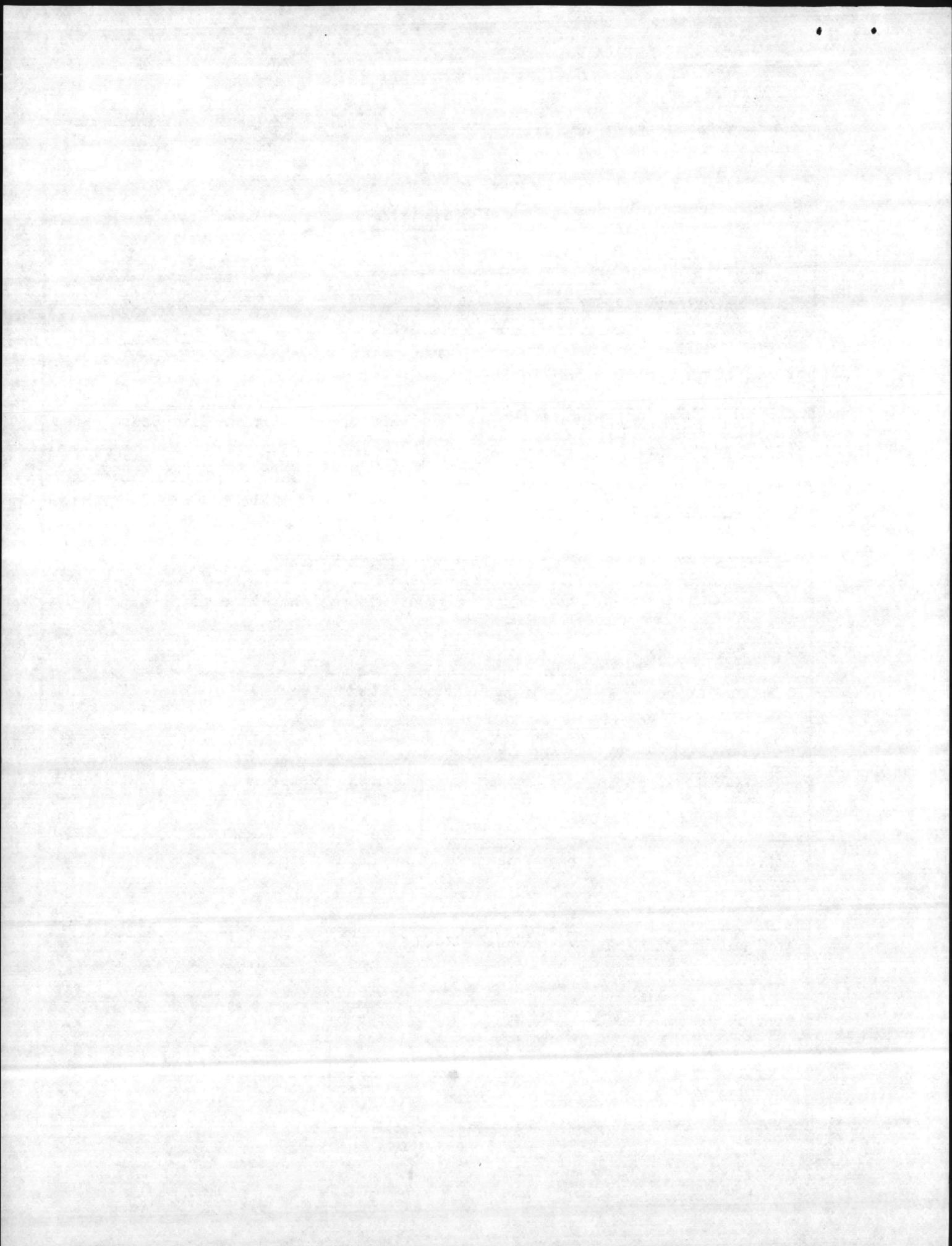
ADDITIONAL REMARKS

Identify any entries by major subject heading



CLASSIFICATION

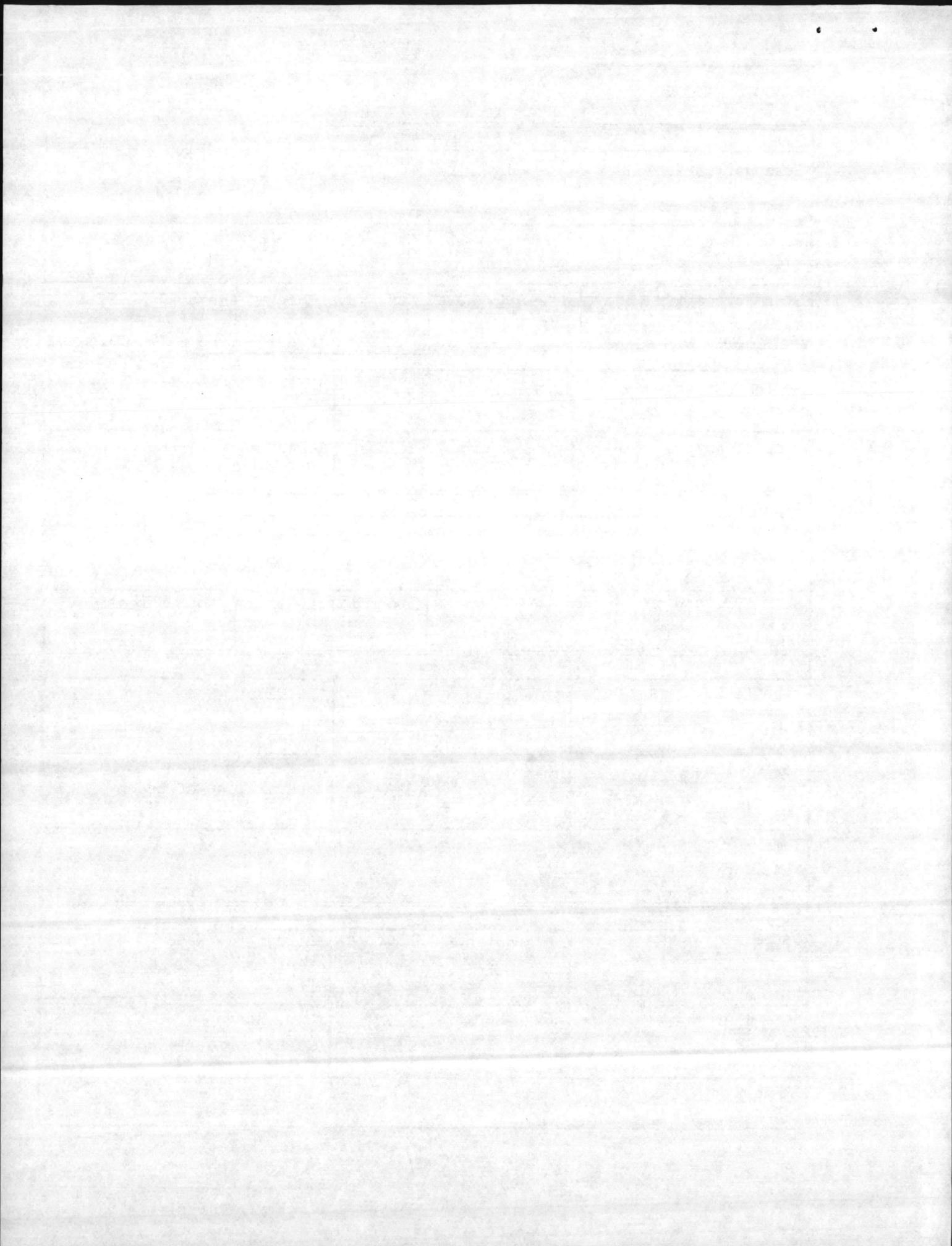
Appendix 1 to Annex A		C. I. R. #	
COAST INTELLIGENCE REPORT			
Country <i>U.S.A</i>		Date <i>920408</i>	
Sector <i>ONslow BEACH SOUTH</i>			
1. BOUNDARIES OF REPORTED AREA			
Location (by Major Landmarks) <i>ONslow BEACH SOUTH is 2.6 Km ENE of New River Inlet</i>			
Left flank Longitude and Latitude <i>LONG 77°19'16"</i> <i>LAT. 34°32'10"</i>		Left flank Military Grid Coordinates <i>185TP 87002895</i>	
Right flank Longitude and Latitude <i>LONG 77°18'42"</i> <i>LAT 34°32'30"</i>		Right flank Military Grid Coordinates <i>185TP 87852444</i>	
2. APPROACHES			
Nearshore Approaches - describe in general terms (shoreline to 5 fathom curve) <i>Same as N. Beach</i>			
Offshore Approaches - describe in general terms <i>Ditto.</i>			
Approx. Dist., Shore to 3 fathom curve <i>.5 Km.</i>		Approx. Dist., shore to 5 fathom curve <i>3.6 Km</i>	
Meteorological Conditions - describe in general terms <i>Ditto.</i>			
Navigation Landmarks <i>New River Inlet? is Located. Just Beyond its Left Flank.</i>			
Dangers (Obstacles) <i>None</i>		Offshore Islands <i>None.</i>	
Current Direction <i>Easterly</i>		Current Velocity <i>2.3 FPS.</i>	



CLASSIFICATION

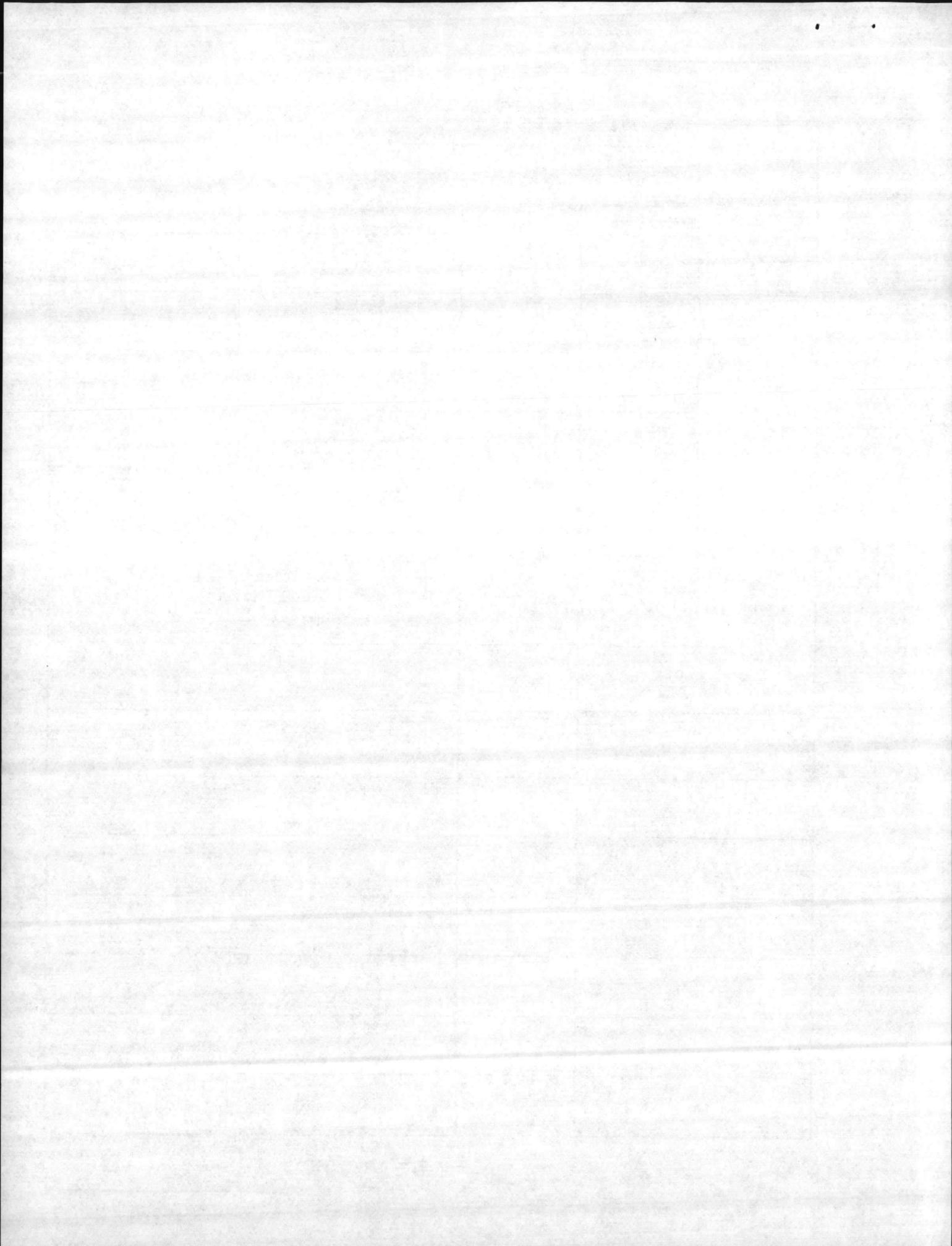
## COAST INTELLIGENCE REPORT

3. SEA CONDITIONS			
Seasonal Variation of Seas - describe 0:770.			
Normal Direction "	Avg. Wave Height "	Max. Wave Height "	Remarks
Storm Direction "	Storm - Avg. Wave Height "	Max. Wave Height "	Remarks
4. FOG			
Period (Month)	Type	Clear by - (Hour)	
Time of day - (from)	Time of day - (To)	Remarks	
5. WINDS			
Seasonal Variation of Winds - describe			
Normal Direction	Velocity	Storm Direction	Storm Velocity
6. SURF			
High Tide	Mid Tide	Low Tide	
No. of lines of breakers	Wave Height	Angle of breakers to general line of beach	
Remarks			
7. TIDES			
Datum	Highest High Water	Lowest Low Water	
Max. Range	Avg. Range	Min. Range	
Remarks			



8. ANCHORAGES					
Location	Depths		Area	Holding Qualities	Protection
	Min.	Max.			

9. SPECIFIC REPORTED BEACHES		
Designation	Location	Beach Report Number and Title (Ref. Appendix 2 to Annex A)



COAST INTELLIGENCE REPORT

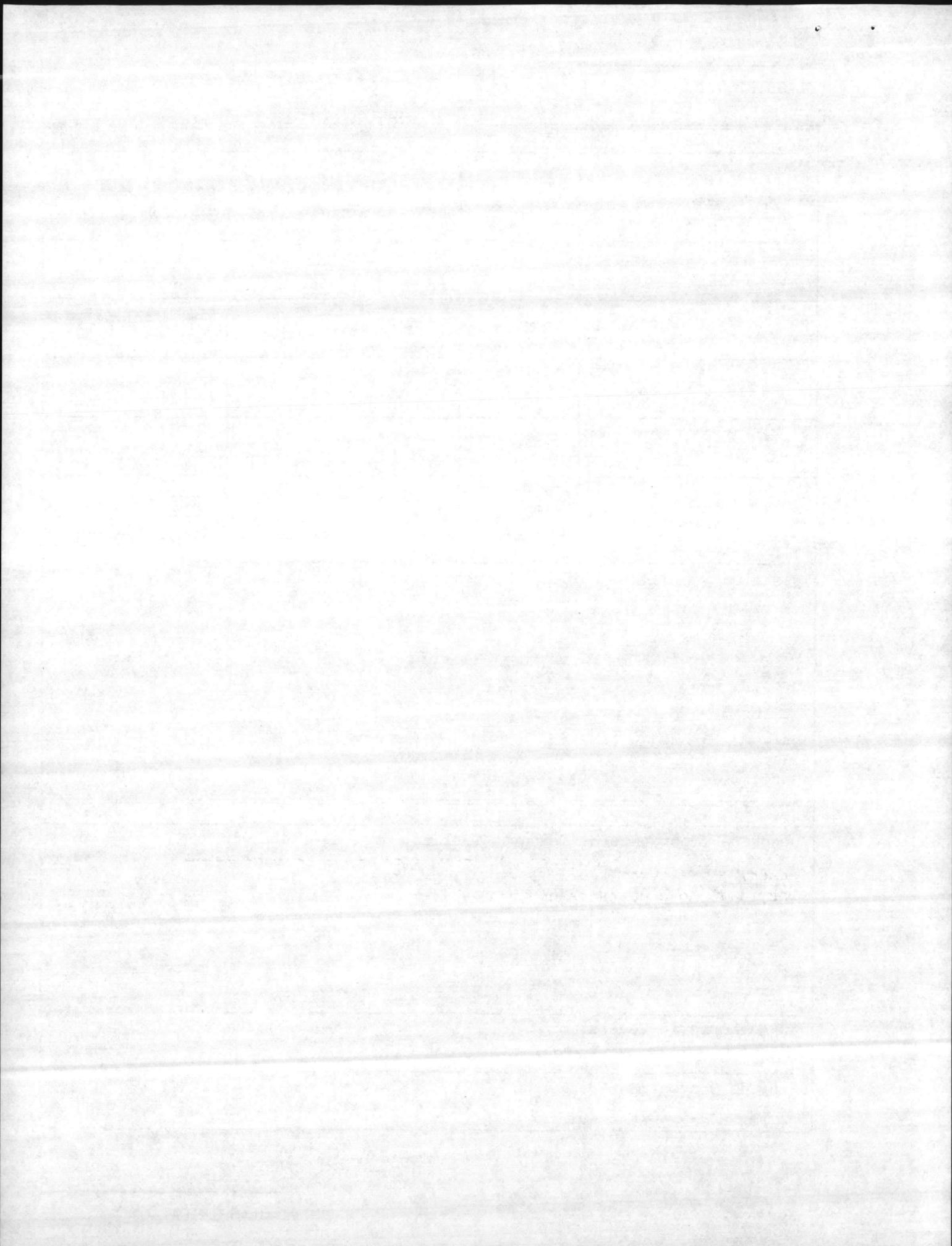
10. PORTS		
Name	Location	Port Information Report Number (Ref. Enclosure 1, Appendix 1 to Annex A)

11. SHORE  
 Describe - (rocky, cliffed, fronted by salt pans, fringing reefs, etc.)

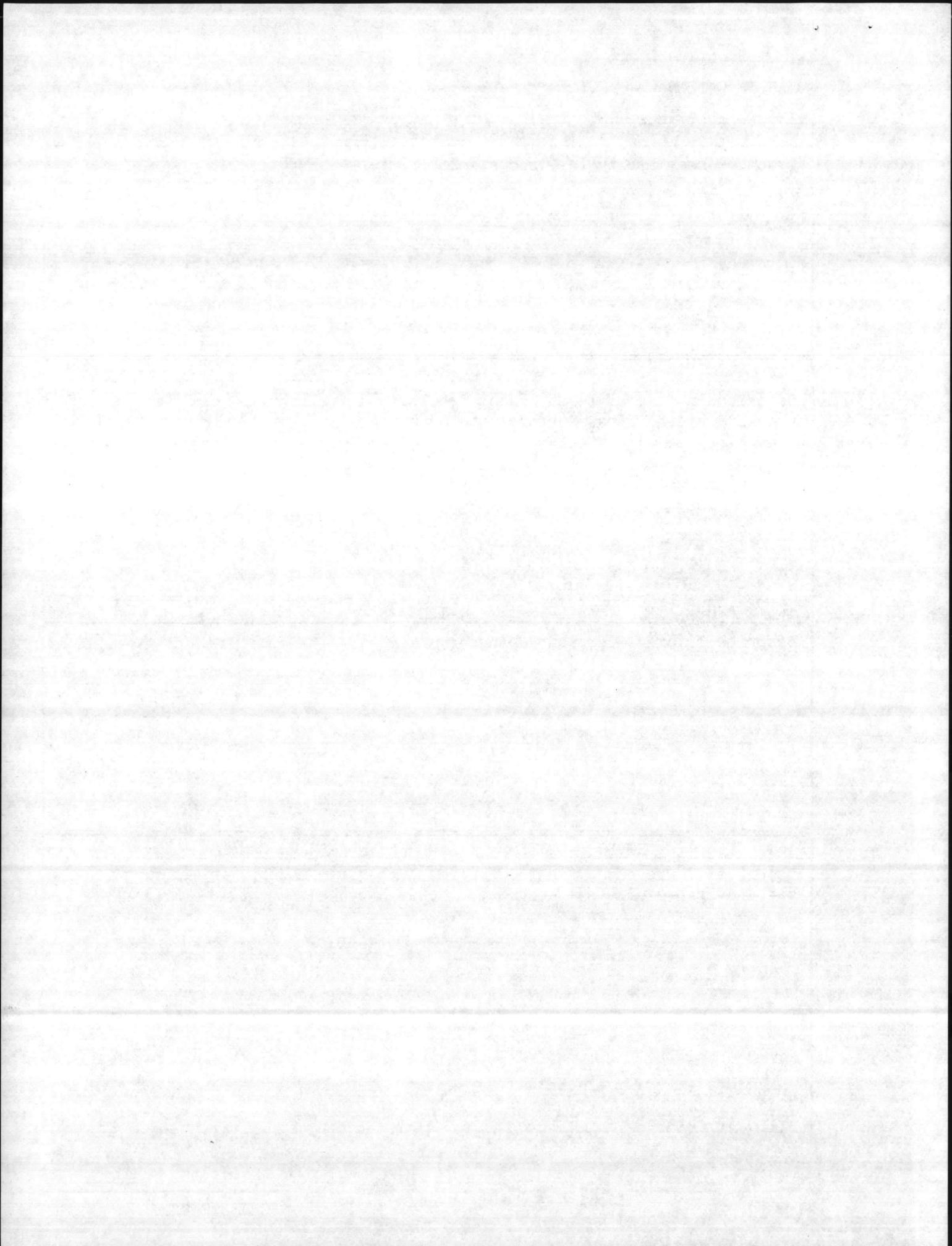
12. COASTAL TERRAIN  
 Describe Importance of Features (relief, drainage, etc.)  
*Swamp Land (650 ft (198 m) Inland) & WARDS CHANNEL  
 EXTEND ALONG BACK OF BEACH.*  
*D: 710*

Characteristic Vegetation  
*D: 710*

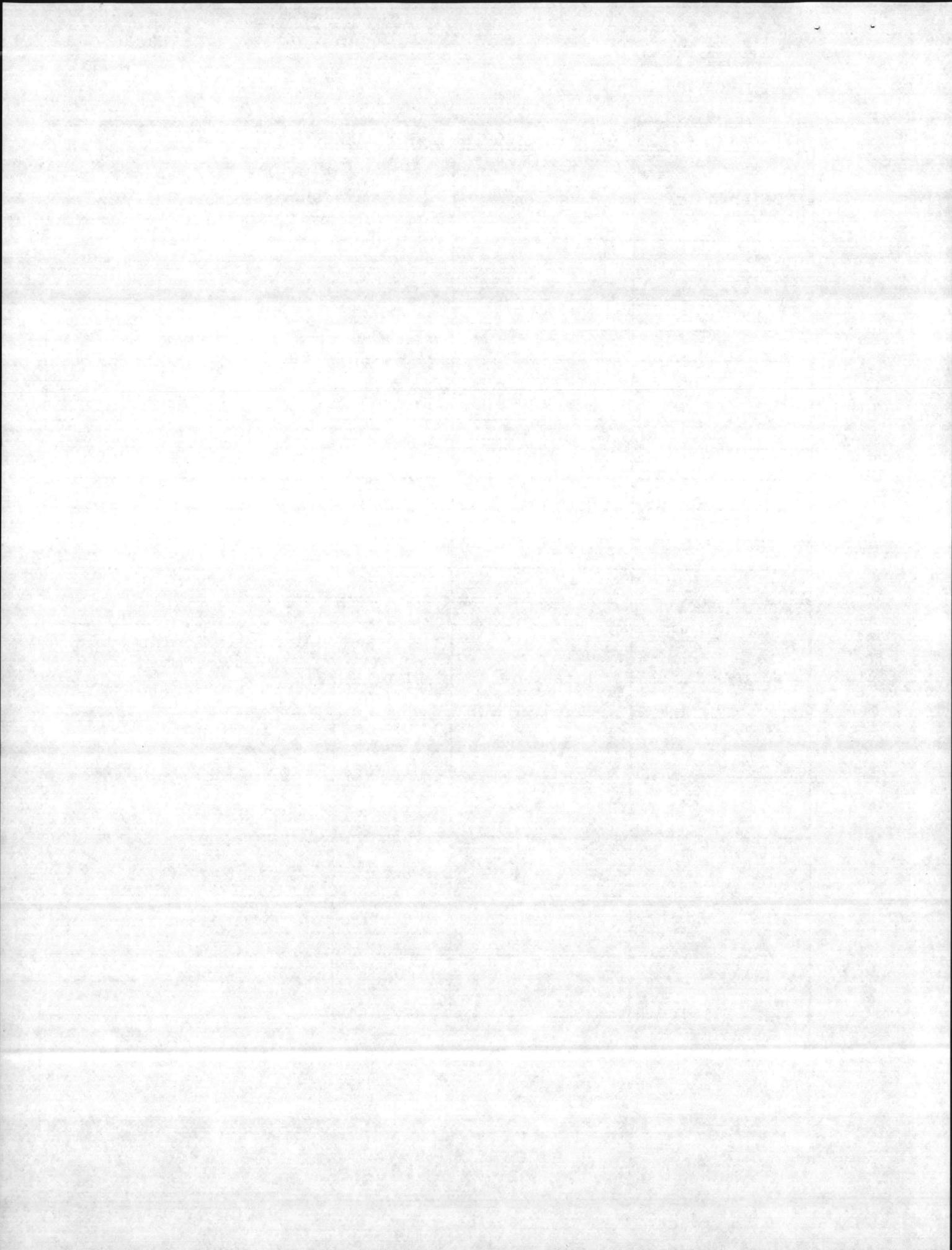
Provide Concealment?  
*Yes*



13.	CROSS COUNTRY MOVEMENT
Describe Passibility for Troops and Vehicles	
14.	ROADS
Describe in General Terms Roads, Tracks, and Trails (include Width, Type, Surface, and Condition)	
15.	RAILROADS
Describe briefly - (specify gauge)	
16.	RIVERS, STREAMS, INLAND WATERWAYS AND CANALS
Describe if Present - (include approach to river mouth, minimum depth at bar, navigable distance upstream, locks, etc.)	



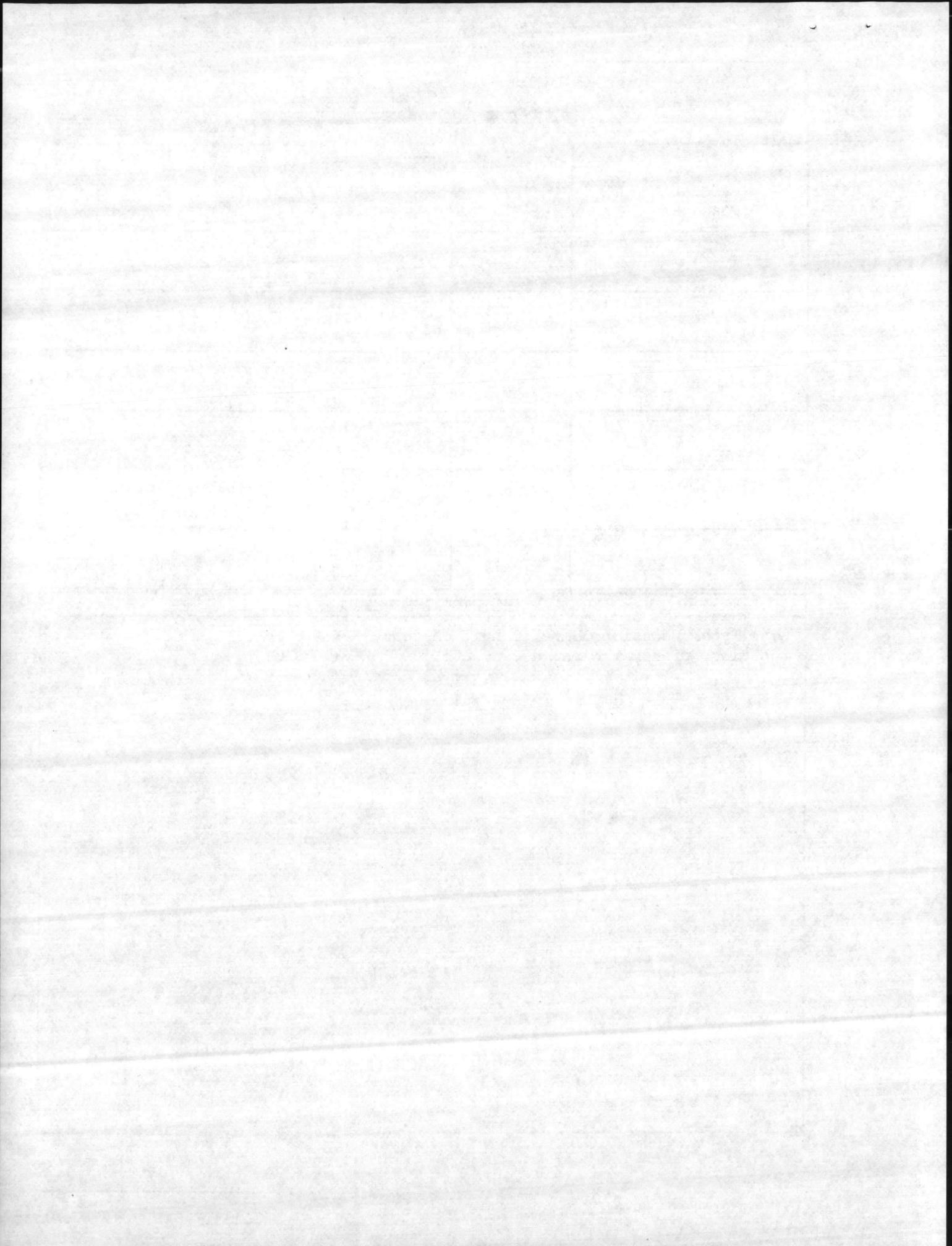




19. URBAN AREAS		
Local Placename	Location	Urban Areas Report Number (Ref. Enclosure 4, Appendix 1 to Annex A)

20. ARTIFICIAL STRUCTURES

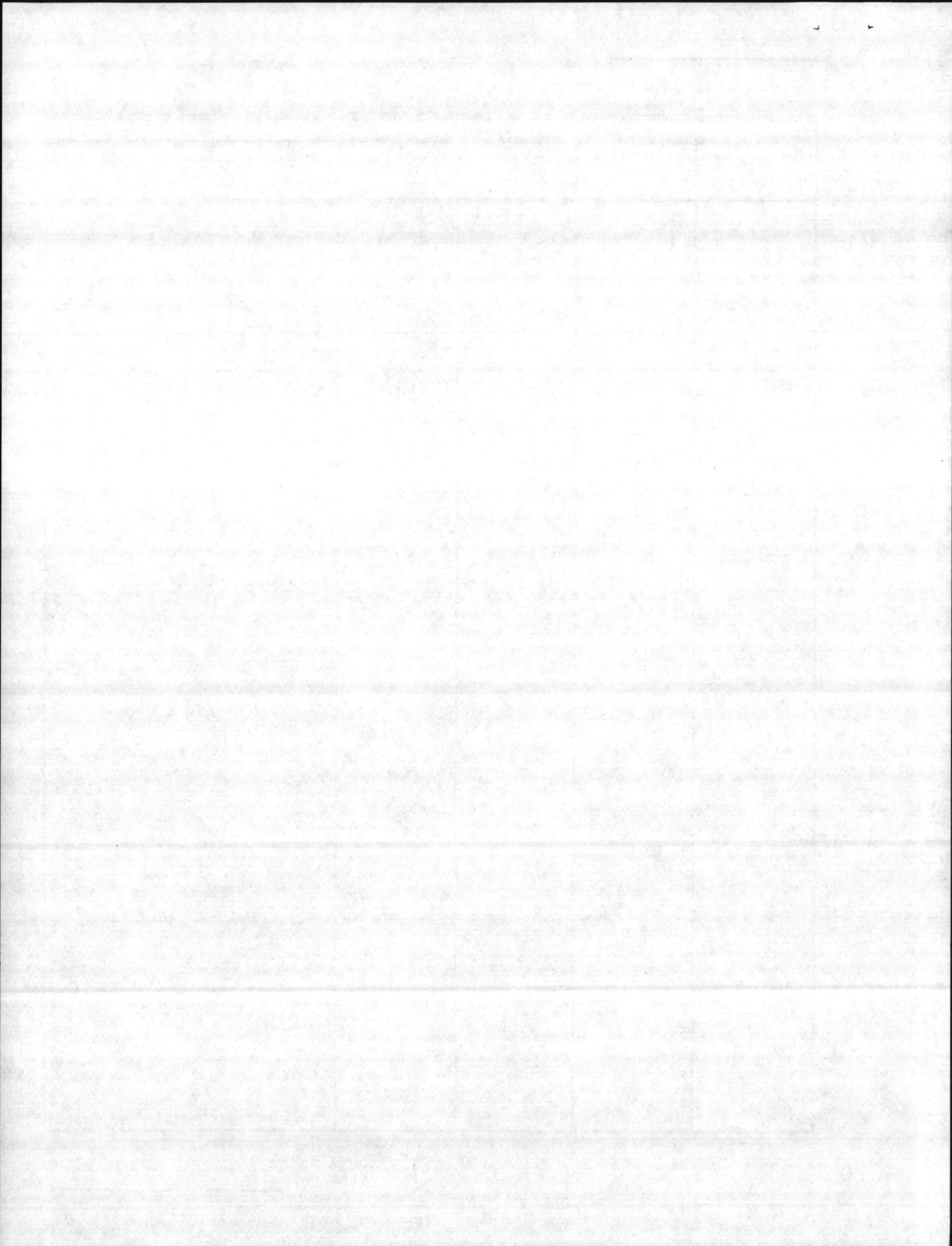
Give Type, Location, Size, Condition, etc.  
(Jetties, piers, groins, docks, etc.)



CLASSIFICATION

COAST INTELLIGENCE REPORT

21. PHOTOGRAPHIC COVERAGE				
Photo Designation	Type	Location	Date	Description



CLASSIFICATION

COAST INTELLIGENCE REPORT

22.

ADDITIONAL REMARKS

Identify any entries by major subject heading



Appendix 2 to Annex A

BEACH REPORT

Beach/Landing Place Name *ONSLOW NORTH*

Beach/Landing Place Number

Date

1. Country

*U.S.A.*

2. Charts/Map Reference

*DMA V742 5553 III*

3. Latitude and Longitude of Center

*LAT - 34° 33' 02"*

*LONG - 77° 15' 50"*

4. Military Grid Coordinates of Center

*1857P 8915 2538*

5. Distance and Direction from Prominent Landmark

6. Left flank - (compass direction from Center) describe briefly. Give Latitude and Longitude, Grid coordinates. (Refer to annotated photo, if available).

7. Center - describe briefly (Refer to annotated photo, if available).

*Center of BEACH sloping (app: 1:116) SAND.*

8. Right flank - (compass direction from Center) describe briefly. Give Latitude and Longitude, Grid coordinates. (Refer to annotated photo, if available).

9. Total length

*2619m*

10. Usable length

*2619m*

11. Configuration

*CONCAVE.*

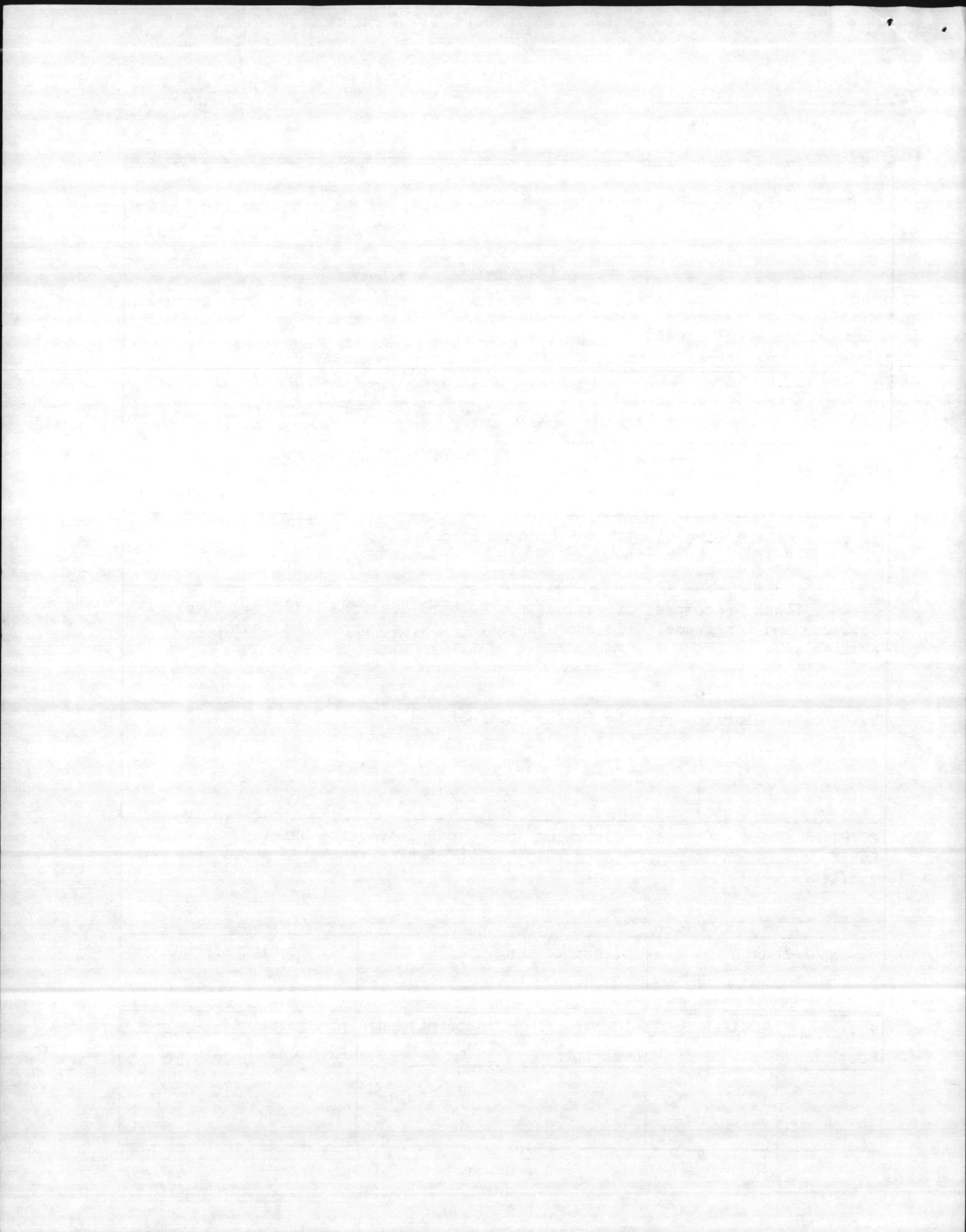
12. UNUSABLE PARTS (Obstructions, Separations, Interruptions)

Location

Description

Extent

*n/A*



CLASSIFICATION

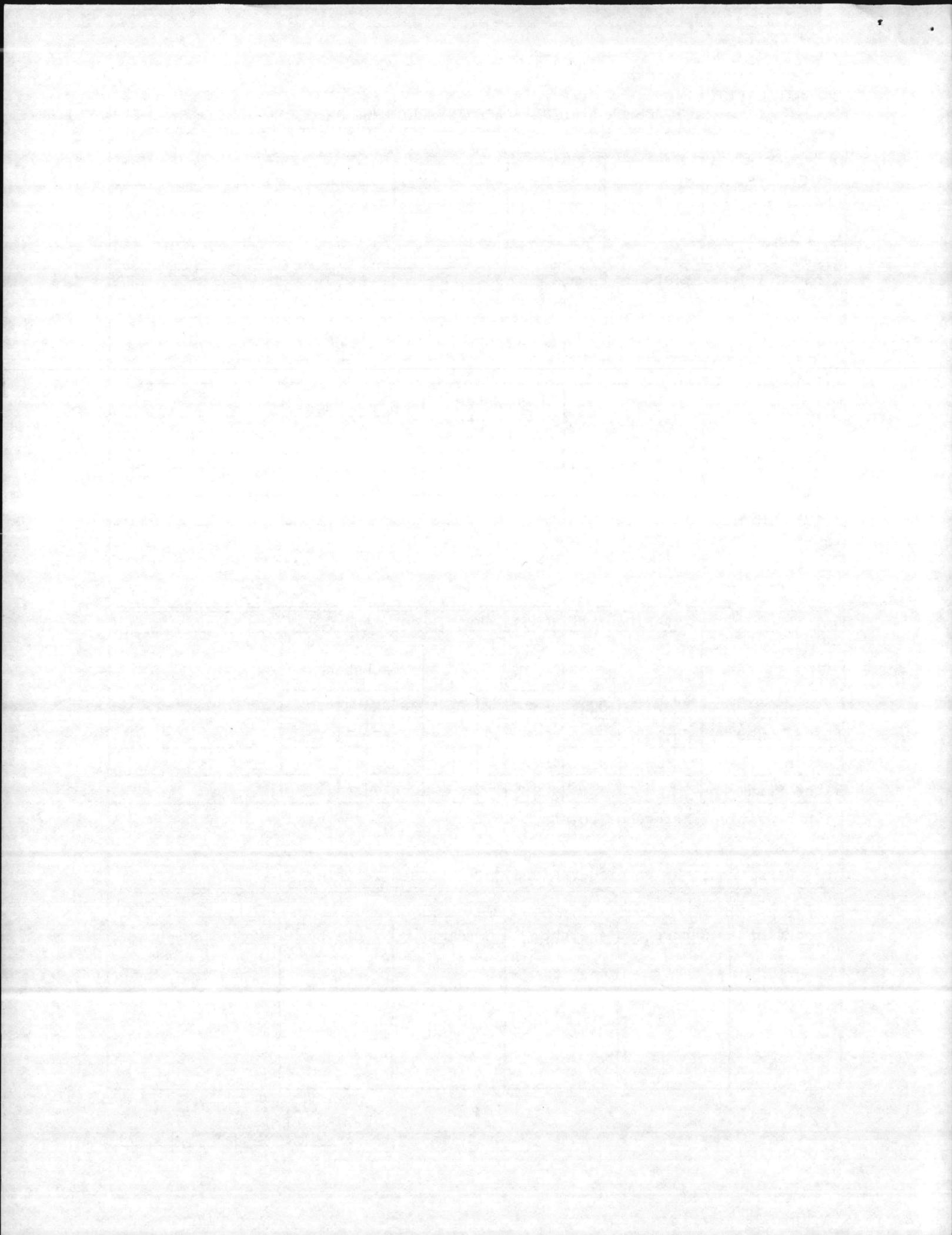
BEACH OR LANDING PLACE INTELLIGENCE REPORT

13. BEACH WIDTHS AND GRADIENTS				
Location	L. W.	H. W.	Gradient	Remarks
Left flank			1:116	
Center			1:116	
Right flank			1:116	
Other Critical Reference Points				

14. MATERIALS				
Location	Lower Foreshore	High Water Zone	Backshore	Remarks
Left flank	SAND	SAND	SAND	From when wet.
Center	"	"	"	"
Right flank	"	"	"	"
Other Critical Reference Points				

15. TRAFFICABILITY (Good, Fair, Poor, and CBR #)													
Location	Lower Foreshore				High Water Zone				Backshore				Remarks
	P	W	T	CBR	P	W	T	CBR	P	W	T	CBR	
Left flank	G	G	G		G	G	G		F	F	F		
Center	G	G	G		G	G	G		F	F	F		
Right flank	G	G	G		G	G	G		F	F	F		
Other Critical Reference Points													
(P= Personnel, W= Wheeled Vehicle, T= Tracked Vehicle)													

16. EXITS					
Location	Nature	Height	Gradient	Usable by	Gives access to



CLASSIFICATION

BEACH OR LANDING PLACE INTELLIGENCE REPORT

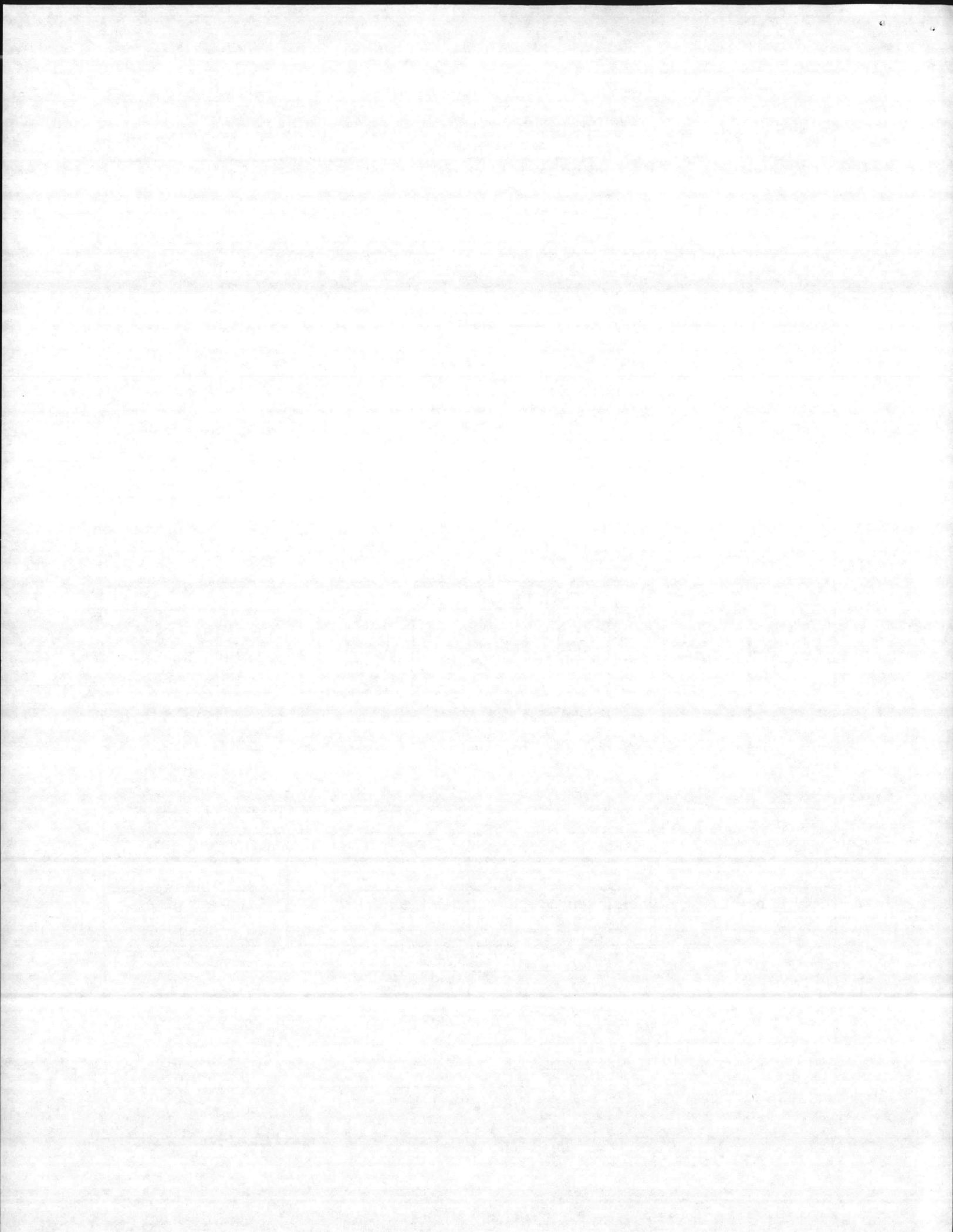
17. Proximity of Beach to developed areas				
18. Local use of Beach				
19. DISTANCES TO NEAREST COVER OR CONCEALMENT				
Location	LWL	HWL	Type of Concealment	Remarks
Left flank	500m.	290 m	MANGROVE.	
Center	490	210m	MANGROVE	
Right flank	510	300 m	MANGROVE.	
Other Critical Reference Points				
20. TERRAIN BEHIND BEACH				
Landform Type				
Type Coastline <i>CONCAVE.</i>				
Bluffs, Cliffs <i>NONE.</i>				
Other Irregularities <i>SWAMP</i>				
Man Made Terrain, (seawalls, road berms, dikes, etc)				
Soil Type (Primary) <i>SAND.</i>		Soil Type (Secondary) <i>SAND/SILT.</i>		
Offroad Trafficability (good, fair, poor, very poor)				
21. VEGETATION				
Location	Type	Density	Inhibit Movement	Remarks
Left flank	<i>MANGROVE</i>	<i>THICK</i>	<i>YES</i>	<i>IMPASSABLE BY WT.</i>
Center	<i>"</i>	<i>"</i>	<i>"</i>	
Right flank	<i>"</i>	<i>"</i>	<i>"</i>	



CLASSIFICATION

BEACH OR LANDING PLACE INTELLIGENCE REPORT

22. APPROACHES							
Offshore Obstructions (describe and locate, if uncharted)							
<i>None</i>							
Nearshore Obstructions (including icing, if applicable)					Degree of Obstruction (slight, moderate, total)		
<i>None</i>							
Nearshore	Distance from HWL to Depths referred				Bottom Gradient	Bottom Material	Remarks
	2m	4m	6m	10m			
Left flank							
Center							
Right flank							
Other Critical Reference Points							
23. SURF CONDITIONS							
Date/Time	Height	Type	Width of Surf Zone	Number of lines of breakers	Crest to Crest length Period	Dir. of Approach	Incident Angle
					/		
					/		
Exceptions							
24. TIDES							
Type		Highest H. W.		Lowest L. W.		Datum	
Max. Range		Avg. Range		Min. Range		Equipment Used	
25. CURRENTS							
Direction				Velocity			
Water Temp. (Winter Avg.)				Water Temp. (Summer Avg.)			
Ice present in Winter				Rips Observed			

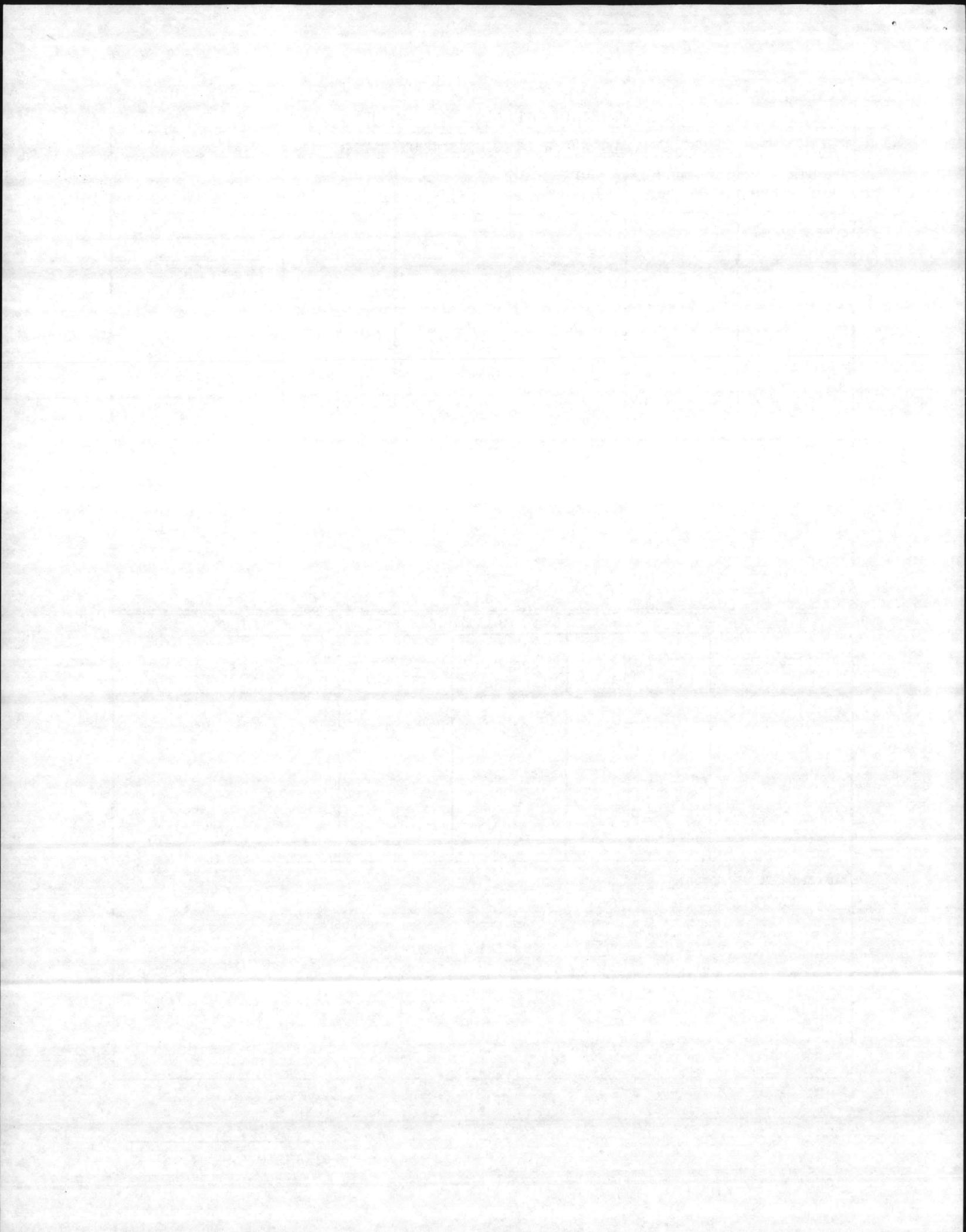


CLASSIFICATION

BEACH OR LANDING PLACE INTELLIGENCE REPORT

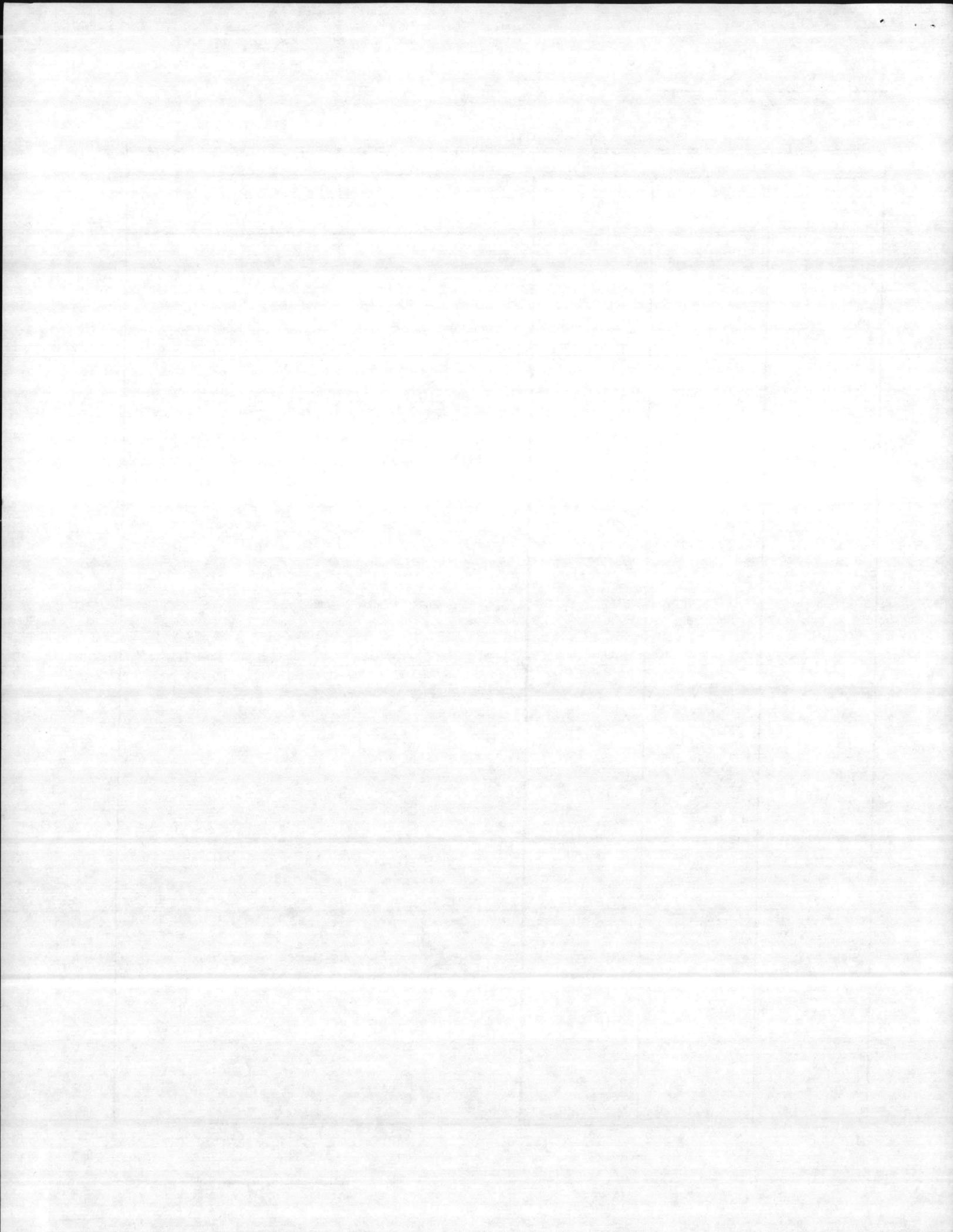
26. ROADS AND ROUTES OF COMMUNICATION					
UTM Reference	Route Number	Surface Material	Width of Traveled Way	Condition	Remarks
Orientation Sketch					
27. CRITICAL TERRAIN					
Location (UTM)	Visible Indications	Photo-graphic Reference	Reason Critical	Description	
Orientation Sketch					

CLASSIFICATION



BEACH REPORT

28.		PHOTOGRAPHIC LOG	
Photo-graphic Designation	Type	Location	Description



CLASSIFICATION

BEACH OR LANDING PLACE INTELLIGENCE REPORT

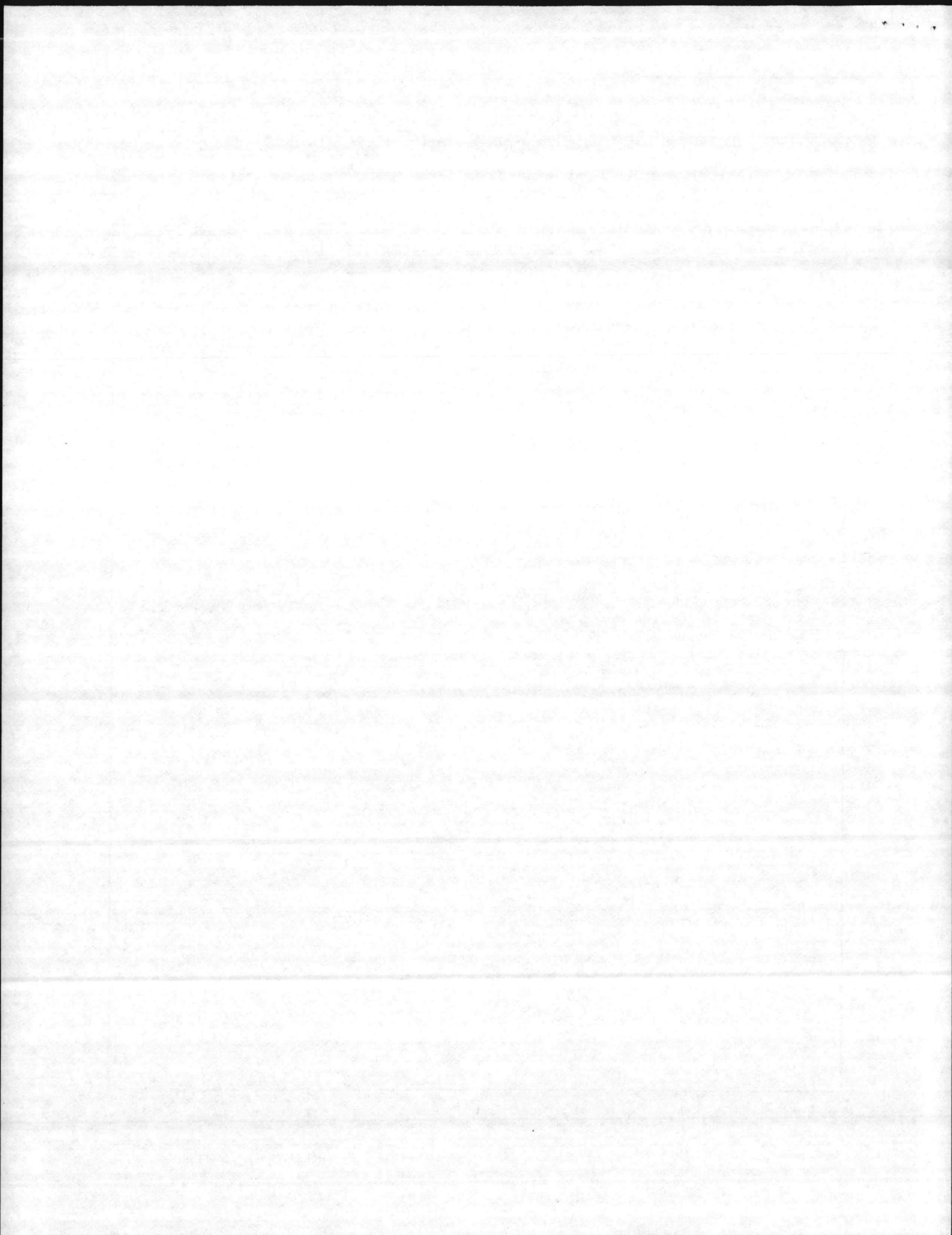
29.

BEACH SKETCH

Show Principal Features and Photo Locations

A - 2 - 7

CLASSIFICATION



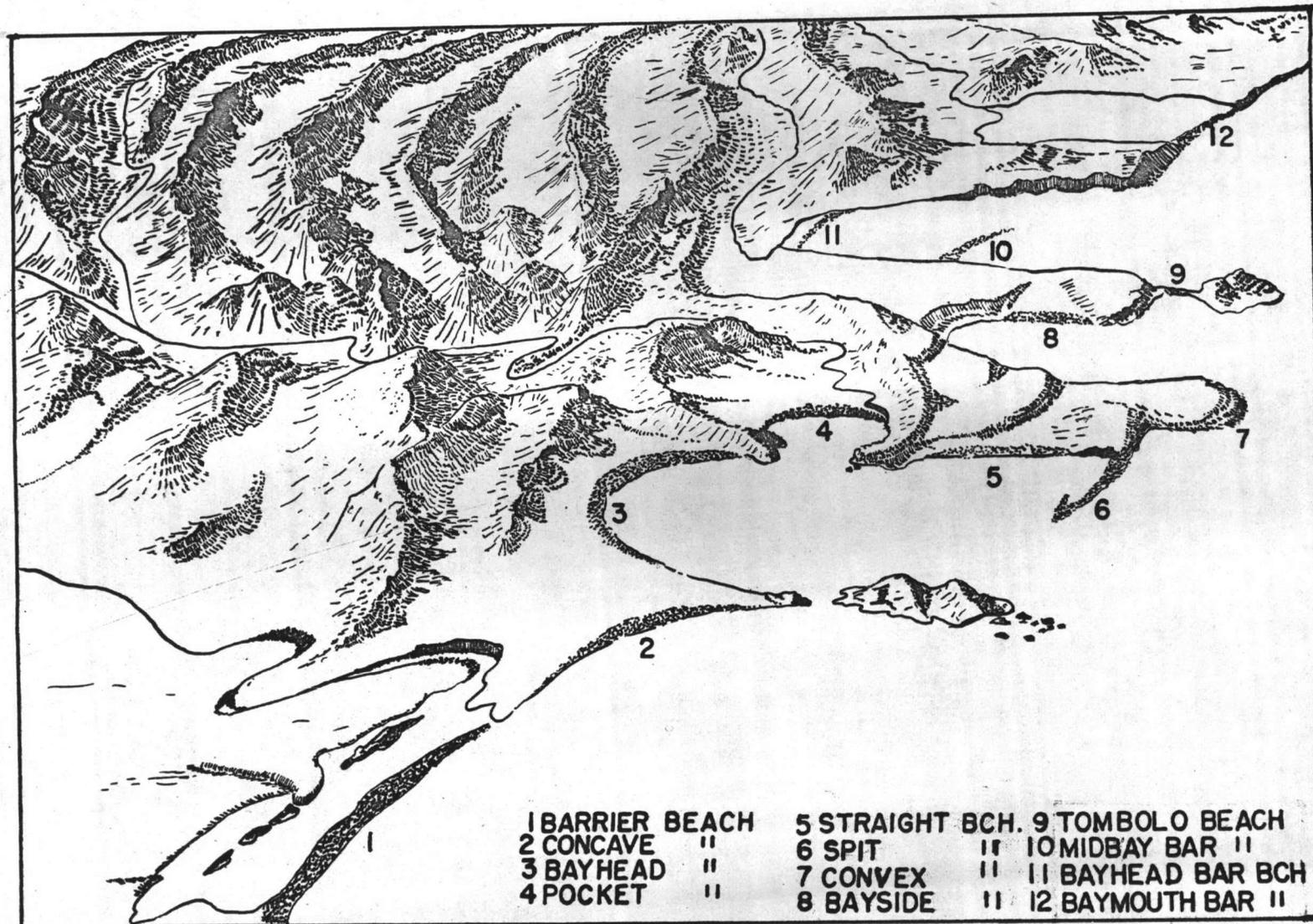


FIGURE 8. BEACH TYPES



## BEACH OR LANDING PLACE INTELLIGENCE REPORT

**Introduction:** This will be a systematic period of instruction covering procedures for conducting a beach reconnaissance and subsequent completion of a Beach Intelligence Report.

**Learning Objective:** The objective of this class is to teach you what to look for enabling you to make an objective observation of a beach or landing area and what information is required of the Beach Intelligence Report.

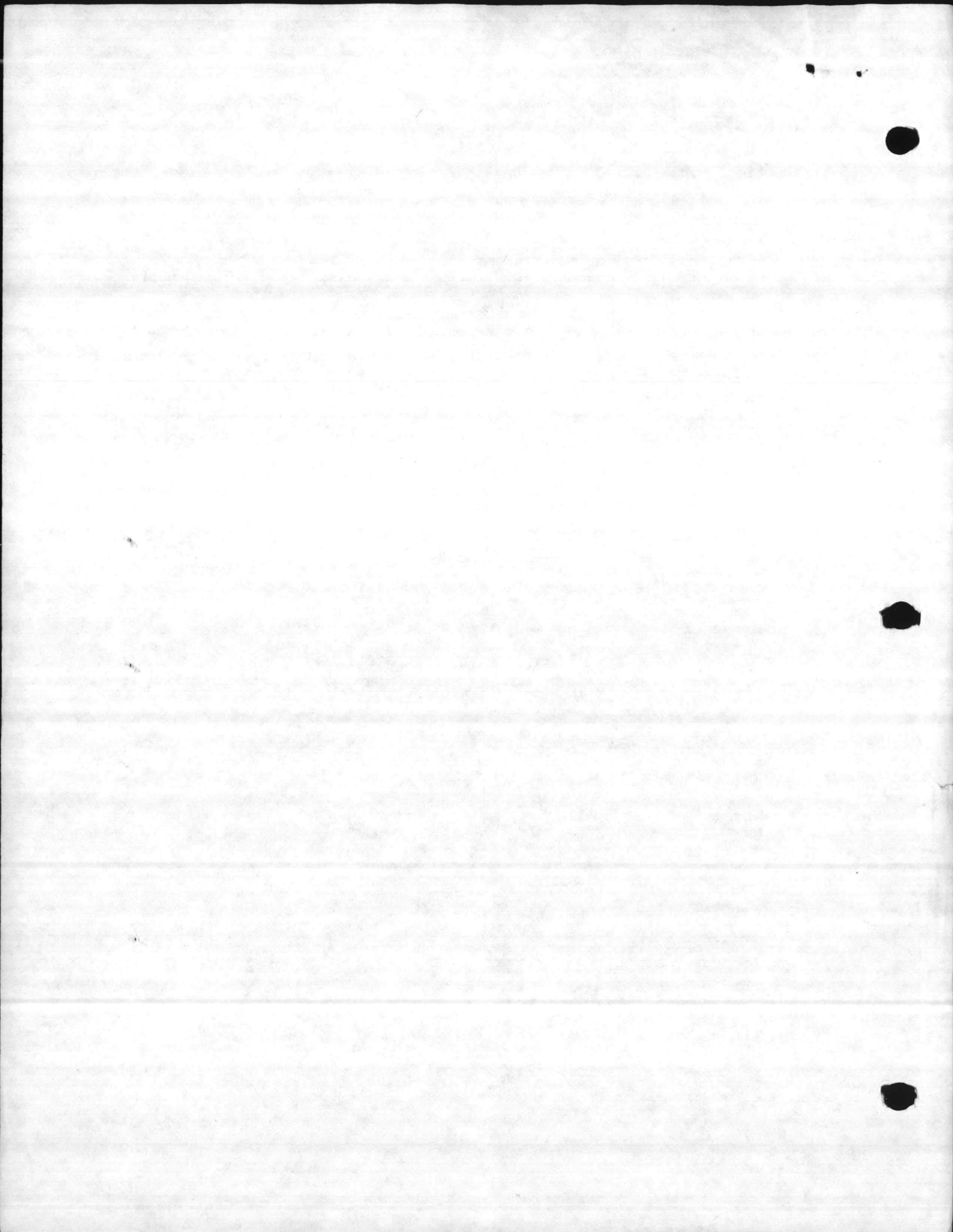
The handout examples are general in terms and designed to provide information covering a hypothetical and underdeveloped region for the sake of keeping the class uncomplicated.

The students are encouraged to ask questions at any time during the period of instruction.

### Admin Heading

Beach name, beach number, date

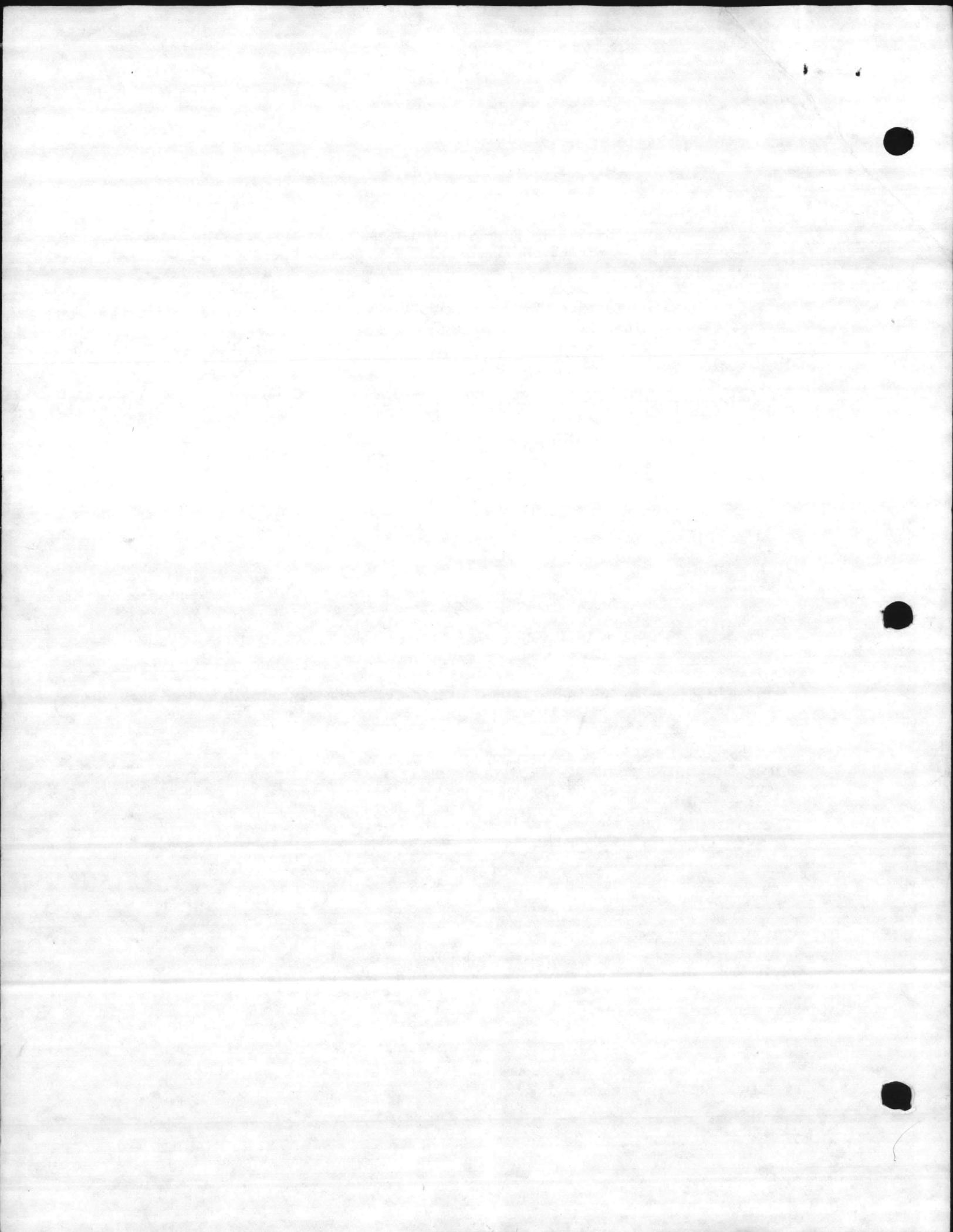
1. Country
2. Charts/Map Reference  
Country (title), scale, series, and sheet number
3. Latitude and Longitude
4. Grid Coordinates
5. Distance and Direction from Prominent Landmark  
Include magnetic azimuth
6. Left Flank: Self-explanatory
7. Center: -do-
8. Right Flank: -do-
9. Total Length
10. Useable Length  
Unobstructed
11. Configuration  
Concave, straight, or convex
12. Unusable parts
13. Beach Widths (at low water and high water) and Gradients
14. Materials  
What the beach is made up of, i. e. silt, sand, clay



15. Trafficability  
Restricted to good, fair, or poor for personnel (P), wheeled vehicles (W) and tracked vehicles (T)
16. Exits  
Roads, paths, breaks in terrain, location given in grid coordinates, gradient given in percent. Utilize P,W,T for personnel, wheeled, or tracked vehicles.
17. Proximity of Beach to Developed Areas  
Self-explanatory
18. Local Use of Beach
19. Distance to Nearest Cover or Concealment
20. Terrain Behind Beach  
Landform type: plains, mountains, desert. Type coastline; concave, straight, or convex. Bluffs or cliffs; how high, materials. Other irregularities. List man-made terrain. Describe primary and secondary soil type, offroad trafficability.
21. Vegetation
22. Obstructions
23. Surf Conditions  
Use 2 observations (high and low tide)
24. Tides  
When observed by installation of tide station or existing tide station.
25. Currents  
Type and Direction. Velocity measured by observing floatation device timed through a pre-measured distance. (The rest of the information required in this section may be obtained from other sources, i.e. library)
26. Roads and Routes of Communication  
Include width of travelled way and cleared way. (actual roadway and from 'ditch to ditch')
27. Critical Terrain
28. Photography Log
29. Sketch.

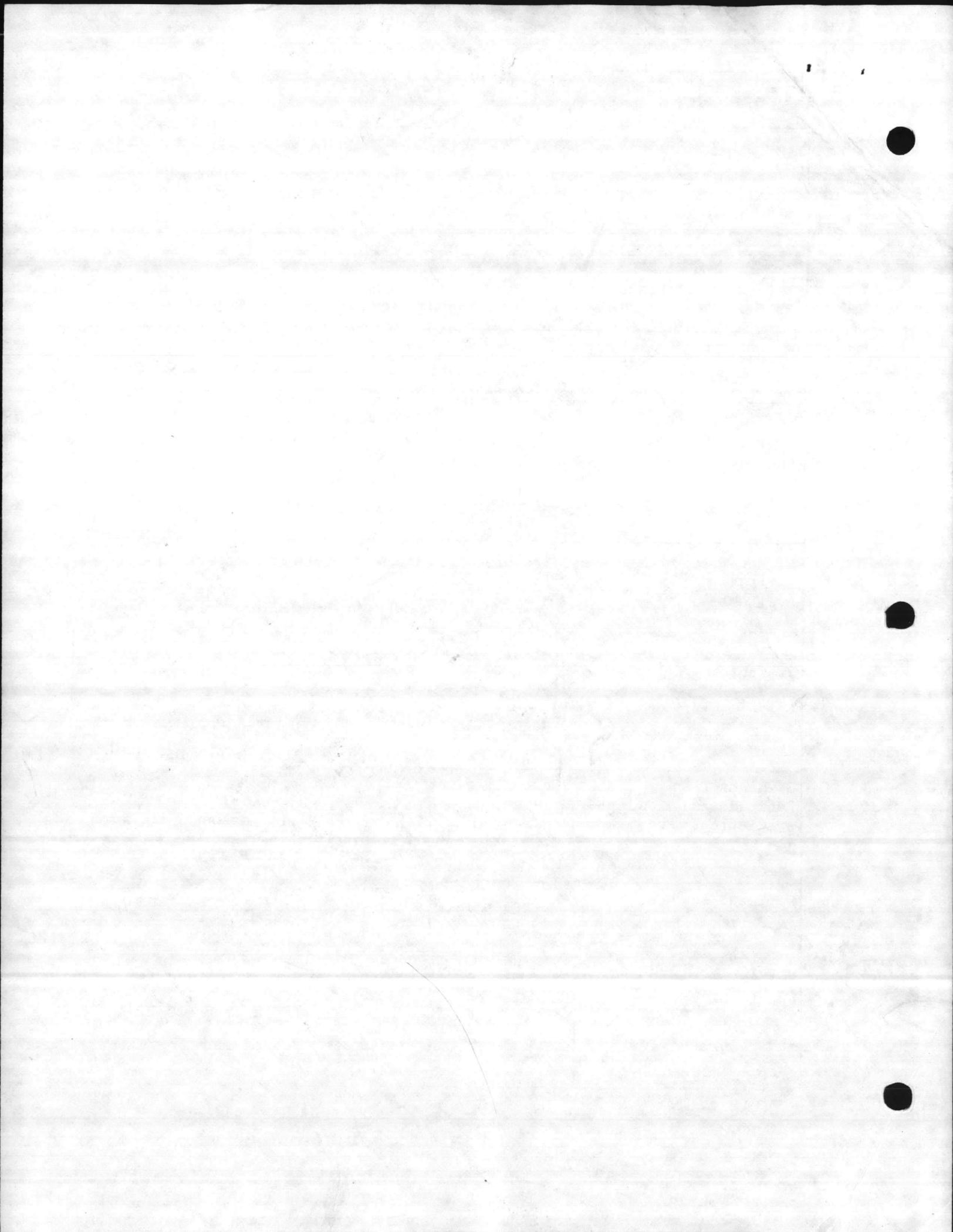
Entertain further questions.

Summarize



CLASSIFICATION

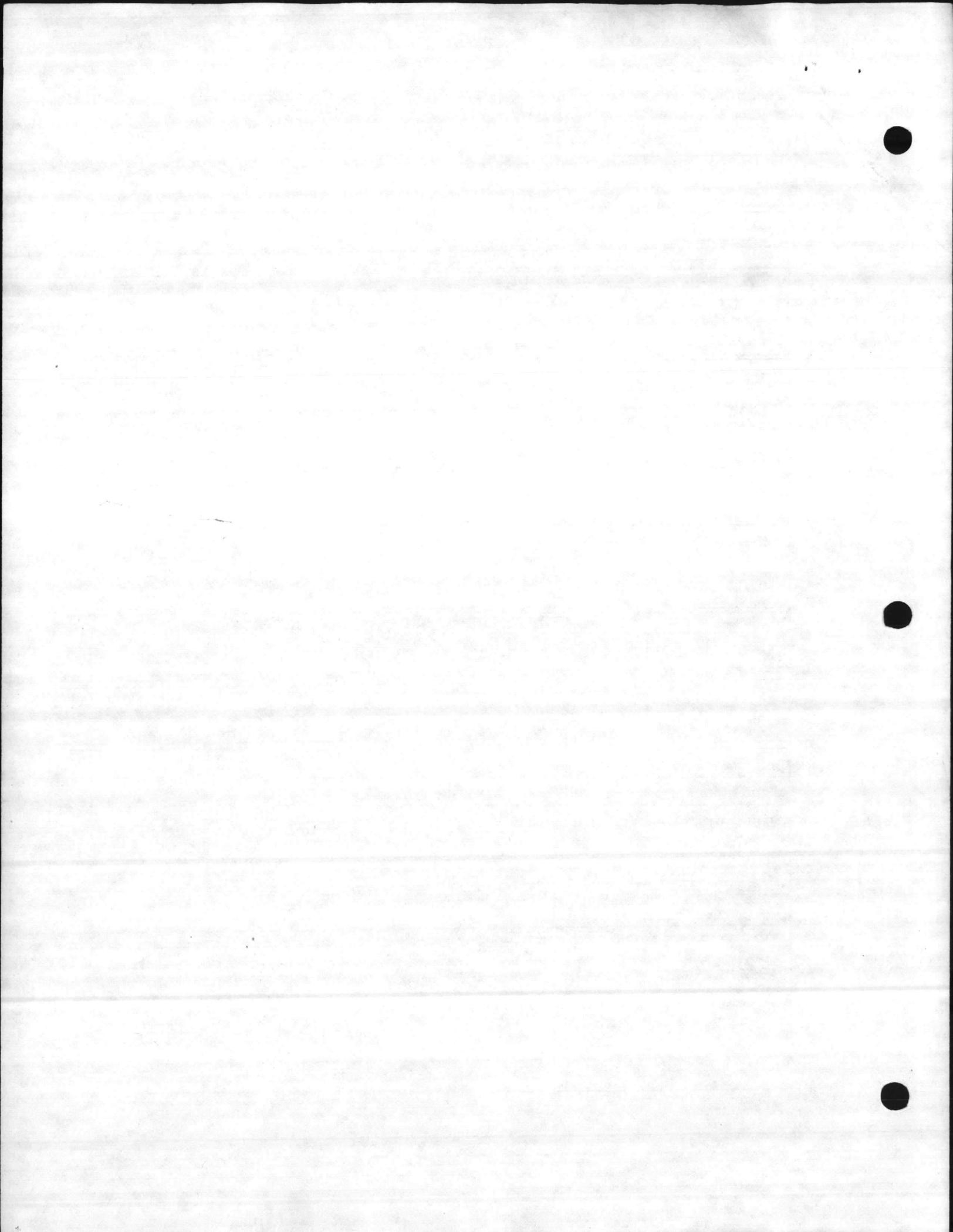
Appendix 2 to Annex A		
BEACH OR LANDING PLACE INTELLIGENCE REPORT		
Beach/Landing Place Name Red Beach		
Beach/Landing Place Number Beach #1		Date 850422
1. Country Honduras	2. Charts/Map Reference Honduras 1:50,000 Series L781 Sheet 1369II	
3. Latitude and Longitude of Center Lat 12° 09' 50" Long 78° 08' 10"	4. Military Grid Coordinates of Center 21251955	
5. Distance and Direction from Prominent Landmark 50 Km East of Puerto Gusto lighthouse (98°)		
6. Left flank - (compass direction from Center) describe briefly. Give Latitude and Longitude, Grid coordinates. (Refer to annotated photo, if available). 87° Mag Az GC 43752120 Mildly sloping beach bordered Lat 12° 10' 14" on the east by mangrove. Long 78° 12' 14" (Photo #8-20 Roll #1)		
7. Center - describe briefly (Refer to annotated photo, if available). Center of beach is mildly sloping (app 1:70) sand. (Photo #8-20 Roll #1)		
8. Right flank - (compass direction from Center) describe briefly. Give Latitude and Longitude, Grid coordinates. (Refer to annotated photo, if available). 295° magnetic az GC 44252120 Mildly sloping beach bordered Lat 12° 10' 14" on the west by a fishing pier. Long 78° 12' 14.1" (Photo #8-20 Roll #1)		
9. Total length 500 M	10. Usable length 500 M	11. Configuration Concave
12. UNUSABLE PARTS (Obstructions, Separations, Interruptions)		
Location	Description	Extent
None		



CLASSIFICATION

BEACH OF LANDING BEACH INTELLIGENCE REPORT

13. BEACH WIDTHS AND GRADIENTS													
Location	L. W.		H. W.		Gradient	Remarks							
Left flank	200 M		150 M		1:70								
Center	185 M		130 M		1:70								
Right flank	160 M		118 M		1:70								
Other Critical Reference Points													
14. MATERIALS													
Location	Lower Foreshore			High Water Zone			Backshore		Remarks				
Left flank	silt			silt			silt						
Center	sand			sand			sand						
Right flank	sand			sand			sand						
Other Critical Reference Points													
15. TRAFFICABILITY (Good, Fair, Poor, and CBR #)													
Location	Lower Foreshore				High Water Zone				Backshore				Remarks
	P	W	T	CBR	P	W	T	CBR	P	W	T	CBR	
Left flank	F	P	P		P	P	P		P	P	P		
Center	F	F	F		F	F	F		F	F	F		
Right flank	F	F	F		F	P	F		F	F	F		
Other Critical Reference Points													
(P= Personnel, W= Wheeled Vehicle, T= Tracked Vehicle)													
16. EXITS													
Location	Nature	Height		Gradient	Usable by		Gives access to						
12345678	Road			2%	P W T		Coastal road						
23456789	Road			Flat	P W T		Coastal road, Santa Juliana, and bridge over Rio Miserables						



BEACH REPORT

17. Proximity of Beach to developed areas  
5 Km north of coastal road

18. Local use of Beach  
Fishing and recreation by local inhabitants

19. DISTANCES TO NEAREST COVER OR CONCEALMENT

Location	LWL	HWL	Type of Concealment	Remarks
Left flank	210 M	160 M	Mangrove	
Center	185 M	130 M	Rainforest	
Right flank	165 M	123 M	Rainforest	

Other Critical Reference Points  
None

20. TERRAIN BEHIND BEACH

Landform Type  
Alluvial plain covered with rainforest

Type Coastline  
Concave

Bluffs, Cliffs  
None

Other Irregularities  
None

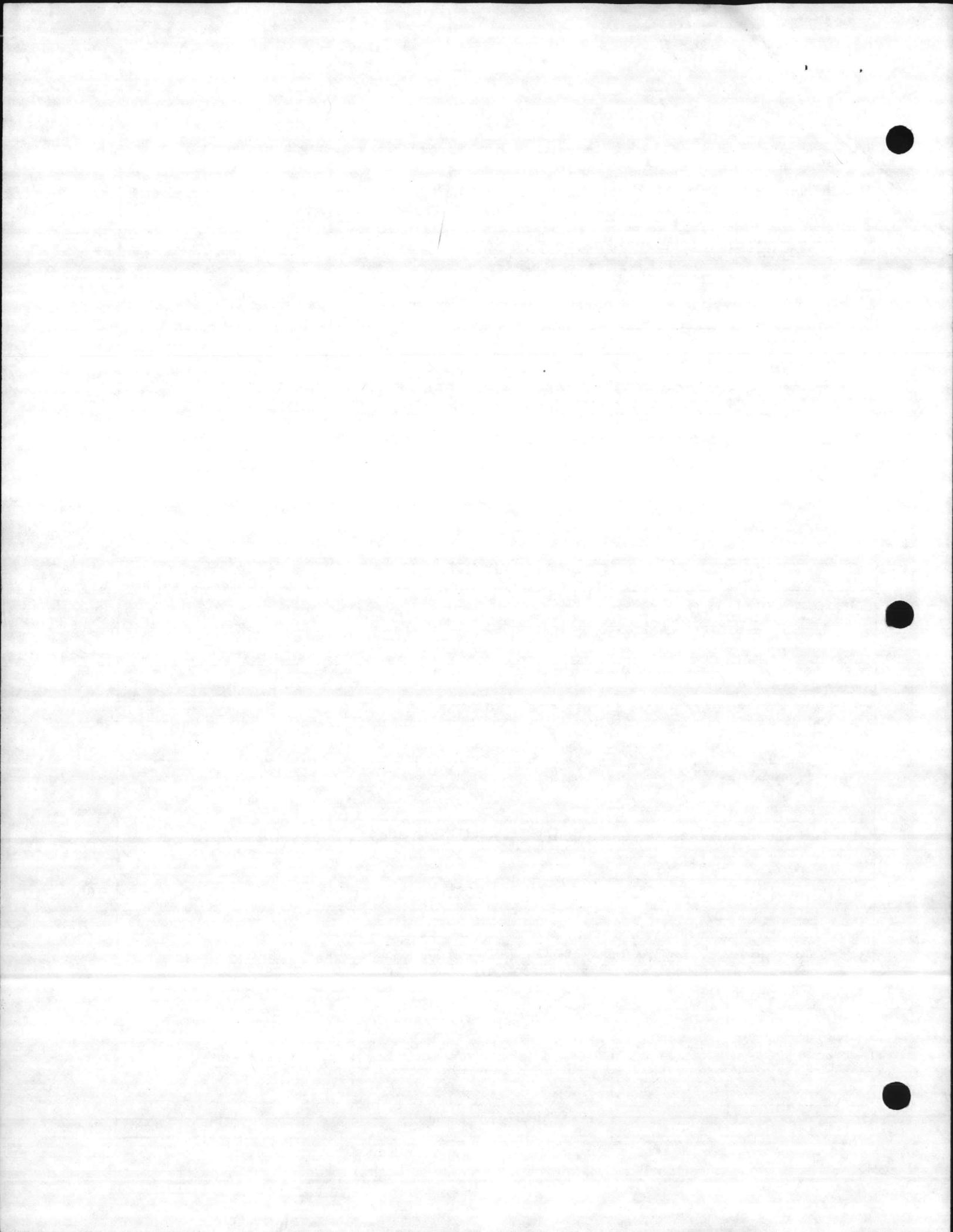
Man Made Terrain, (seawalls, road berms, dikes, etc)  
Single span, 2lane concrete bridge across Rio Miserables

Soil Type (Primary)	Soil Type (Secondary)
---------------------	-----------------------

Offroad Trafficability (good, fair, poor, very poor) Very Poor

21. VEGETATION

Location	Type	Density	Inhibit Movement	Remarks
Left flank	Mangrove	Thick	Yes	Impassable by W T
Center	Rainforest	Thick	Yes	
Right flank	Rainforest	Thick	Yes	



CLASSIFICATION

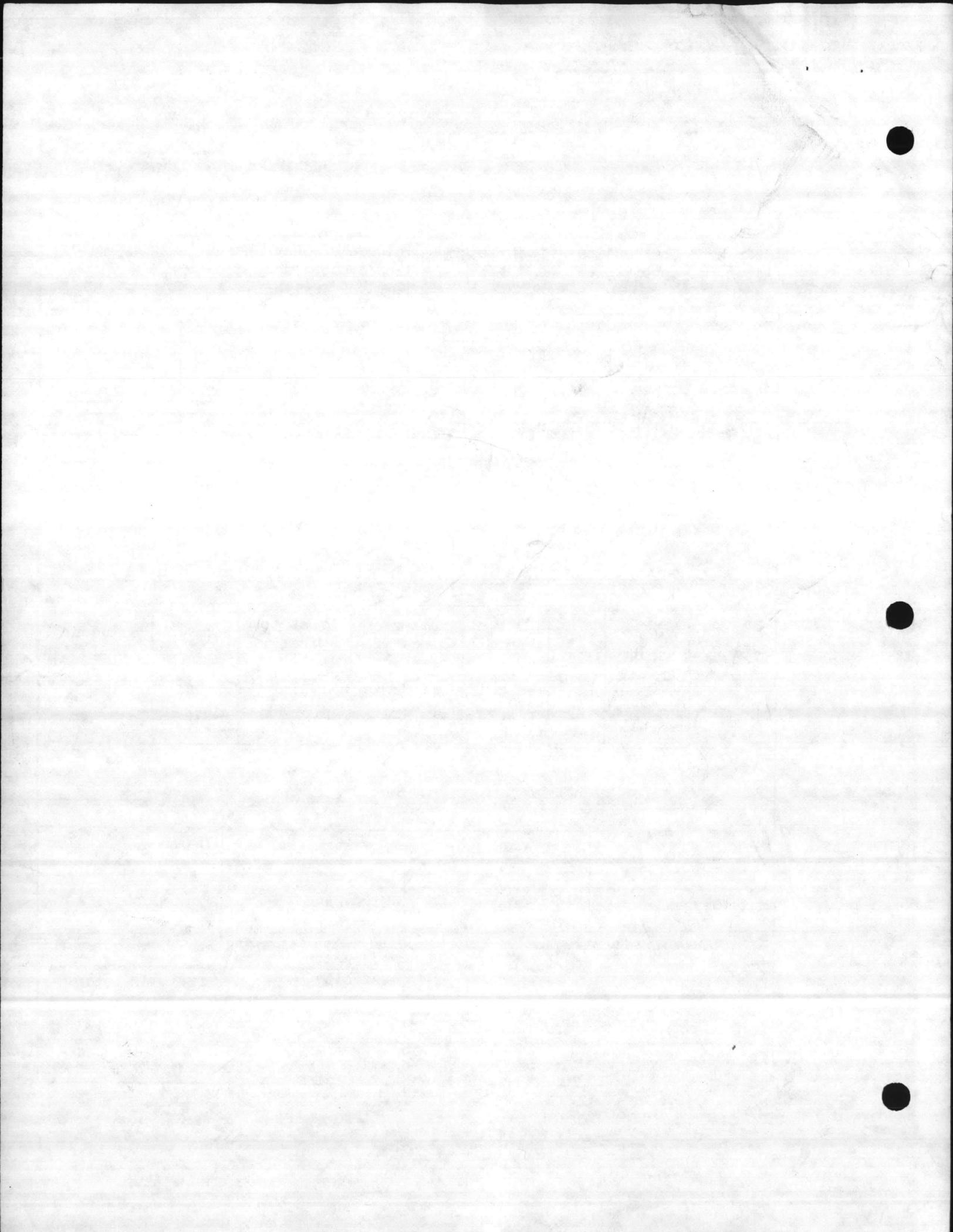
BEACH OR LANDING PLACE INTELLIGENCE REPORT

22.		APPROACHES					
Offshore Obstructions (describe and locate, if uncharted)							
None							
Nearshore Obstructions (including icing, if applicable)				Degree of Obstruction (slight, moderate, total)			
None							
Nearshore	Distance from HWL to Depths referred				Bottom Gradient	Bottom Material	Remarks
	2m	4m	6m	10m			
Left flank	200 M	400 M	600 M	1 Km	1:70	Sand	
Center	210 M	410 M	610 M	1.1Km	1:70	Sand	
Right flank	220 M	420 M	620 M	1.2 Km	1:70	Sand	
Other Critical Reference Points							

23.		SURF CONDITIONS					
Date/Time	Height	Type	Width of Surf Zone	Number of lines of breakers	Crest to Crest length / Period	Dir. of Approach	Incident Angle
850422 1300	2 Ft.	Spill	50 M	2	20M / 20Sec	South	05°
Exceptions							

24.		TIDES			
Type	Highest H. W.	Lowest L. W.	Datum		
Max. Range	Avg. Range	Min. Range	Equipment Used		

25.		CURRENTS			
Direction Littoral & Easterly			Velocity 3 fps.		
Water Temp. (Winter Avg.) 68° F			Water Temp. (Summer Avg.) 76° F		
Ice present in Winter No			Rips Observed None		

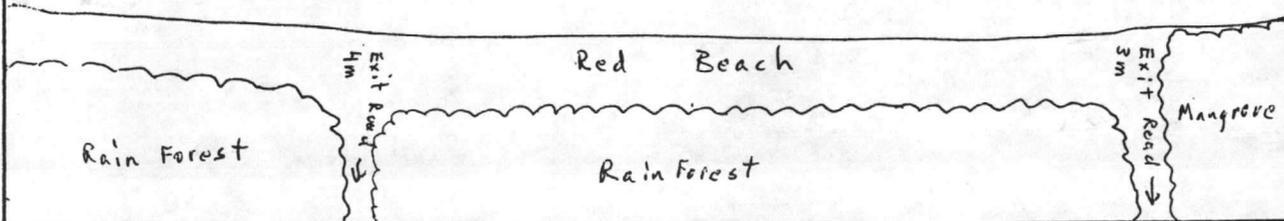


BEACH REPORT

26. ROADS AND ROUTES OF COMMUNICATION

UTM Reference	Route Number	Surface Material	Width of Traveled Way	Condition	Remarks
21256148 to 34565432		Stabilized Soil	4 M/6M	Poor	Usable in dry weather
21154321 to 23454321		Stabilized Soil	3 M/5m	Poor	Usable in dry weather

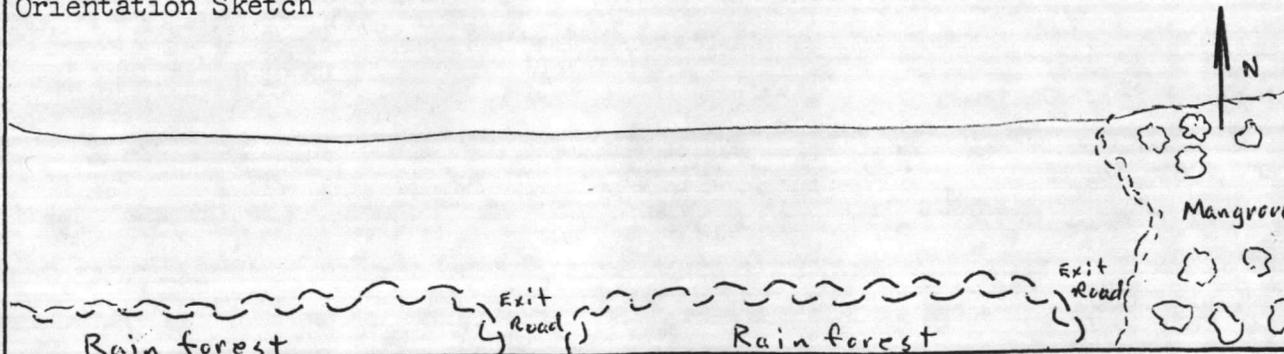
Orientation Sketch

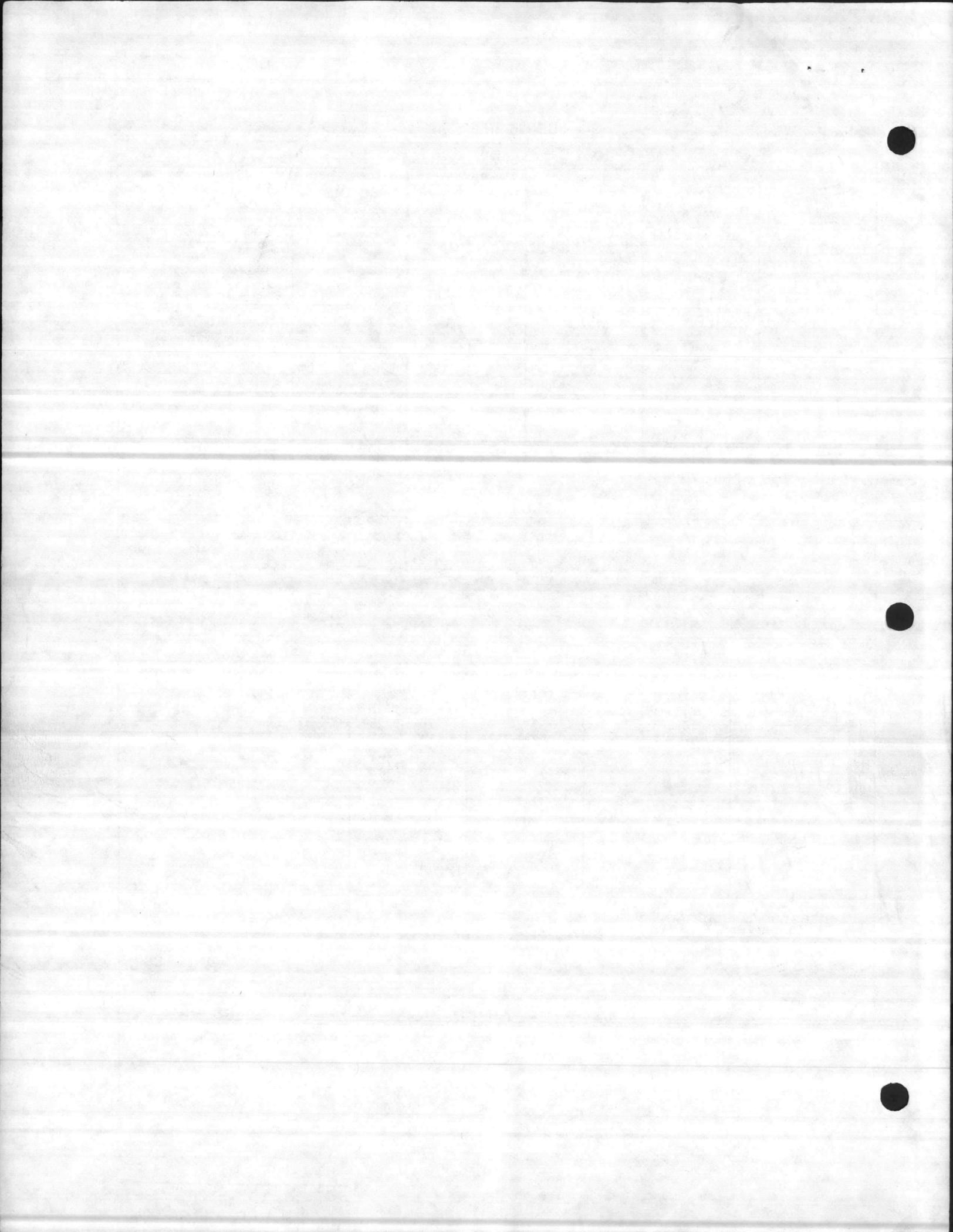


27. CRITICAL TERRAIN

Location (UTM)	Visible Indications	Photo-graphic Reference	Reason Critical	Description

Orientation Sketch

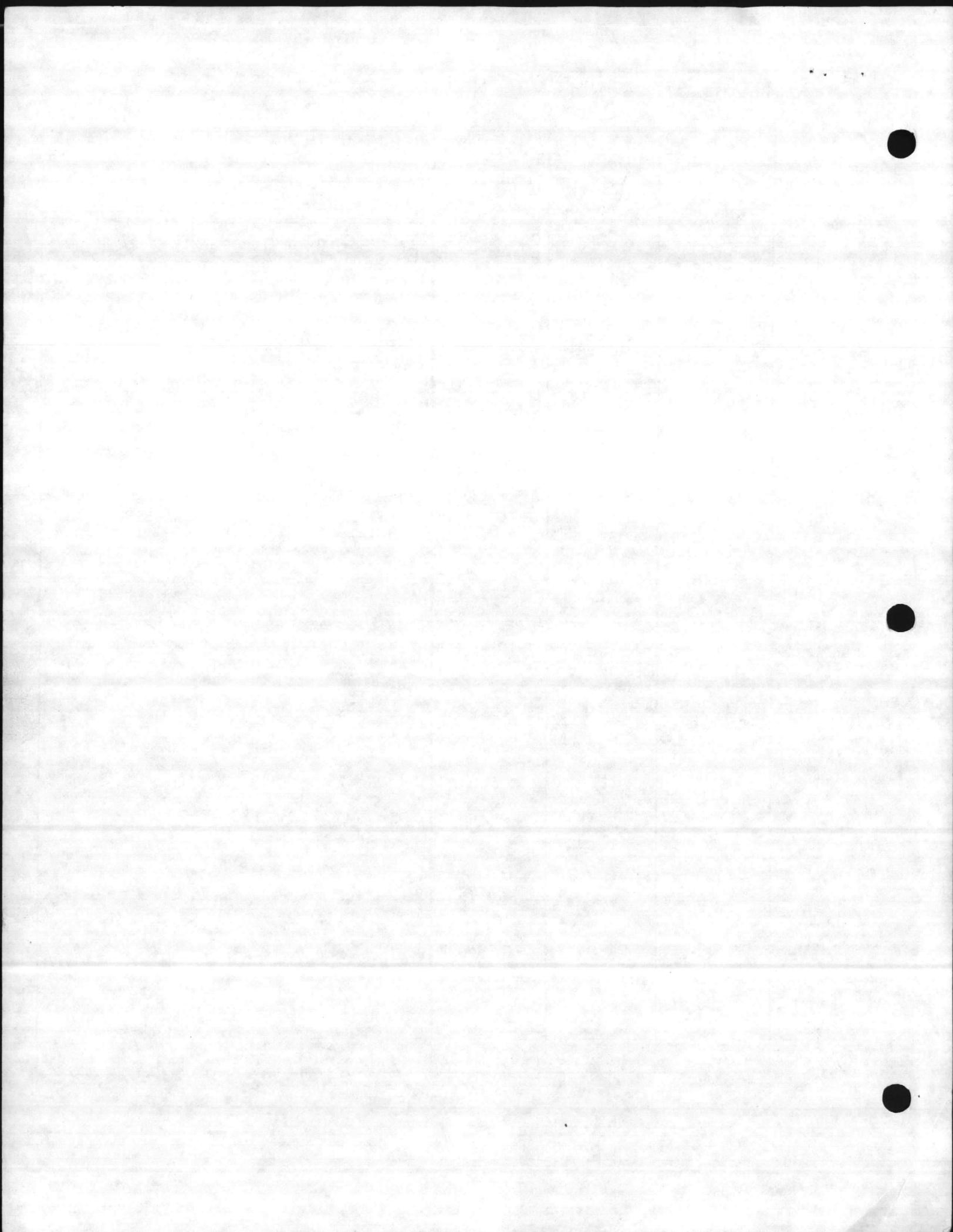




CLASSIFICATION

BEACH OR LANDING PLACE INTELLIGENCE REPORT

28.		PHOTOGRAPHIC LOG	
Photo-graphic Designation	Type	Location	Description
Roll #1 8-20	35MM B&W	Center of Beach	Panoramic of Red Beach from left flank to right flank
21	"	"	Fishing Pier



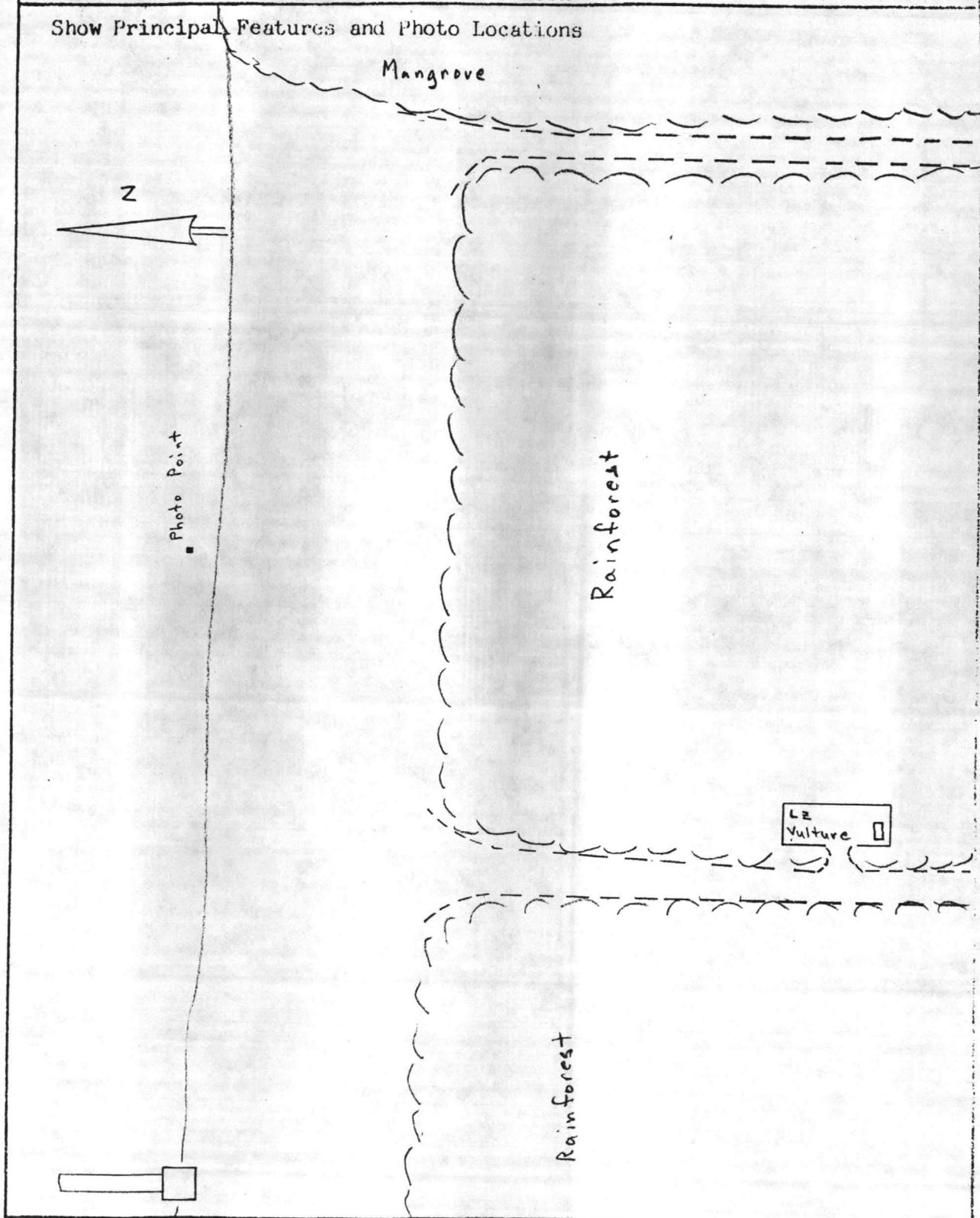
CLASSIFICATION

BEACH OR LANDING PLACE INTELLIGENCE REPORT

29.

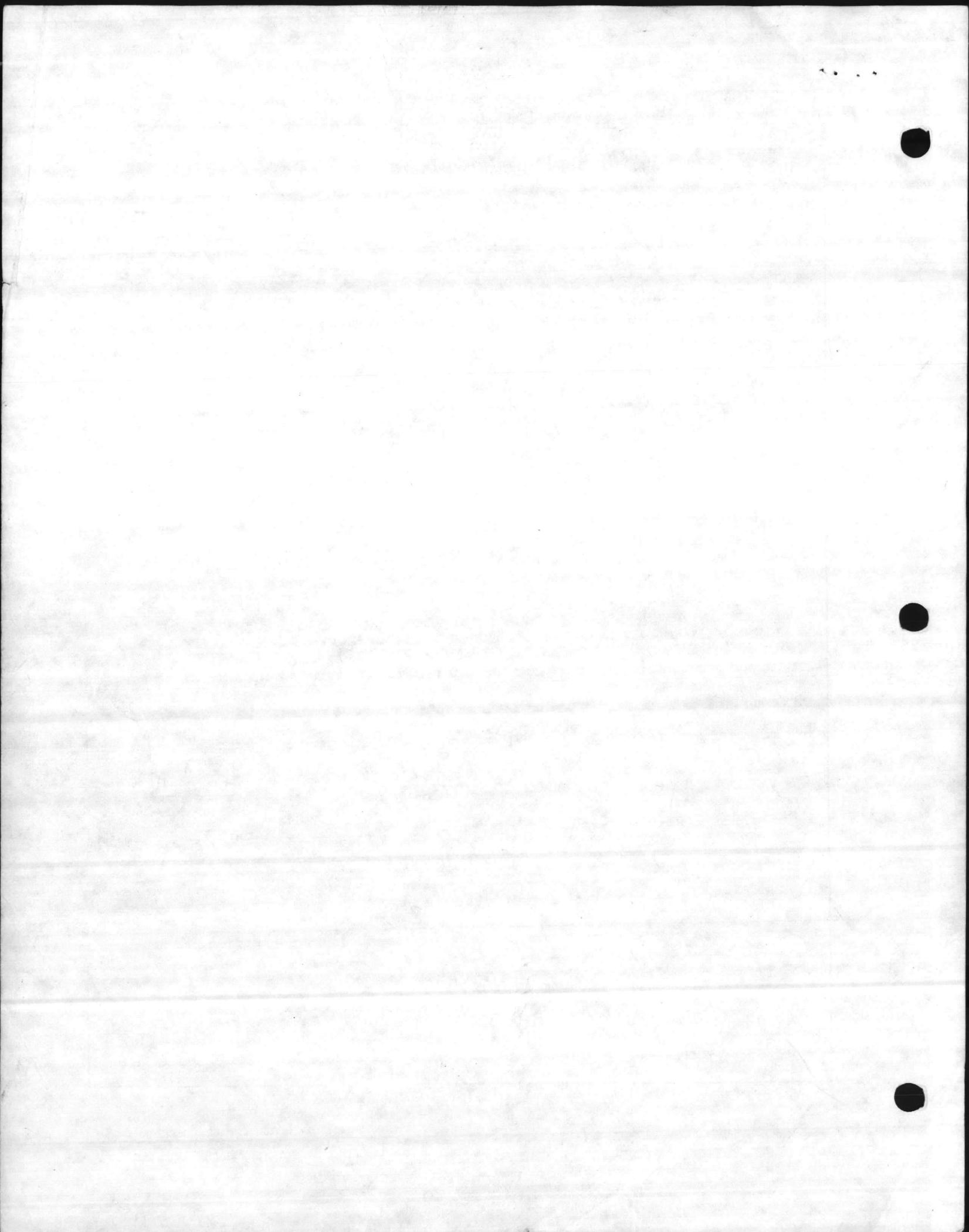
BEACH SKETCH

Show Principal Features and Photo Locations



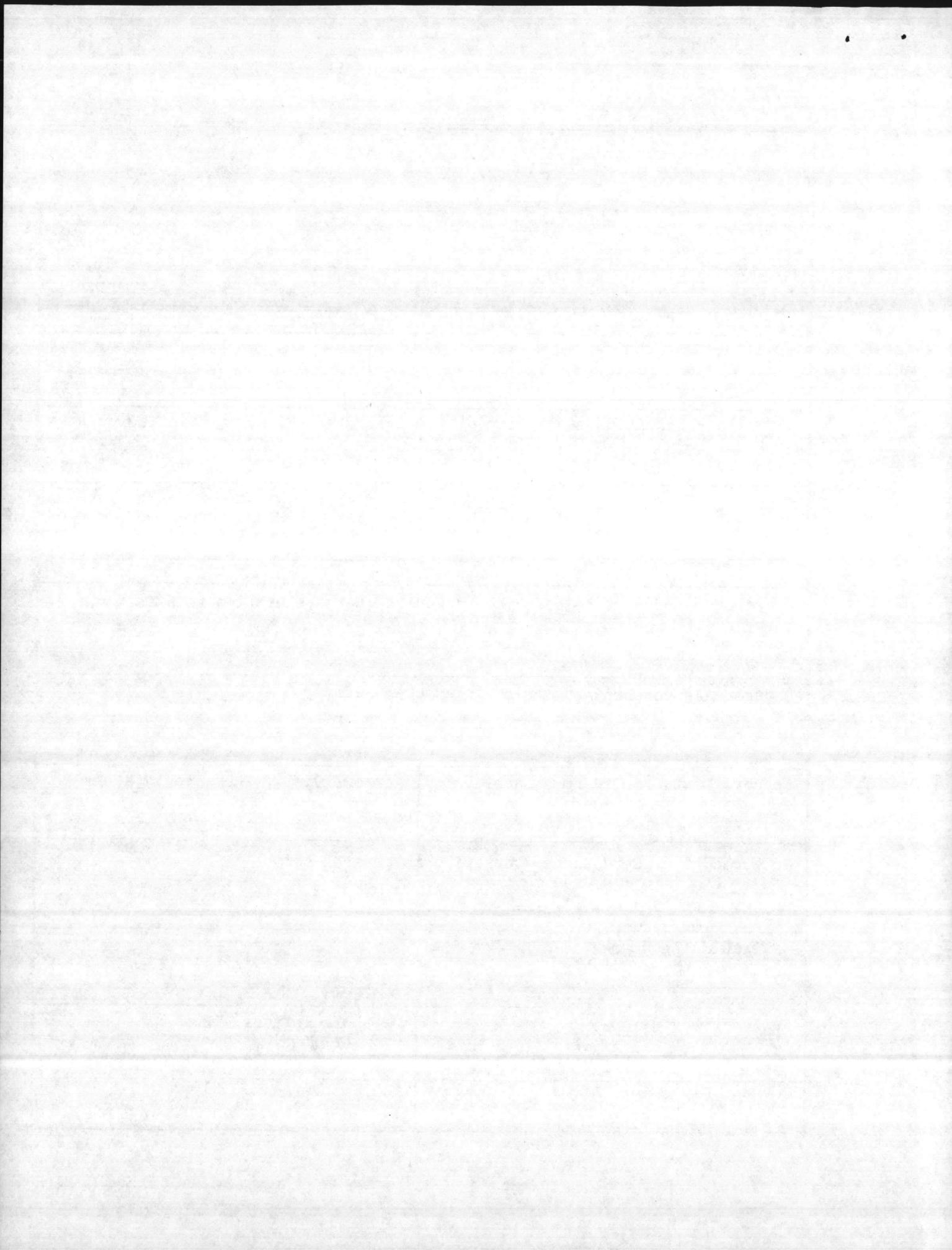
A - 2 - 7

CLASSIFICATION



CLASSIFICATION

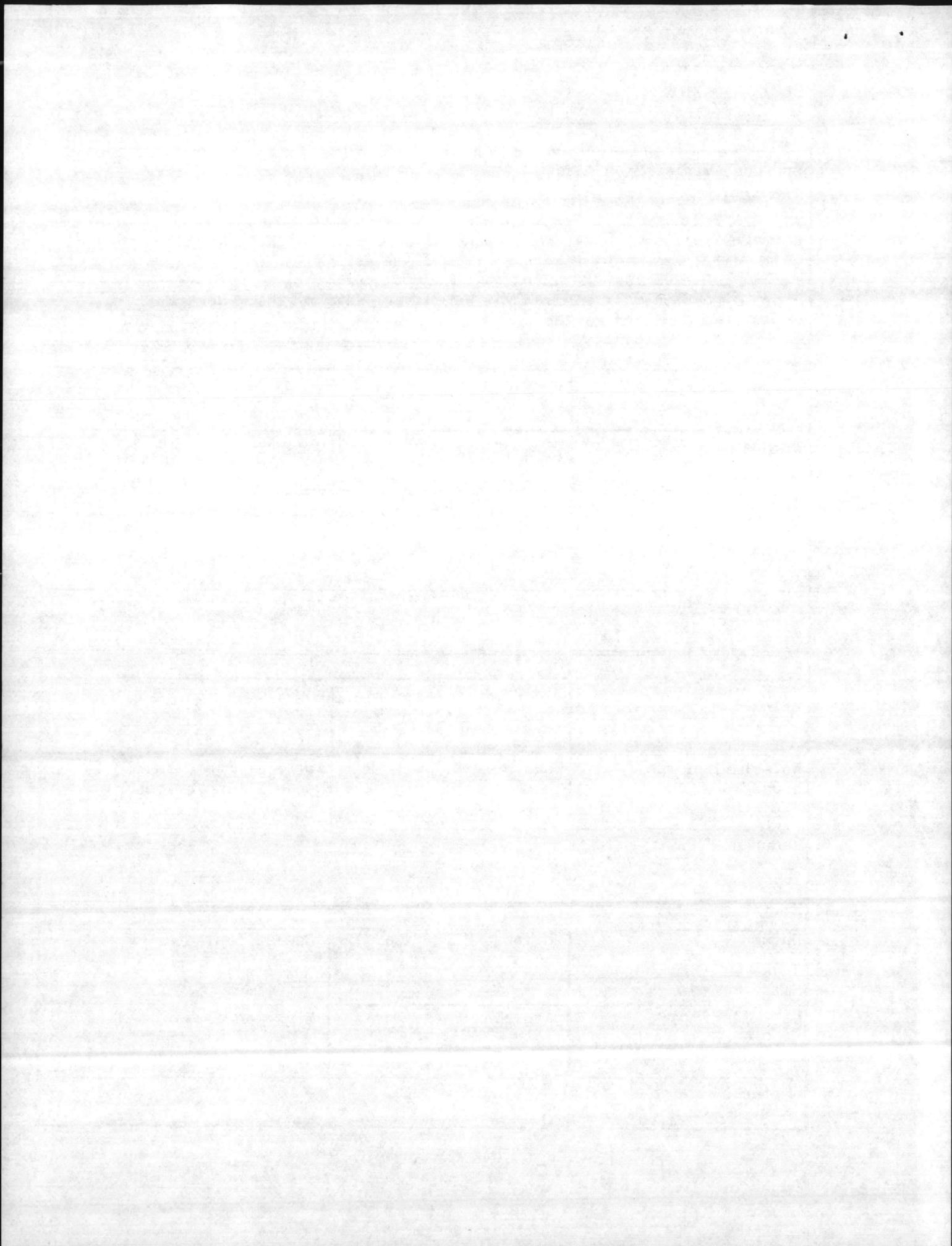
Appendix 1 to Annex A		C. I. R. #	
COAST INTELLIGENCE REPORT			
Country Sector		Date	
1. BOUNDARIES OF REPORTED AREA			
Location (by Major Landmarks)			
Left flank Longitude and Latitude		Left flank Military Grid Coordinates	
Right flank Longitude and Latitude		Right flank Military Grid Coordinates	
2. APPROACHES			
Nearshore Approaches - describe in general terms (shoreline to 5 fathom curve)			
Offshore Approaches - describe in general terms			
Approx. Dist., Shore to 3 fathom curve		Approx. Dist., shore to 5 fathom curve	
Meteorological Conditions - describe in general terms			
Navigation Landmarks			
Dangers (Obstacles)		Offshore Islands	
Current Direction		Current Velocity	



CLASSIFICATION

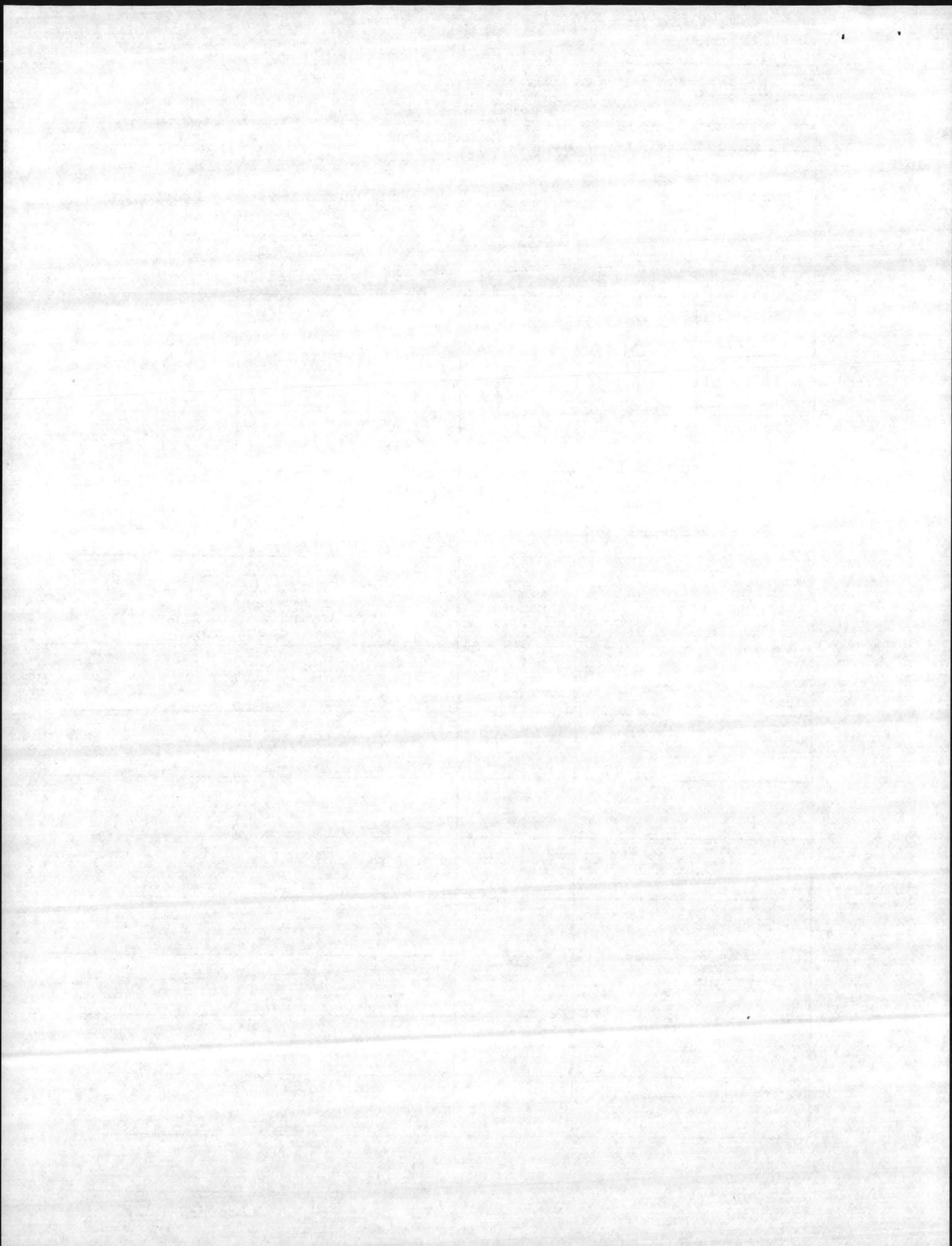
## COAST INTELLIGENCE REPORT

3. SEA CONDITIONS			
Seasonal Variation of Seas - describe			
Normal Direction	Avg. Wave Height	Max. Wave Height	Remarks
Storm Direction	Storm - Avg. Wave Height	Max. Wave Height	Remarks
4. FOG			
Period (Month)	Type	Clear by - (Hour)	
Time of day - (from)	Time of day - (To)	Remarks	
5. WINDS			
Seasonal Variation of Winds - describe			
Normal Direction	Velocity	Storm Direction	Storm Velocity
6. SURF			
High Tide	Mid Tide	Low Tide	
No. of lines of breakers	Wave Height	Angle of breakers to general line of beach	
Remarks			
7. TIDES			
Datum	Highest High Water	Lowest Low Water	
Max. Range	Avg. Range	Min. Range	
Remarks			



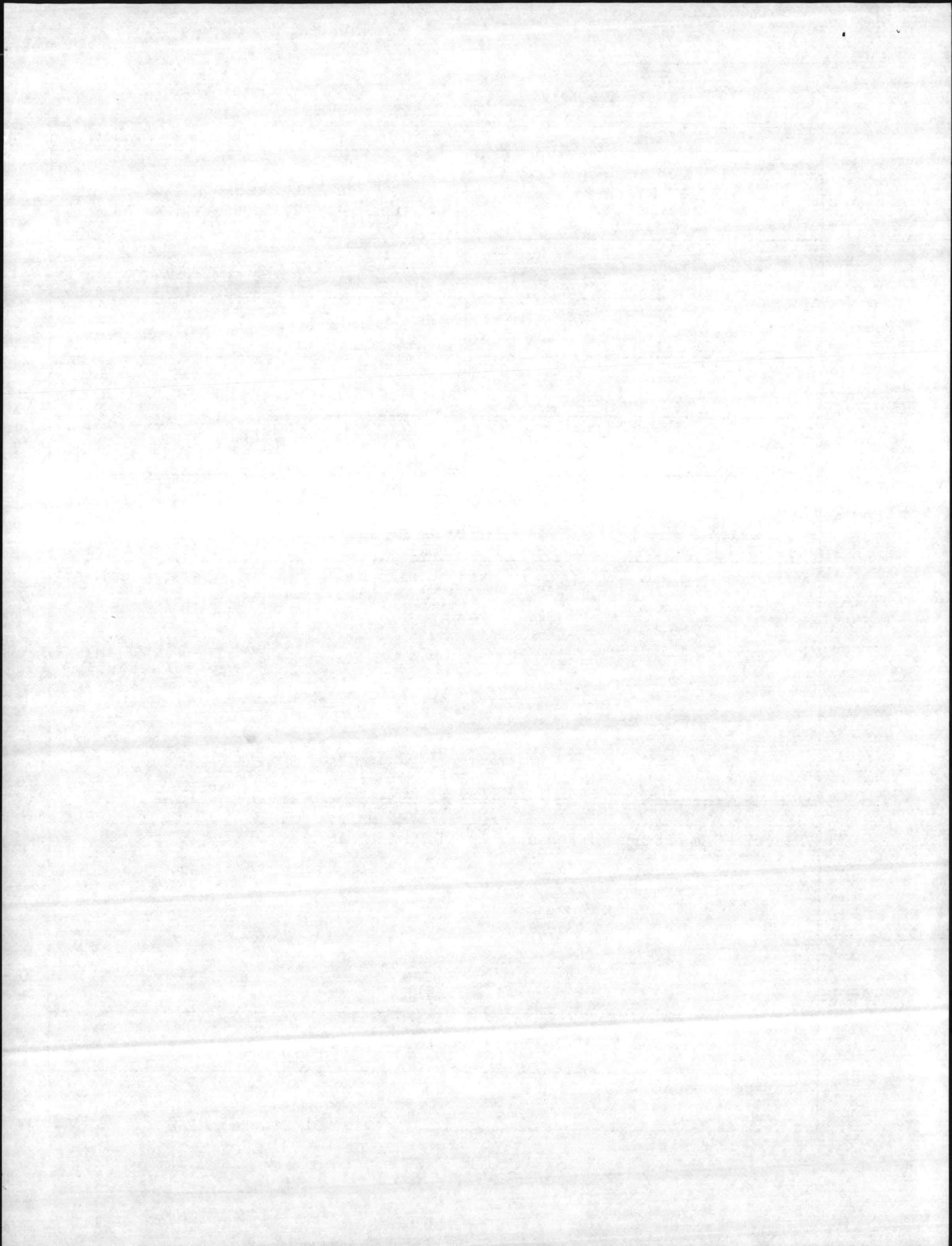
8. ANCHORAGES					
Location	Depths		Area	Holding Qualities	Protection
	Min.	Max.			

9. SPECIFIC REPORTED BEACHES		
Designation	Location	Beach Report Number and Title (Ref. Appendix 2 to Annex A)

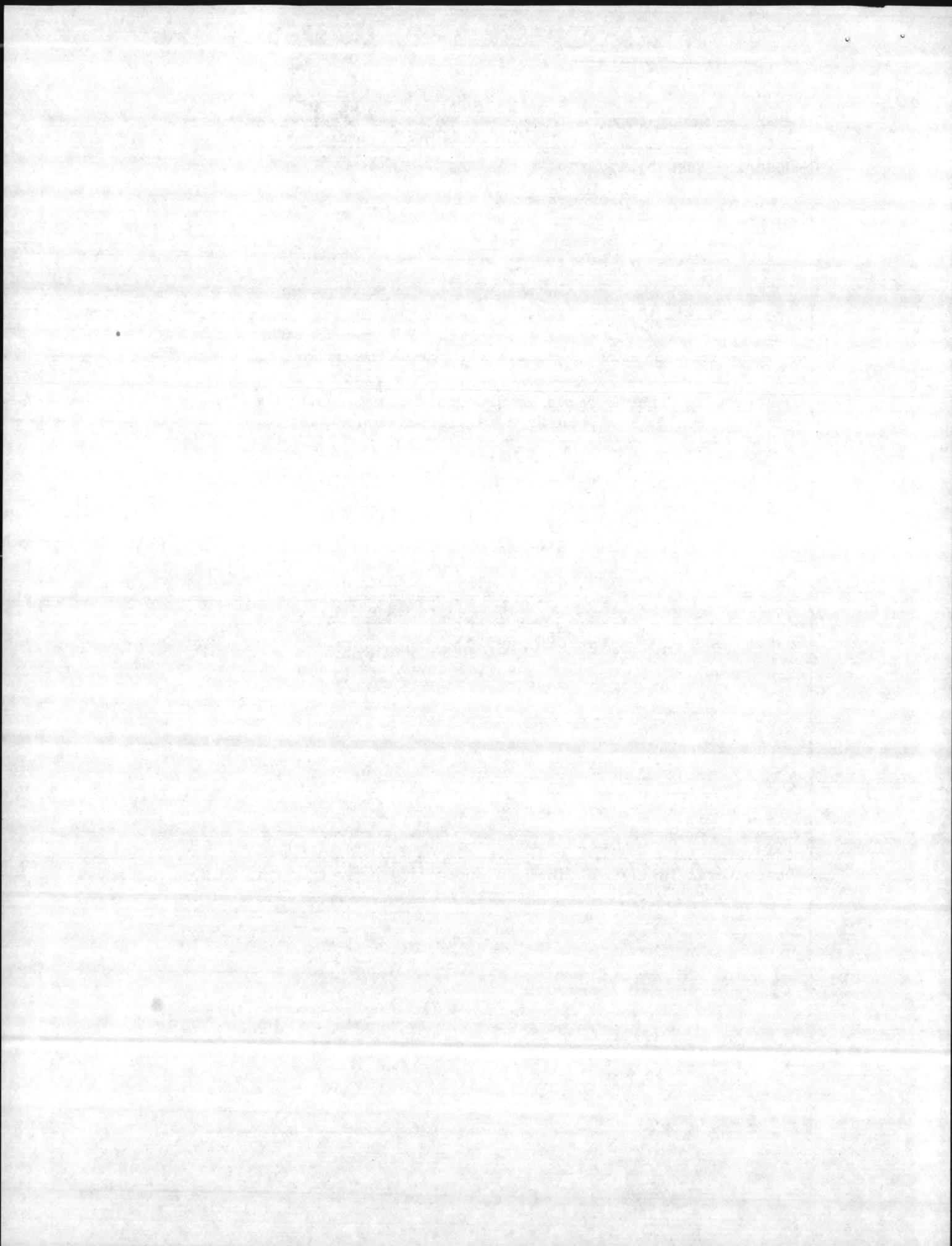


COAST INTELLIGENCE REPORT

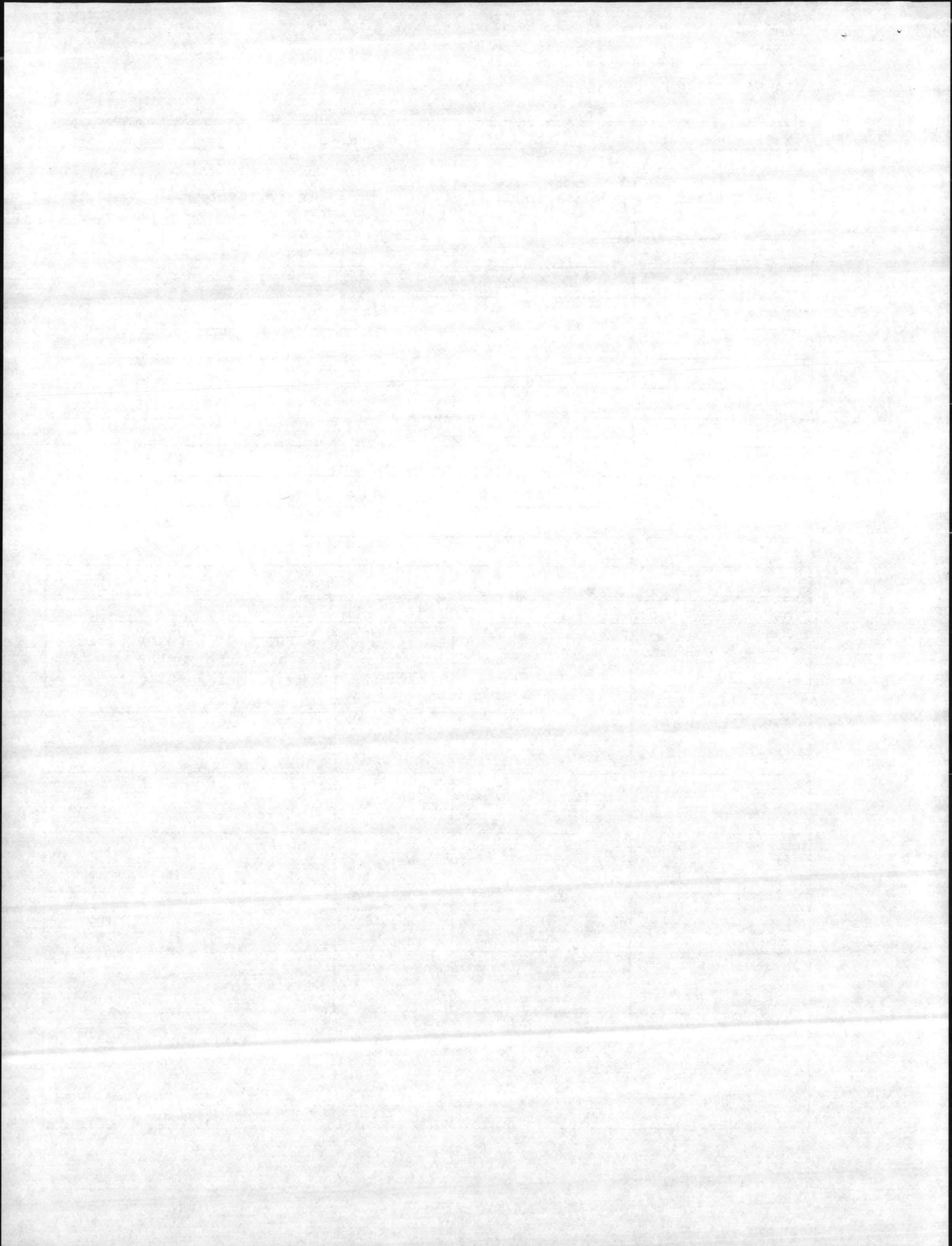
10. PORTS		
Name	Location	Port Information Report Number (Ref. Enclosure 1, Appendix 1 to Annex A)
11. SHORE		
Describe - (rocky, cliffed, fronted by salt pans, fringing reefs, etc.)		
12. COASTAL TERRAIN		
Describe Importance of Features (relief, drainage, etc.)		
Characteristic Vegetation		
Provide Concealment?		



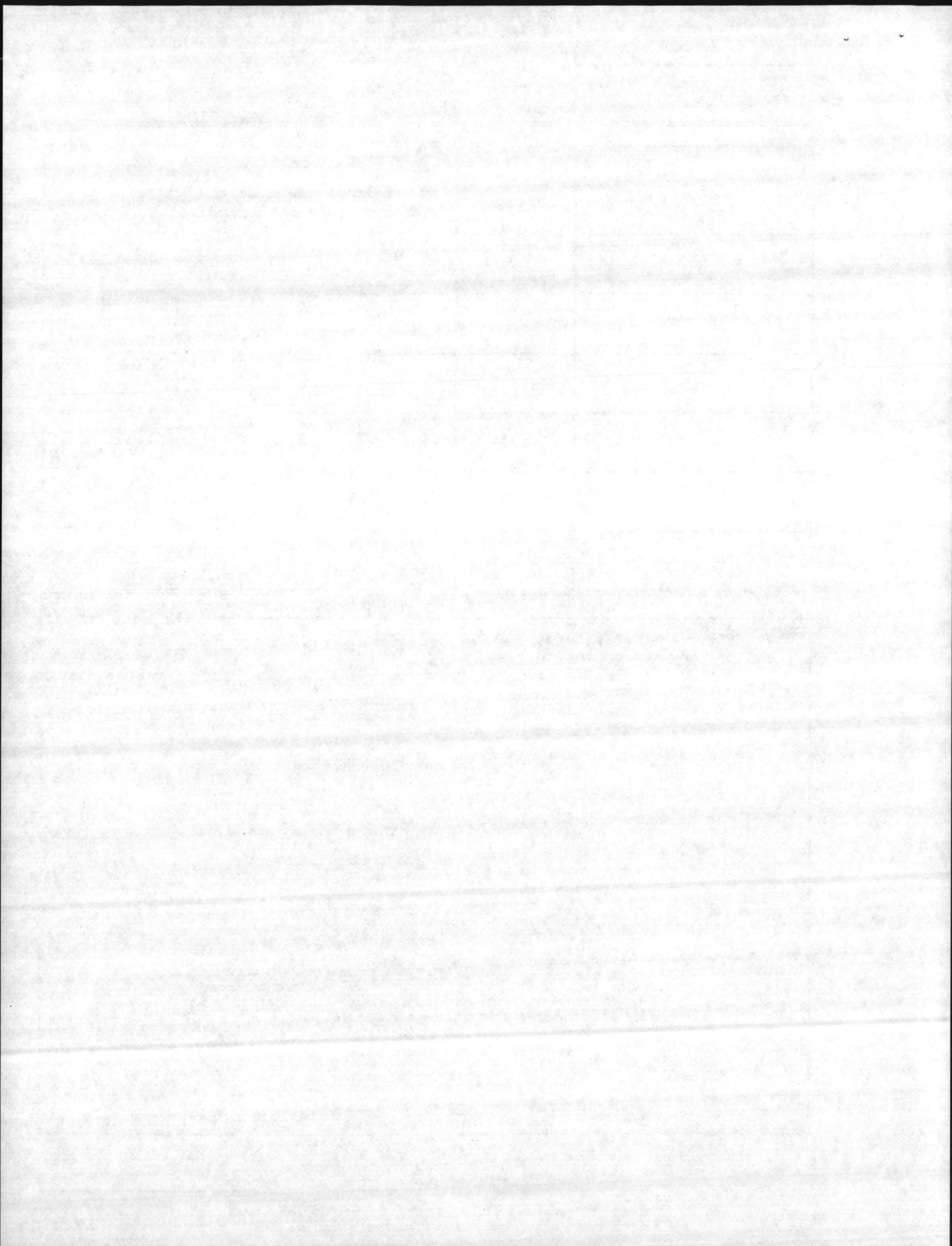
13.	CROSS COUNTRY MOVEMENT
Describe Passibility for Troops and Vehicles	
14.	ROADS
Describe in General Terms Roads, Tracks, and Trails (include Width, Type, Surface, and Condition)	
15.	RAILROADS
Describe briefly - (specify gauge)	
16.	RIVERS, STREAMS, INLAND WATERWAYS AND CANALS
Describe if Present - (include approach to river mouth, minimum depth at bar, navigable distance upstream, locks, etc.)	







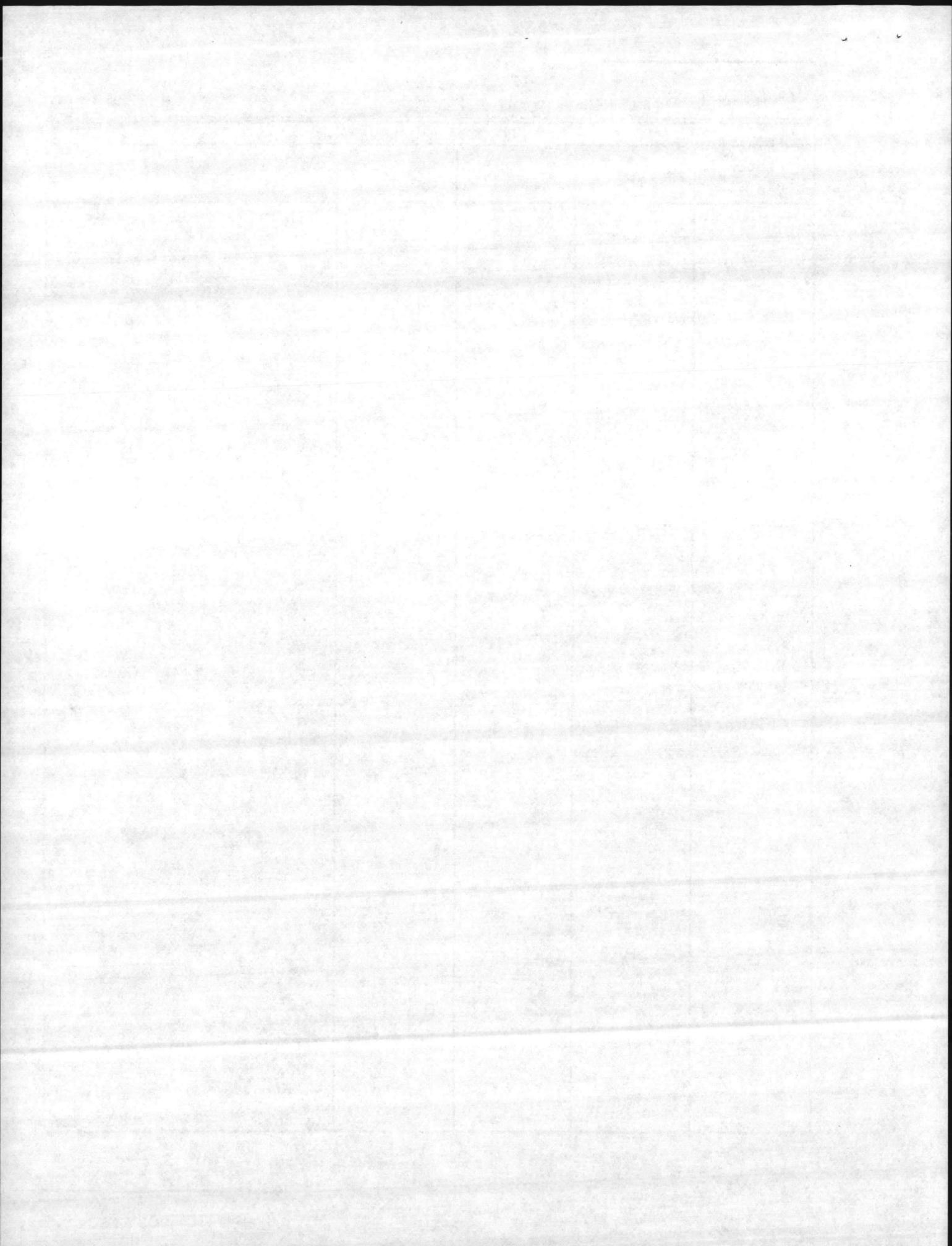




CLASSIFICATION

COAST INTELLIGENCE REPORT

21. PHOTOGRAPHIC COVERAGE				
Photo Designation	Type	Location	Date	Description



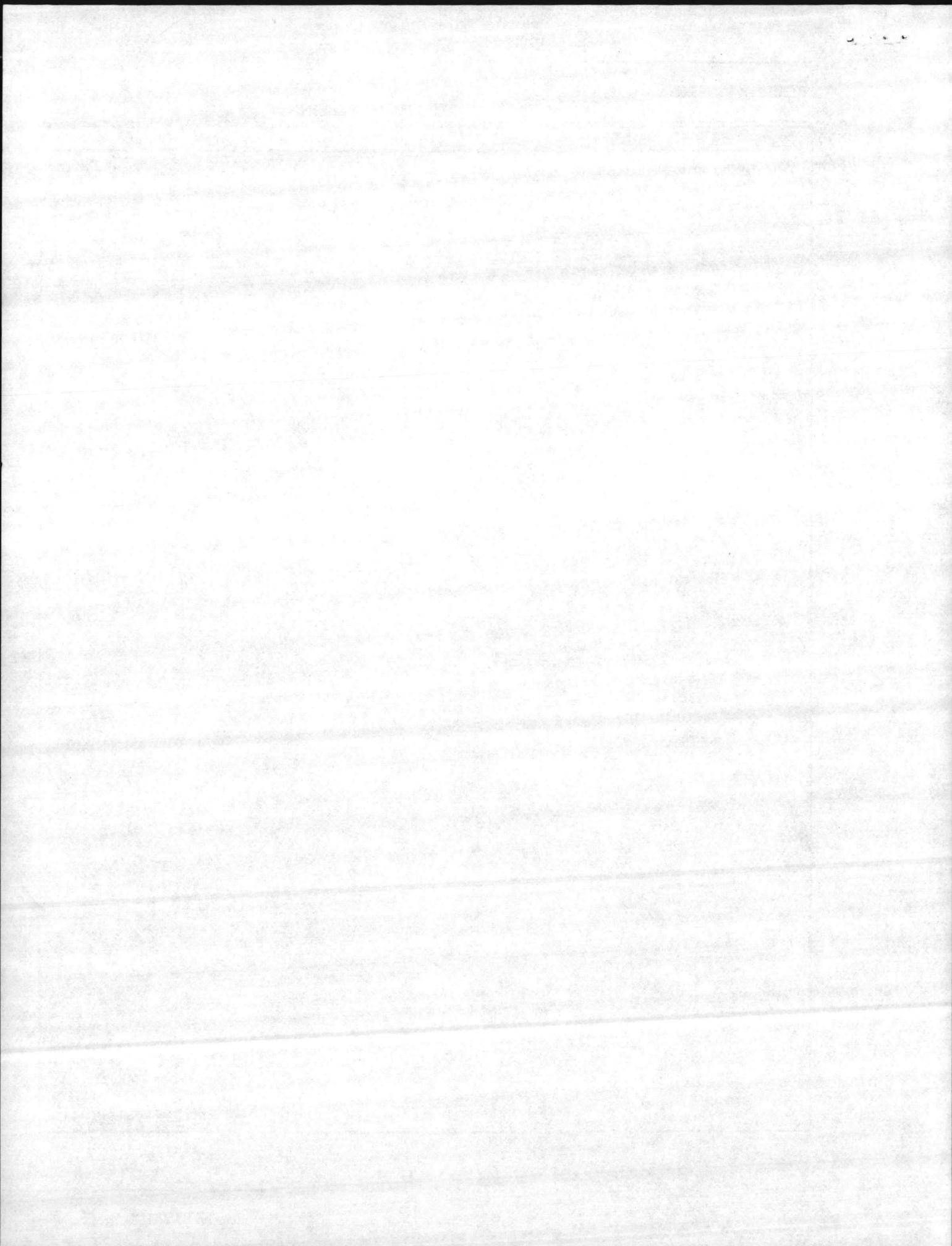
CLASSIFICATION

COAST INTELLIGENCE REPORT

22.

ADDITIONAL REMARKS

Identify any entries by major subject heading

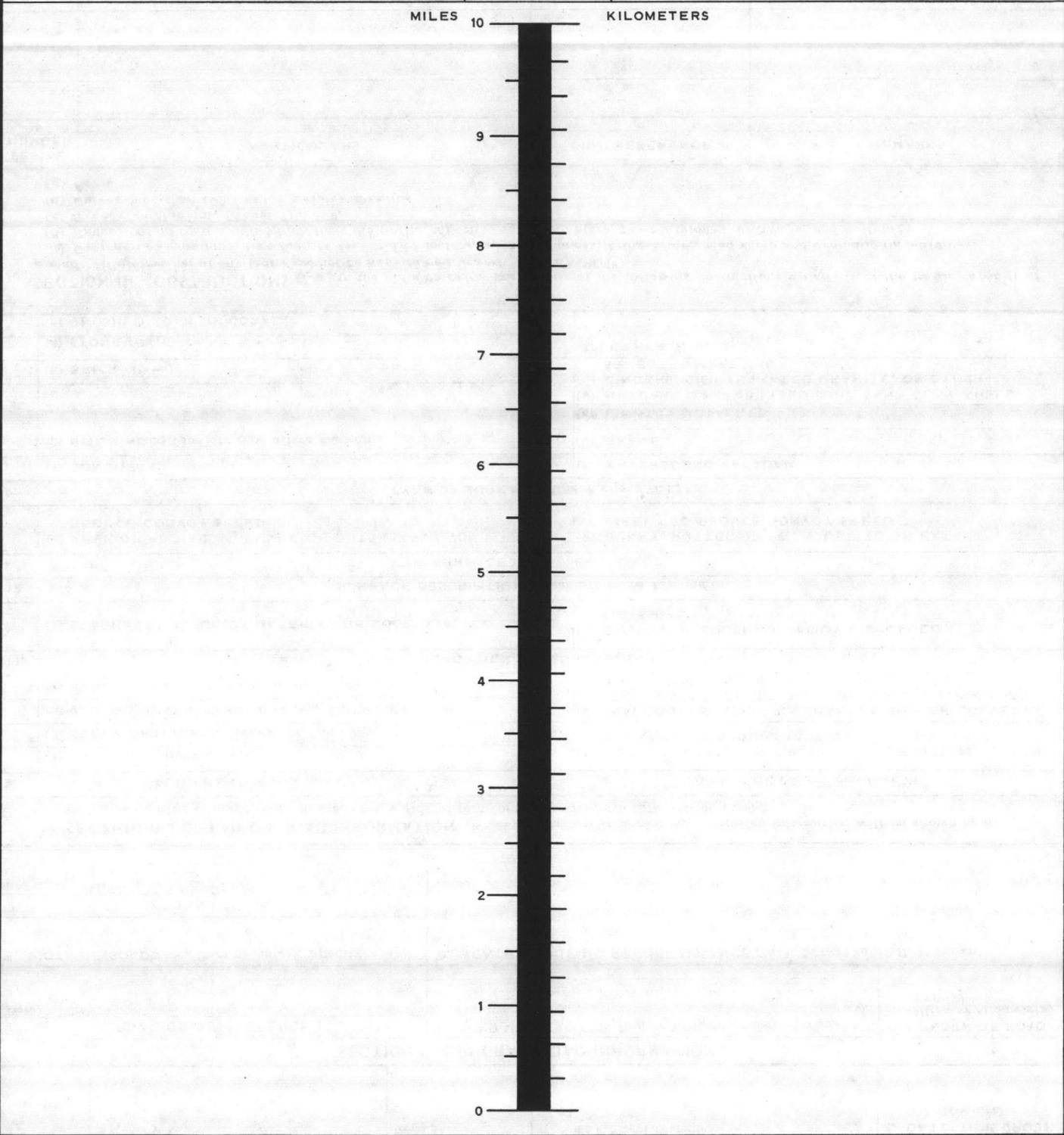




SECTION IV - MILEAGE CHART

ROUTE		SCALE	DATE
FROM	TO		

ROAD INFORMATION	DISTANCE	ROAD INFORMATION
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REMARKS

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# ROAD RECONNAISSANCE REPORT

(FM 5-36)

DATE

**TO:** (Headquarters ordering reconnaissance)

**FROM:** (Name, grade and unit of officer or NCO making reconnaissance)

1.	a. COUNTRY	b. SCALE	c. SHEET NUMBER OF MAPS	2. DATE/TIME GROUP (Of signature)
MAPS				

## SECTION I - GENERAL ROAD INFORMATION

3. ROAD GRID REFERENCE	4. ROAD MARKING (Civilian or Military number of road)	5. LENGTH OF ROAD (Miles or kilometers, specify)
FROM	TO	
6. WIDTH OF ROADWAY (Feet or meters, specify)		8. WEATHER DURING RECONNAISSANCE (Include last rainfall, if known)
7. RECONNAISSANCE		
DATE	TIME	

## SECTION II - DETAILED ROAD INFORMATION (When circumstances permit more detailed information will be shown in an overlay or on the mileage chart on the reverse side of this form. Standard symbols will be used.)

9. ALINEMENT (Check one ONLY)	10. DRAINAGE (Check one ONLY)
(1) FLAT GRADIENTS AND EASY CURVES	(1) ADEQUATE DITCHES, CROWN/CAMBER WITH ADEQUATE CULVERTS IN GOOD CONDITION
(2) STEEP GRADIENTS (Excess of 7 in 100)	(2) INADEQUATE DITCHES, CROWN/CAMBER OR CULVERTS, ITS CULVERTS OR DITCHES ARE BLOCKED OR OTHERWISE IN POOR CONDITION
(3) SHARP CURVES (Radius less than 100 ft (30m))	
(4) STEEP GRADIENTS AND SHARP CURVES	
11. FOUNDATION (Check one ONLY)	
(1) STABILIZED COMPACT MATERIAL OF GOOD QUALITY	(2) UNSTABLE, LOOSE OR EASILY DISPLACED MATERIAL
12. SURFACE DESCRIPTION (Complete items 12a and b)	
a. THE SURFACE IS (Check one ONLY)	
(1) FREE OF POTHOLES, BUMPS, OR RUTS LIKELY TO REDUCE CONVOY SPEED	(2) BUMPY, RUTTED OR POTHOLED TO AN EXTENT LIKELY TO REDUCE CONVOY SPEED
b. TYPE OF SURFACE (Check one ONLY)	
(1) CONCRETE	(6) WATERBOUND MACADAM
(2) BITUMINOUS (Specify type where known):	(7) GRAVEL
	(8) LIGHTLY METALLED
(3) BRICK (Pave)	(9) NATURAL OR STABILIZED SOIL, SAND CLAY, SHELL, CINDERS, DISINTEGRATED GRANITE, OR OTHER SELECTED MATERIAL
(4) STONE (Pave)	(10) OTHER (Describe):
(5) CRUSHED ROCK OR CORAL	

## SECTION III - OBSTRUCTIONS (List in the columns below particulars of the following obstructions which affect the traffic capacity of a road. If information of any factor cannot be ascertained, insert "NOT KNOWN")

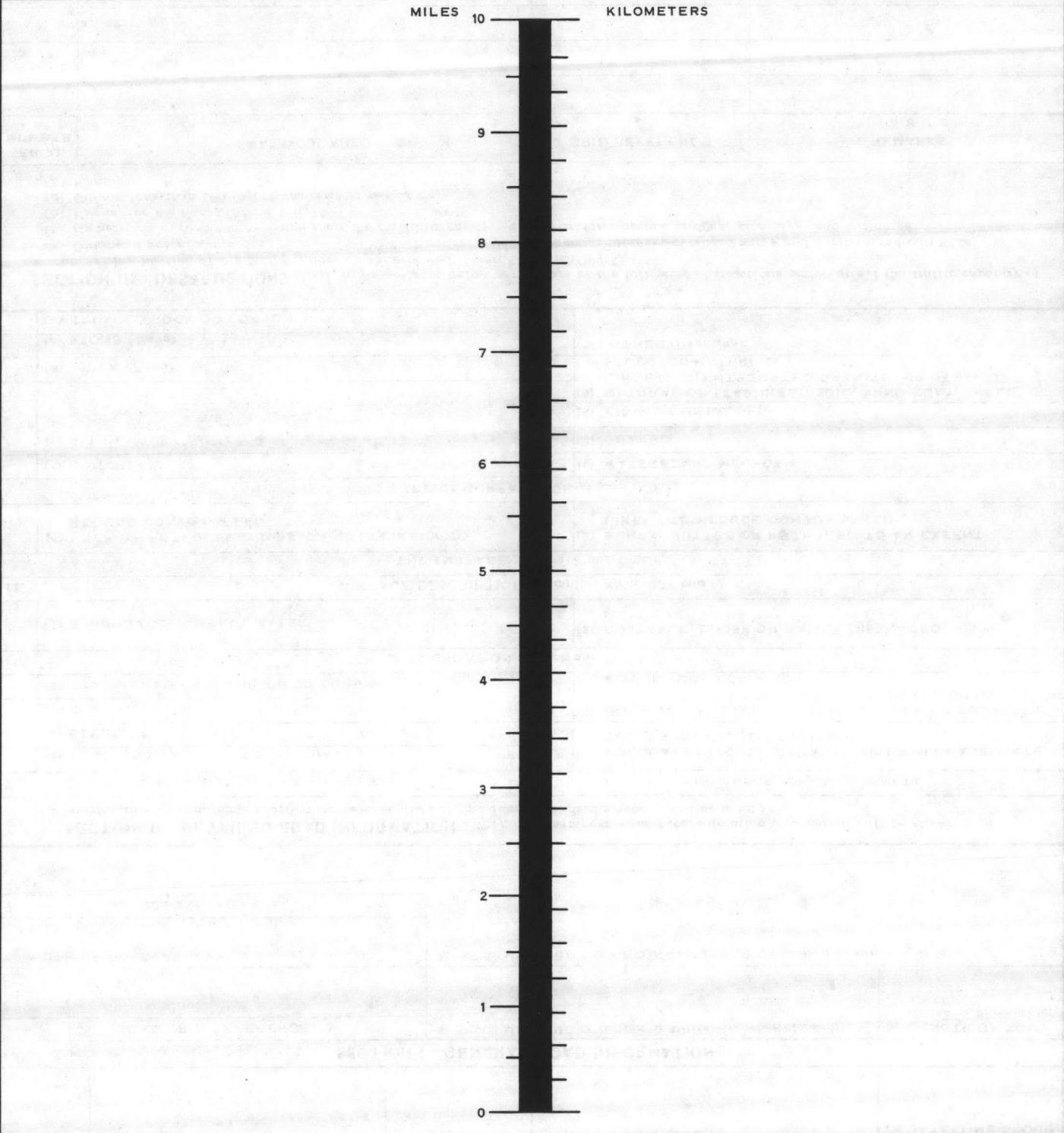
- (a) Overhead obstructions, less than 14 feet or 4.25 meters, such as tunnels, bridges, overhead wires and overhanging buildings.
- (b) Reductions in road widths which limit the traffic capacity, such as craters, narrow bridges, archways, and buildings.
- (c) Excessive gradients (Above 7 in 100)
- (d) Curves less than 100 feet (30 meters) in radius
- (e) Fords

SERIAL NUMBER <i>a</i>	PARTICULARS <i>b</i>	GRID REFERENCE <i>c</i>	REMARKS <i>d</i>

### SECTION IV - MILEAGE CHART

	ROUTE	SCALE	DATE
FROM	TO		

ROAD INFORMATION	DISTANCE	ROAD INFORMATION
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REMARKS

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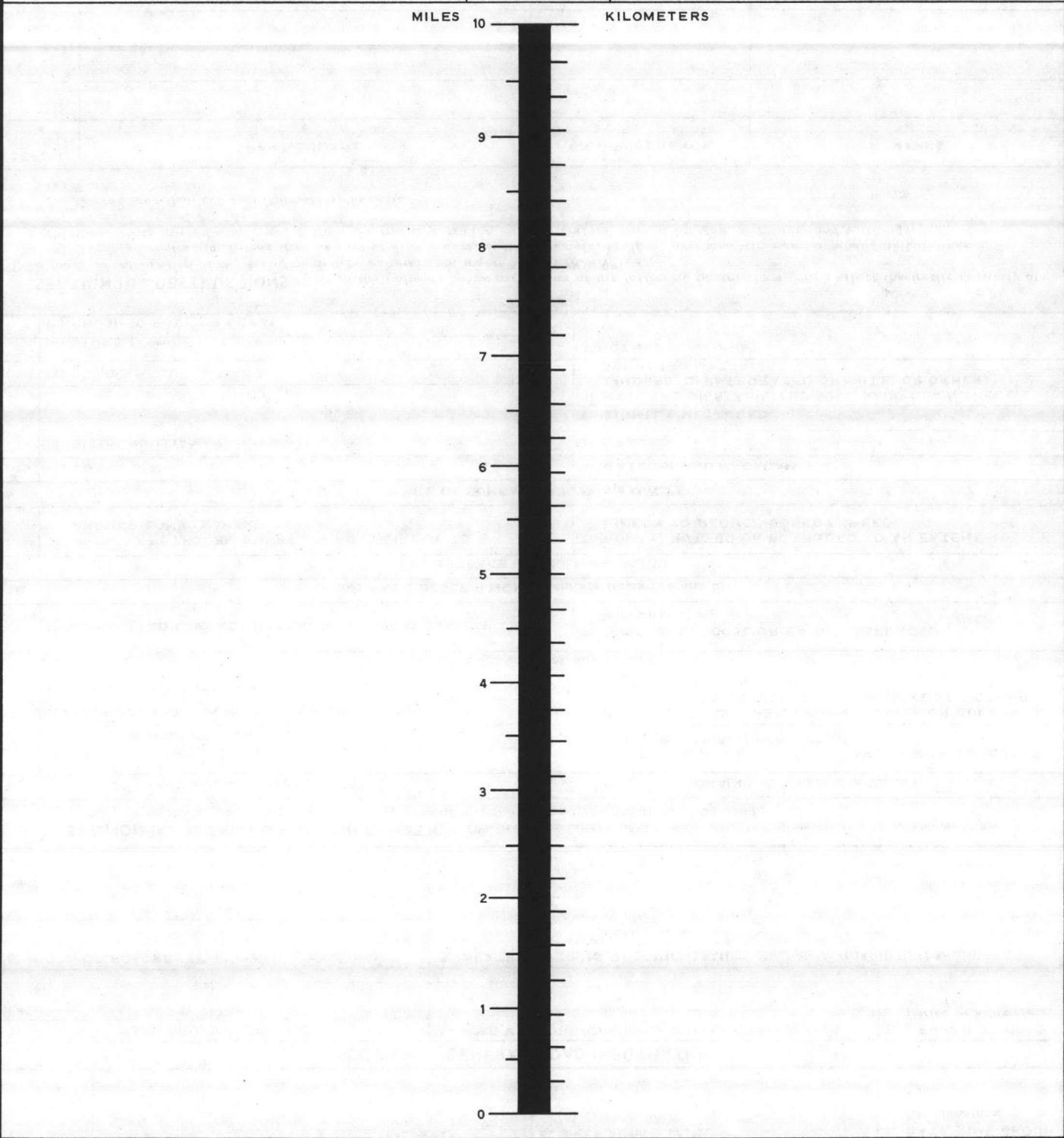
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### SECTION IV - MILEAGE CHART

ROUTE		SCALE	DATE
FROM	TO		

ROAD INFORMATION	DISTANCE	ROAD INFORMATION
------------------	----------	------------------



REMARKS

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Appendix 2 to Annex A

BEACH REPORT

Beach/Landing Place Name

Beach/Landing Place Number

Date

1. Country

2. Charts/Map Reference

3. Latitude and Longitude of Center

4. Military Grid Coordinates of Center

5. Distance and Direction from Prominent Landmark

6. Left flank - (compass direction from Center) describe briefly. Give Latitude and Longitude, Grid coordinates. (Refer to annotated photo, if available).

7. Center - describe briefly (Refer to annotated photo, if available).

8. Right flank - (compass direction from Center) describe briefly. Give Latitude and Longitude, Grid coordinates. (Refer to annotated photo, if available).

9. Total length

10. Usable length

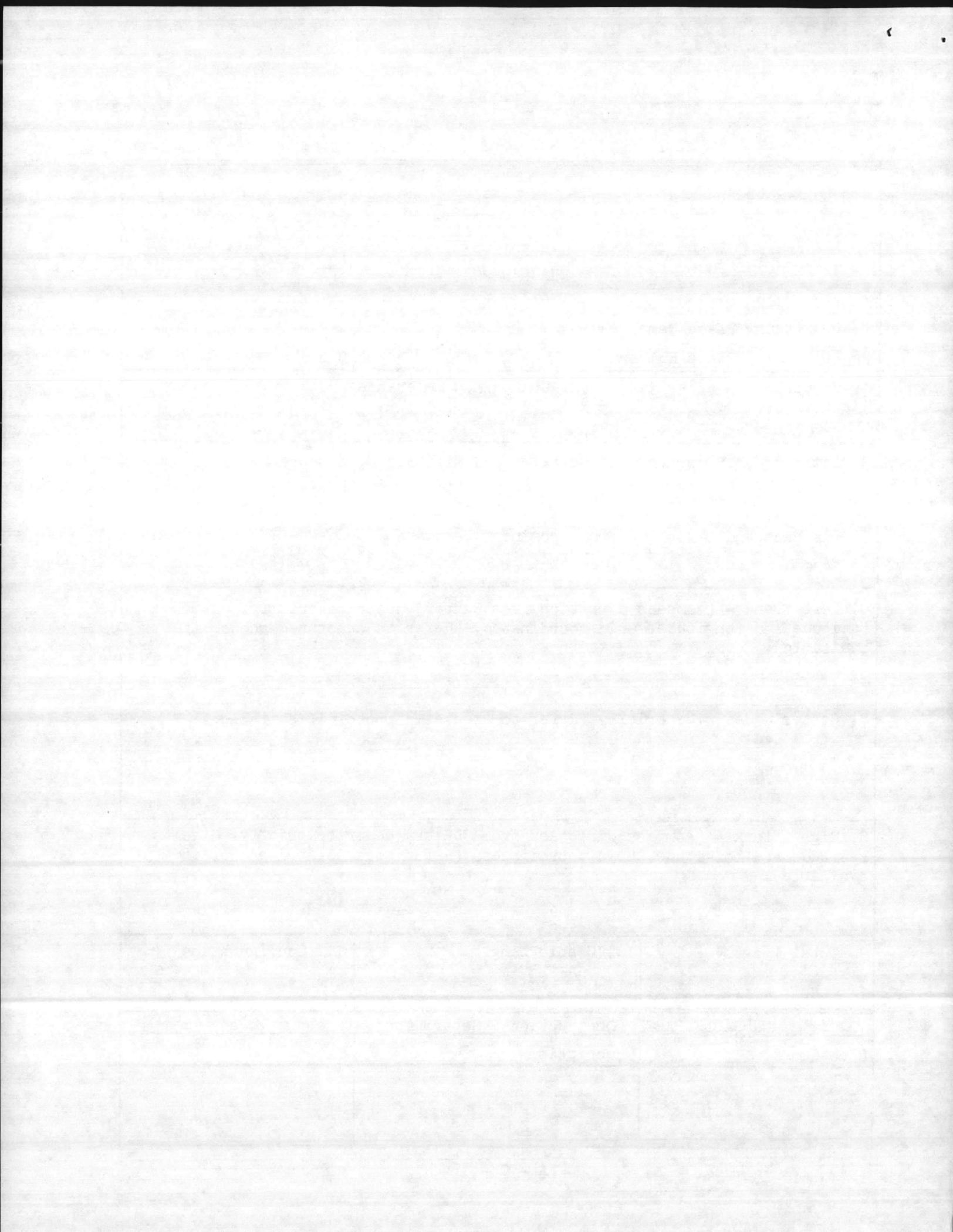
11. Configuration

12. UNUSABLE PARTS (Obstructions, Separations, Interruptions)

Location

Description

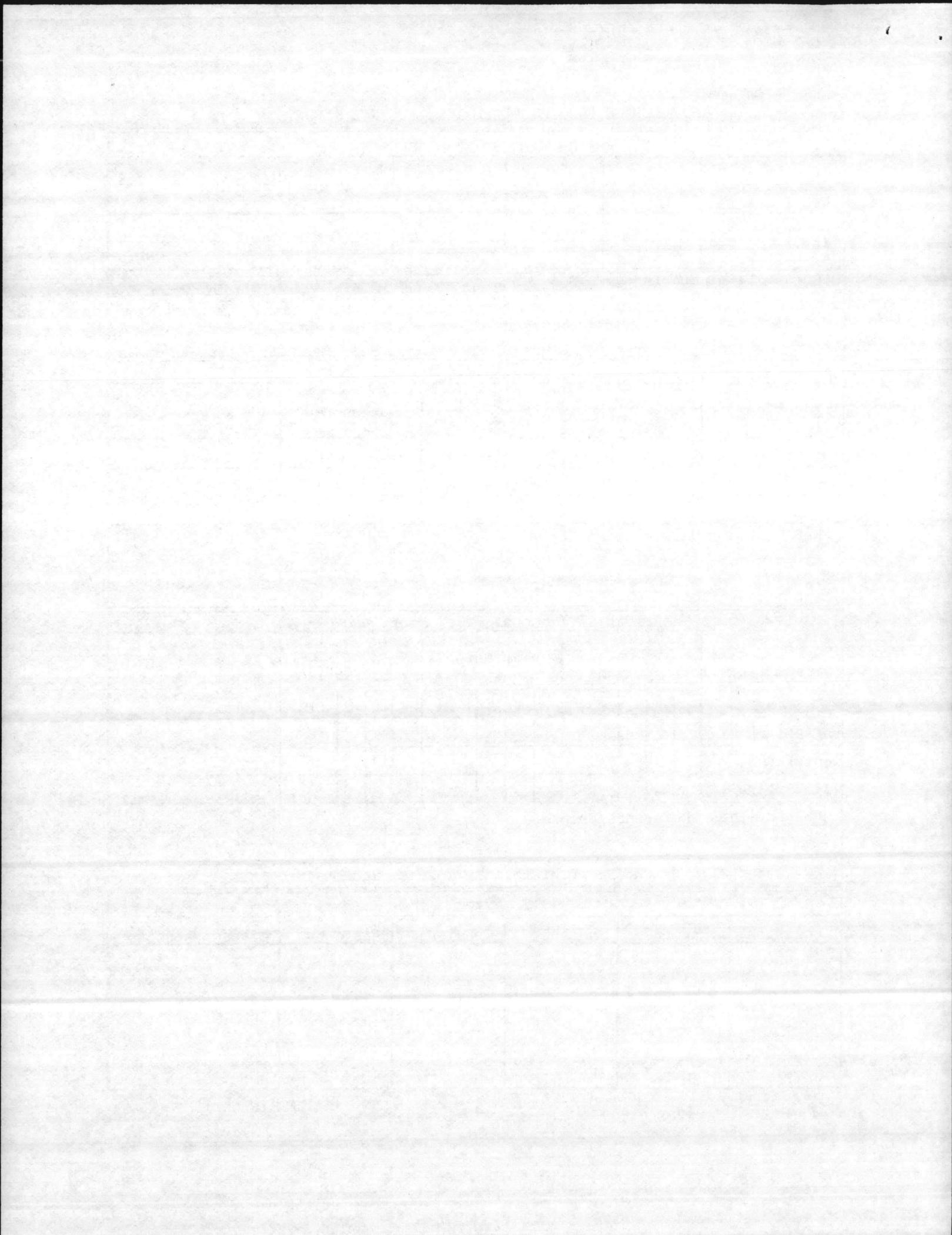
Extent



CLASSIFICATION

BEACH OR LANDING PLACE INTELLIGENCE REPORT

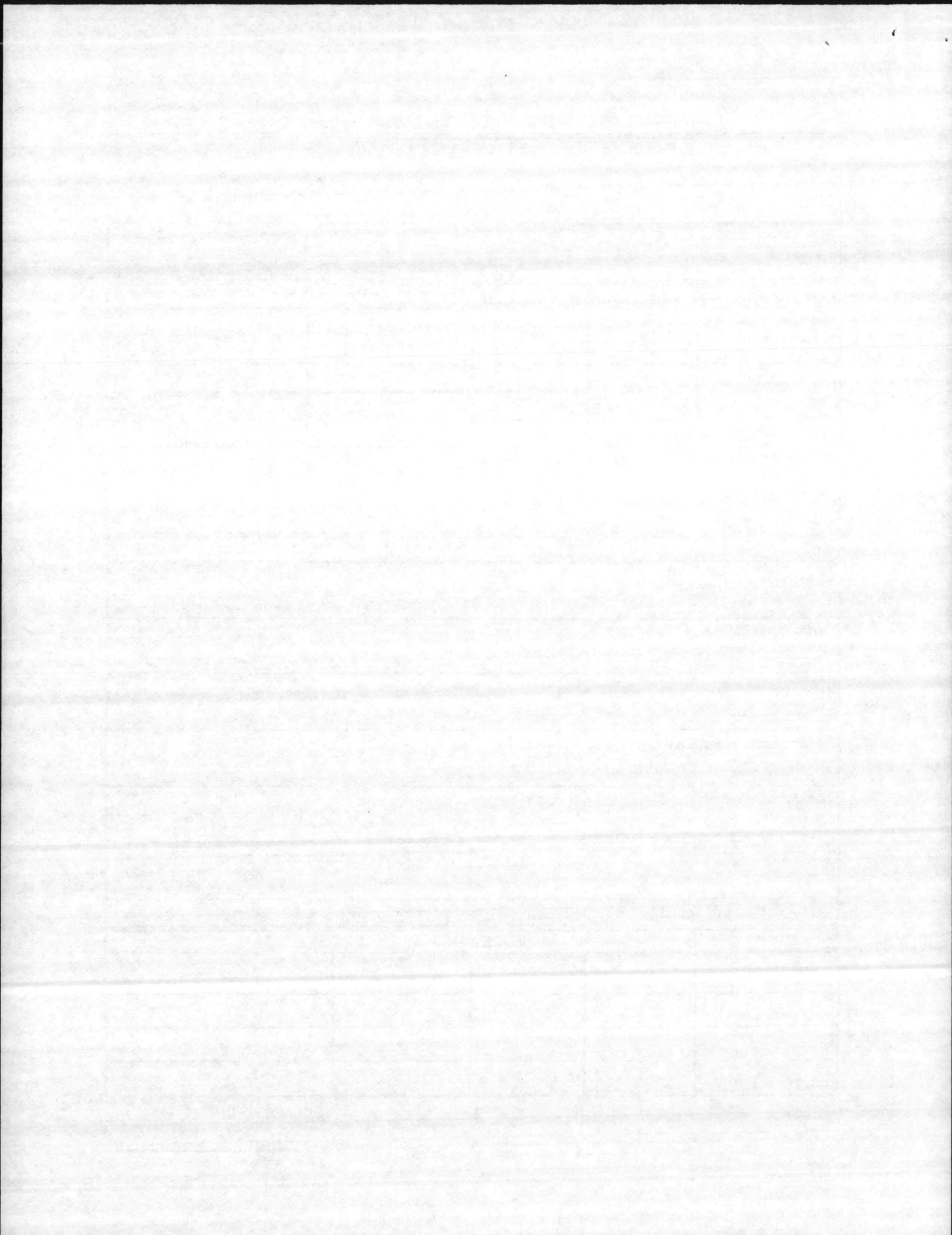
13. BEACH WIDTHS AND GRADIENTS													
Location	L. W.	H. W.	Gradient	Remarks									
Left flank													
Center													
Right flank													
Other Critical Reference Points													
14. MATERIALS													
Location	Lower Foreshore	High Water Zone	Backshore	Remarks									
Left flank													
Center													
Right flank													
Other Critical Reference Points													
15. TRAFFICABILITY (Good, Fair, Poor, and CHR #)													
Location	Lower Foreshore				High Water Zone				Backshore				Remarks
	P	W	T	CHR	P	W	T	CHR	P	W	T	CHR	
Left flank													
Center													
Right flank													
Other Critical Reference Points													
(P= Personnel, W= Wheeled Vehicle, T= Tracked Vehicle)													
16. EXITS													
Location	Nature	Height	Gradient	Usable by	Gives access to								



CLASSIFICATION

BEACH OR LANDING PLACE INTELLIGENCE REPORT

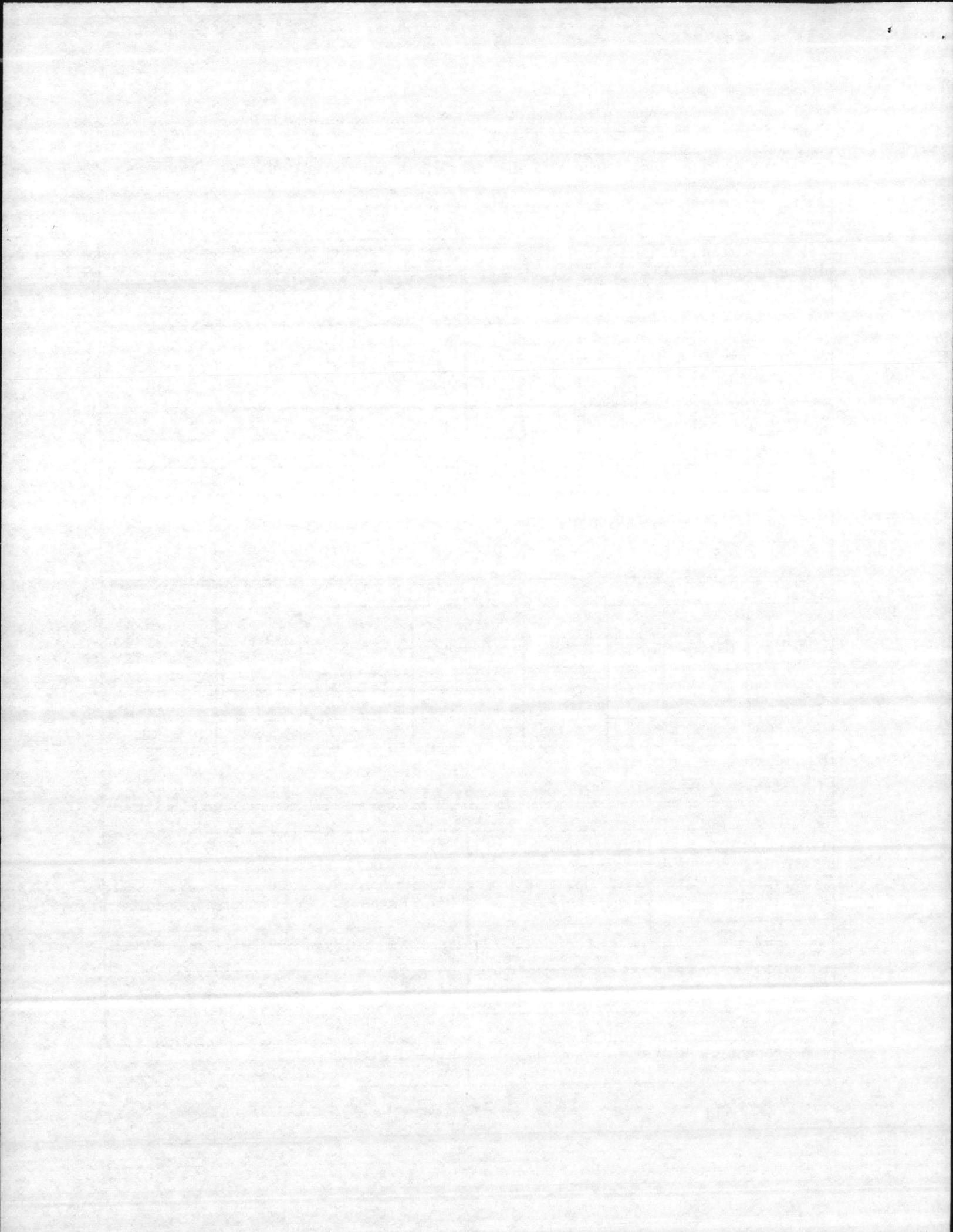
17. Proximity of Beach to developed areas				
18. Local use of Beach				
19. DISTANCES TO NEAREST COVER OR CONCEALMENT				
Location	LWL	HWL	Type of Concealment	Remarks
Left flank				
Center				
Right flank				
Other Critical Reference Points				
20. TERRAIN BEHIND BEACH				
Landform Type				
Type Coastline				
Bluffs, Cliffs				
Other Irregularities				
Man Made Terrain, (seawalls, road berms, dikes, etc)				
Soil Type (Primary)			Soil Type (Secondary)	
Offroad Trafficability (good, fair, poor, very poor)				
21. VEGETATION				
Location	Type	Density	Inhibit Movement	Remarks
Left flank				
Center				
Right flank				



CLASSIFICATION

BEACH OR LANDING PLACE INTELLIGENCE REPORT

22. APPROACHES							
Offshore Obstructions (describe and locate, if uncharted)							
Nearshore Obstructions (including icing, if applicable)					Degree of Obstruction (slight, moderate, total)		
Nearshore	Distance from HWL to Depths referred				Bottom Gradient	Bottom Material	Remarks
	2m	4m	6m	10m			
Left flank							
Center							
Right flank							
Other Critical Reference Points							
23. SURF CONDITIONS							
Date/Time	Height	Type	Width of Surf Zone	Number of lines of breakers	Crest to Crest length Period	Dir. of Approach	Incident Angle
					/		
Exceptions							
24. TIDES							
Type		Highest H. W.		Lowest L. W.		Datum	
Max. Range		Avg. Range		Min. Range		Equipment Used	
25. CURRENTS							
Direction				Velocity			
Water Temp. (Winter Avg.)				Water Temp. (Summer Avg.)			
Ice present in Winter				Rips Observed			



CLASSIFICATION

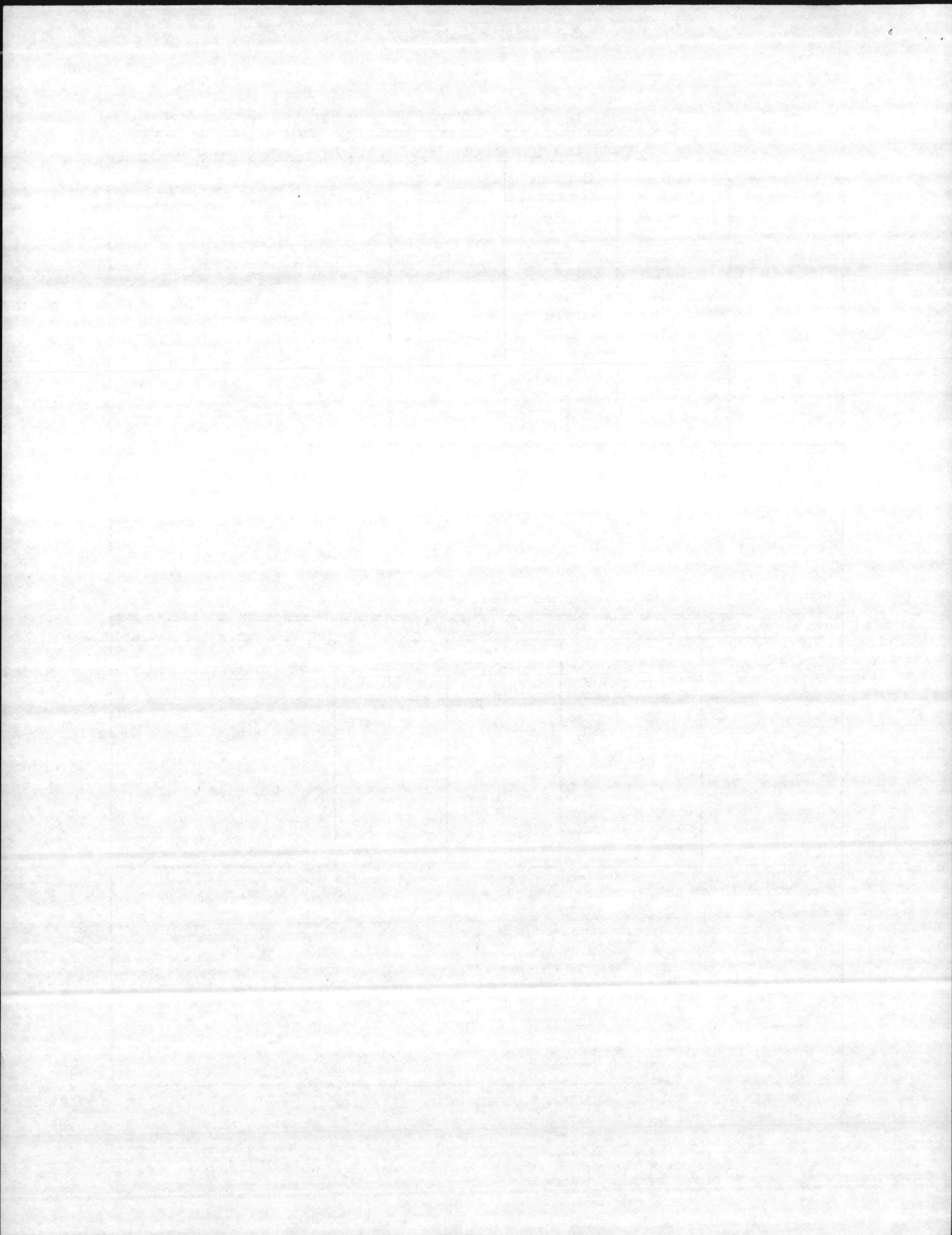
BEACH OR LANDING PLACE INTELLIGENCE REPORT

26. ROADS AND ROUTES OF COMMUNICATION					
UTM Reference	Route Number	Surface Material	Width of Traveled Way	Condition	Remarks
Orientation Sketch					

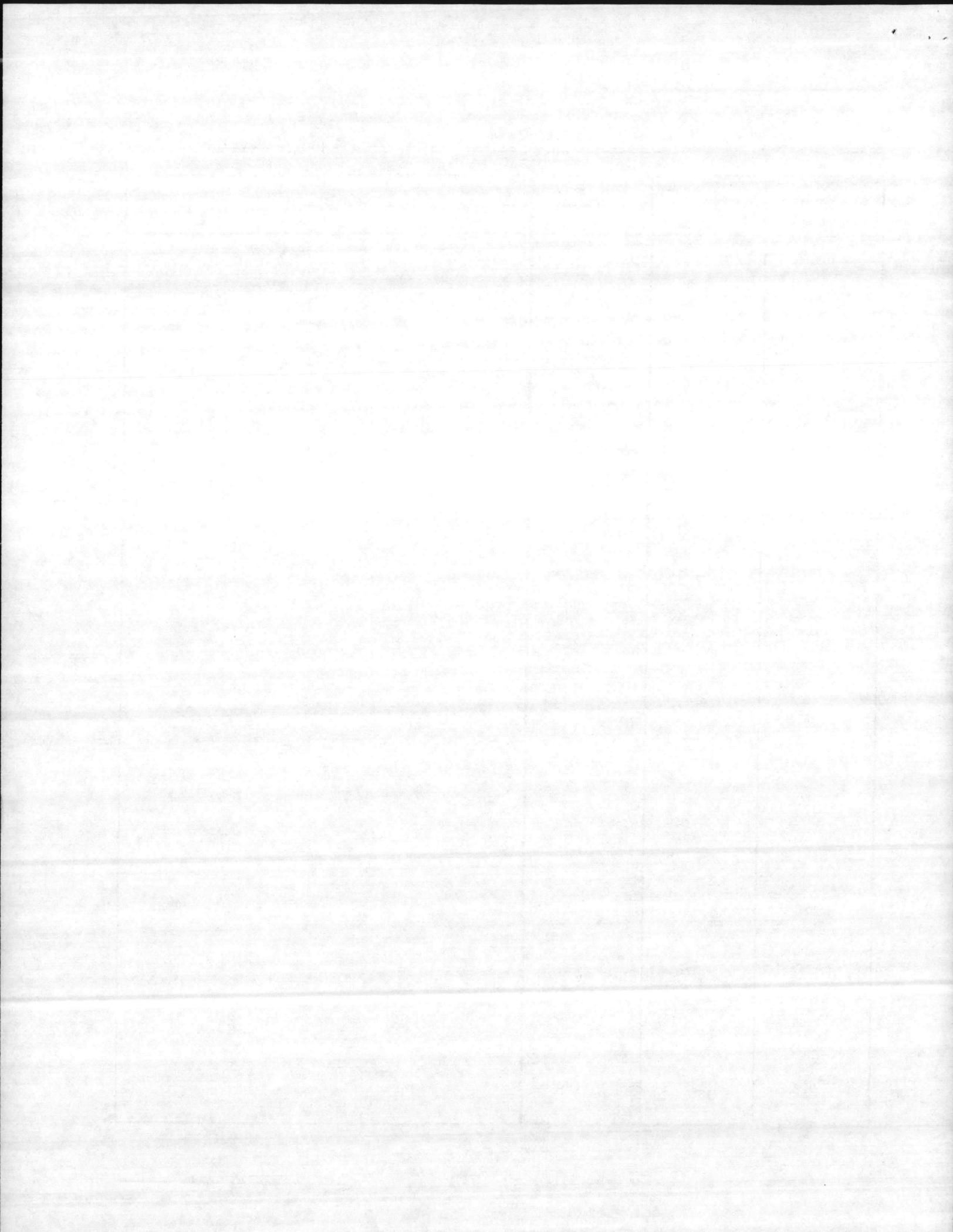
27. CRITICAL TERRAIN				
Location (UTM)	Visible Indications	Photo-graphic Reference	Reason Critical	Description
Orientation Sketch				

CLASSIFICATION



BEACH REPORT

28. PHOTOGRAPHIC LOG			
Photo-graphic Designation	Type	Location	Description



CLASSIFICATION

BEACH OR LANDING PLACE INTELLIGENCE REPORT

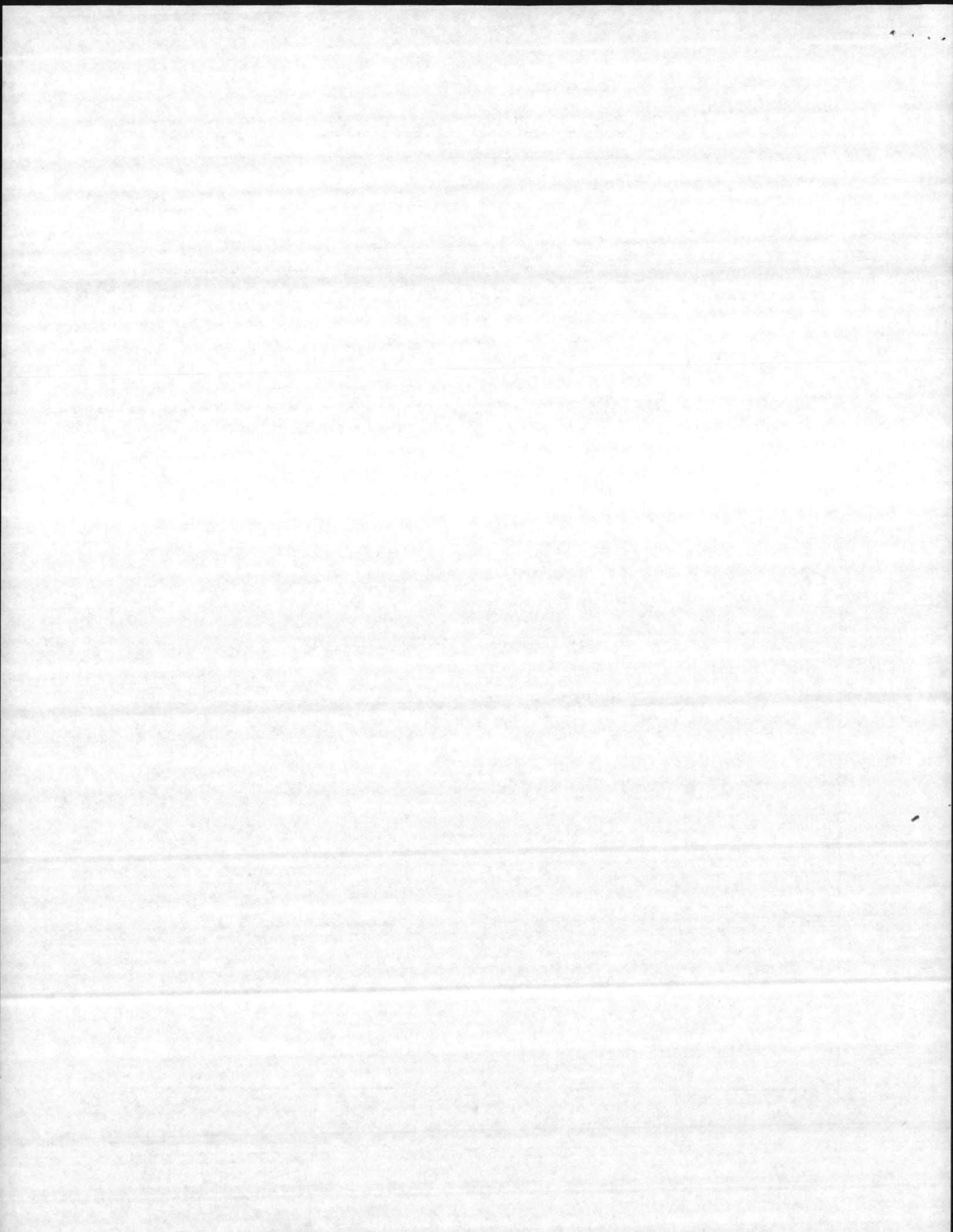
29.

BEACH SKETCH

Show Principal Features and Photo Locations

A - 2 - 7

CLASSIFICATION



Appendix 2 to Annex A

BEACH REPORT

Beach/Landing Place Name

Beach/Landing Place Number

Date

1. Country

2. Charts/Map Reference

3. Latitude and Longitude of Center

4. Military Grid Coordinates of Center

5. Distance and Direction from Prominent Landmark

6. Left flank - (compass direction from Center) describe briefly. Give Latitude and Longitude, Grid coordinates. (Refer to annotated photo, if available).

7. Center - describe briefly (Refer to annotated photo, if available).

8. Right flank - (compass direction from Center) describe briefly. Give Latitude and Longitude, Grid coordinates. (Refer to annotated photo, if available).

9. Total length

10. Usable length

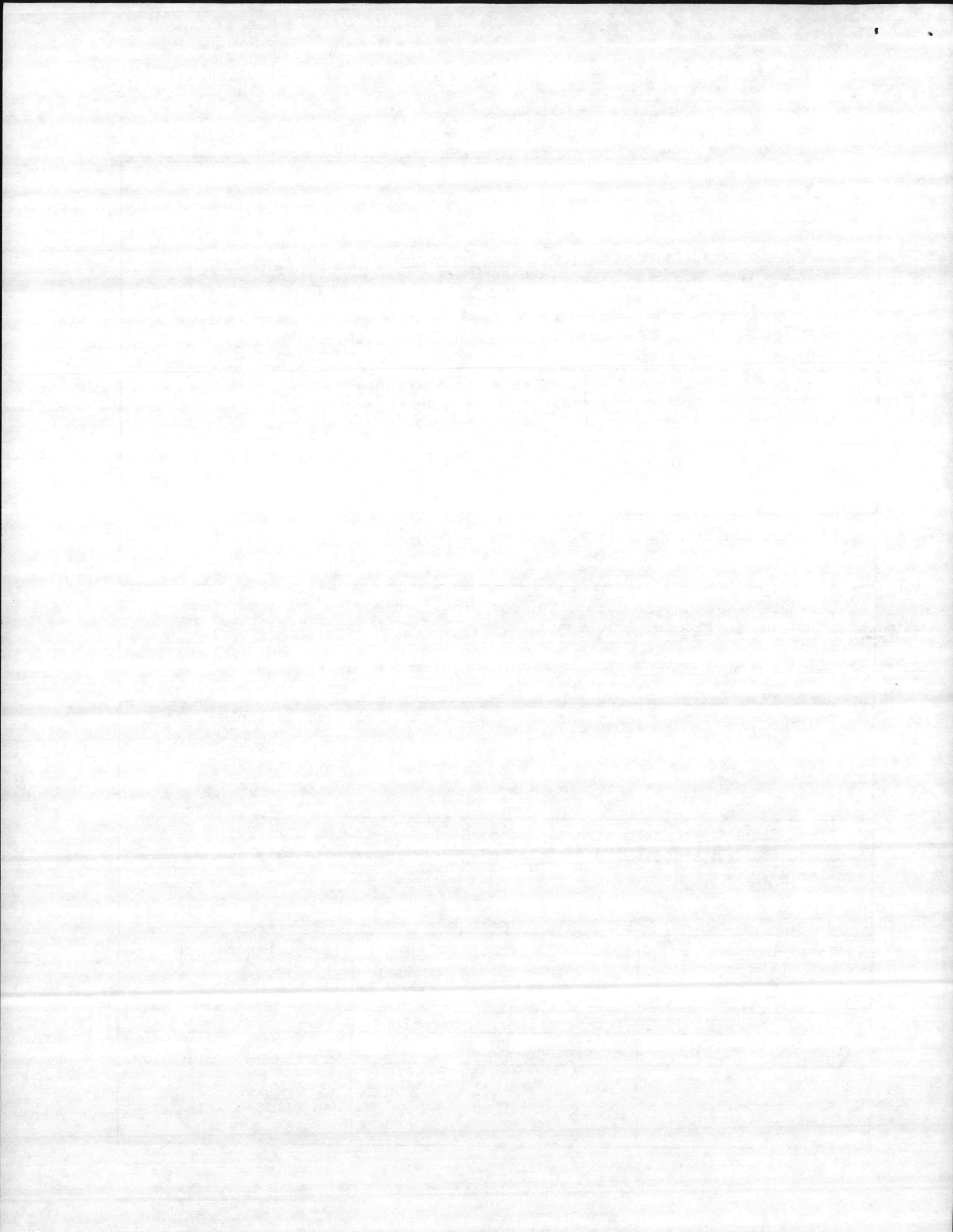
11. Configuration

12. UNUSABLE PARTS (Obstructions, Separations, Interruptions)

Location

Description

Extent



CLASSIFICATION

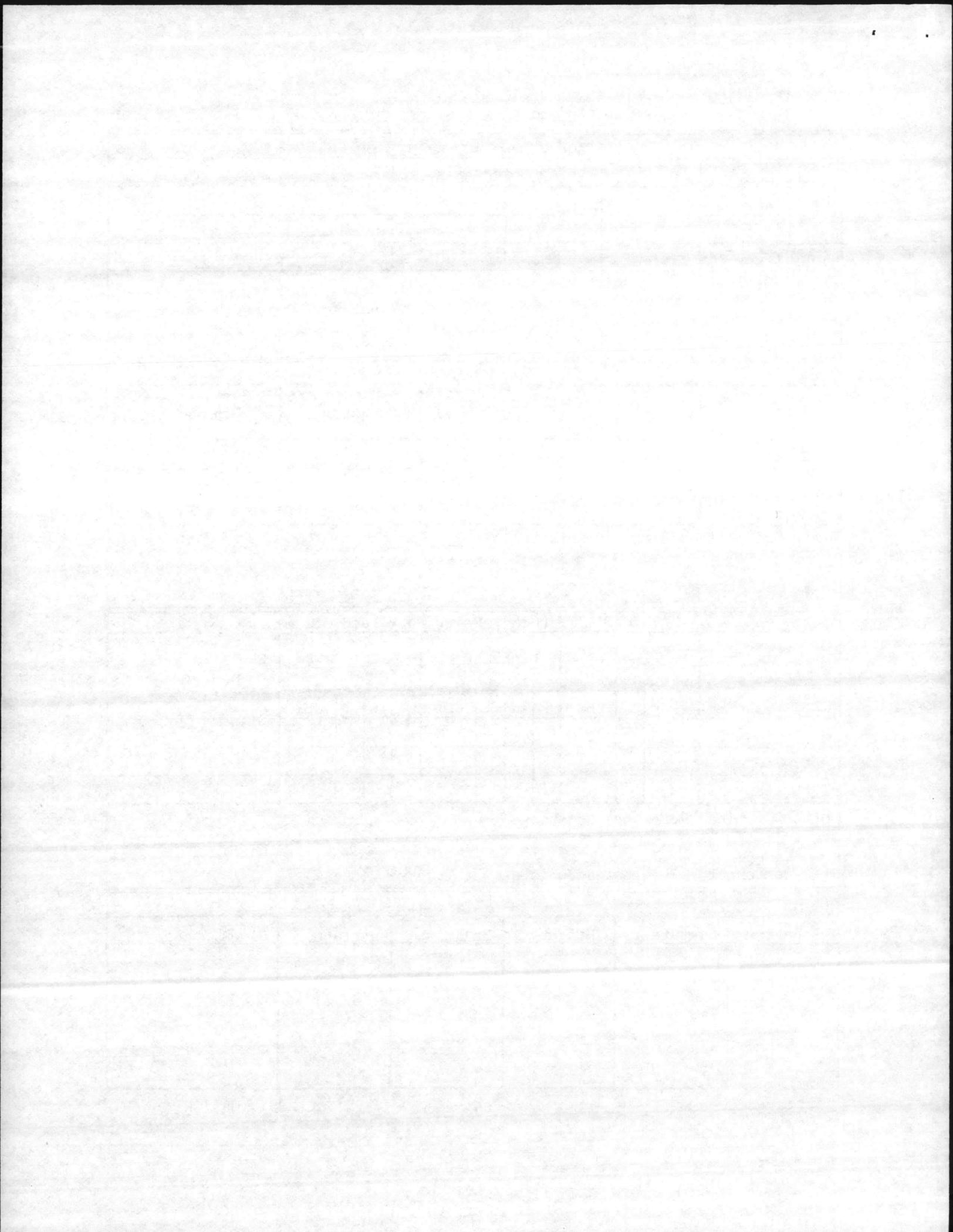
BEACH OR LANDING PLACE INTELLIGENCE REPORT

13. BEACH WIDTHS AND GRADIENTS				
Location	L. W.	H. W.	Gradient	Remarks
Left flank				
Center				
Right flank				
Other Critical Reference Points				

14. MATERIALS				
Location	Lower Foreshore	High Water Zone	Backshore	Remarks
Left flank				
Center				
Right flank				
Other Critical Reference Points				

15. TRAFFICABILITY (Good, Fair, Poor, and CHR #)													
Location	Lower Foreshore				High Water Zone				Backshore				Remarks
	P	W	T	CHR	P	W	T	CHR	P	W	T	CHR	
Left flank													
Center													
Right flank													
Other Critical Reference Points													
(P= Personnel, W= Wheeled Vehicle, T= Tracked Vehicle)													

16. EXITS					
Location	Nature	Height	Gradient	Usable by	Gives access to



CLASSIFICATION

BEACH OR LANDING PLACE INTELLIGENCE REPORT

17. Proximity of Beach to developed areas

18. Local use of Beach

19. DISTANCES TO NEAREST COVER OR CONCEALMENT

Location	LWL	HWL	Type of Concealment	Remarks
Left flank				
Center				
Right flank				

Other Critical Reference Points

20. TERRAIN BEHIND BEACH

Landform Type

Type Coastline

Bluffs, Cliffs

Other Irregularities

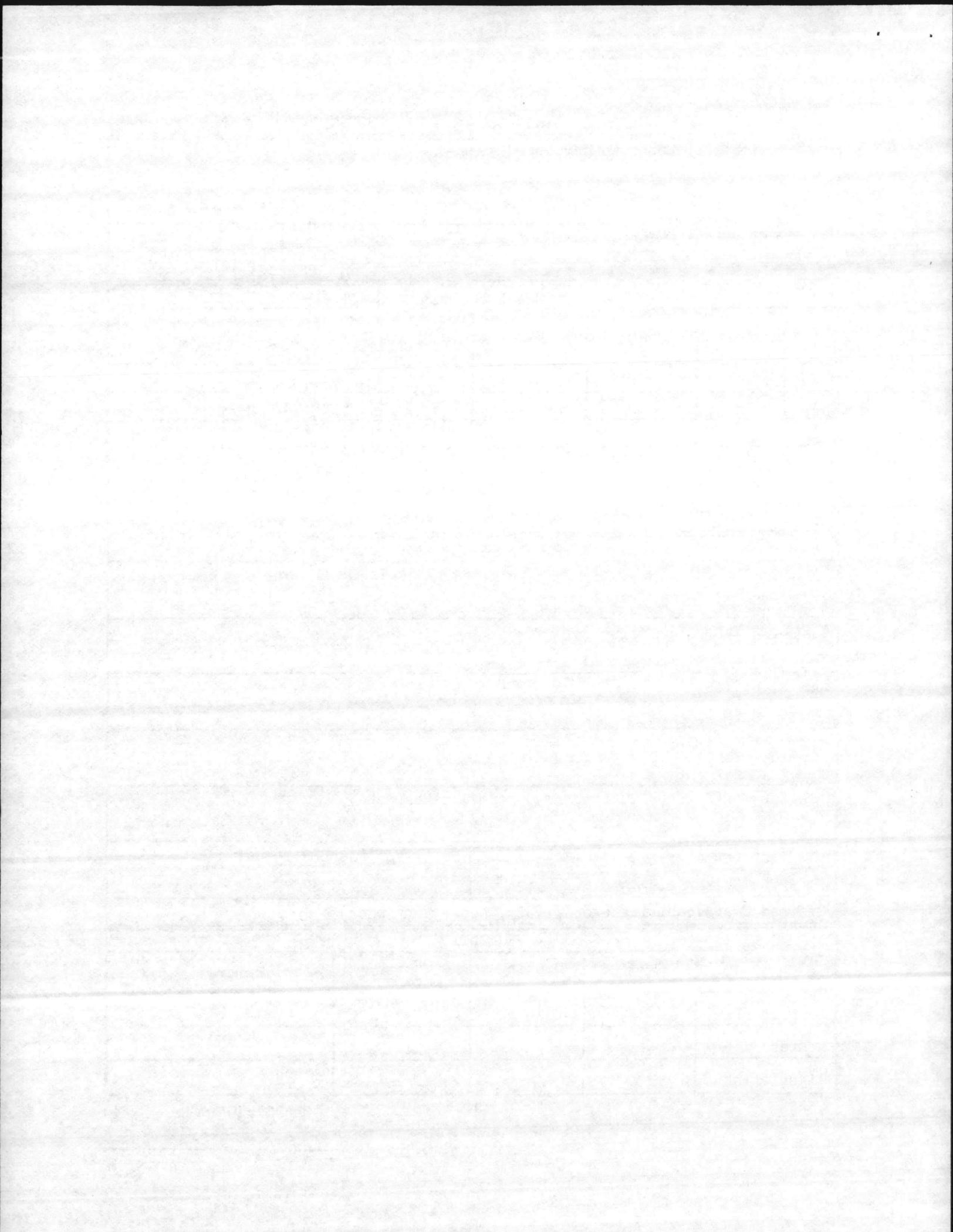
Man Made Terrain, (seawalls, road berms, dikes, etc)

Soil Type (Primary)	Soil Type (Secondary)
---------------------	-----------------------

Offroad Trafficability (good, fair, poor, very poor)

21. VEGETATION

Location	Type	Density	Inhibit Movement	Remarks
Left flank				
Center				
Right flank				



CLASSIFICATION

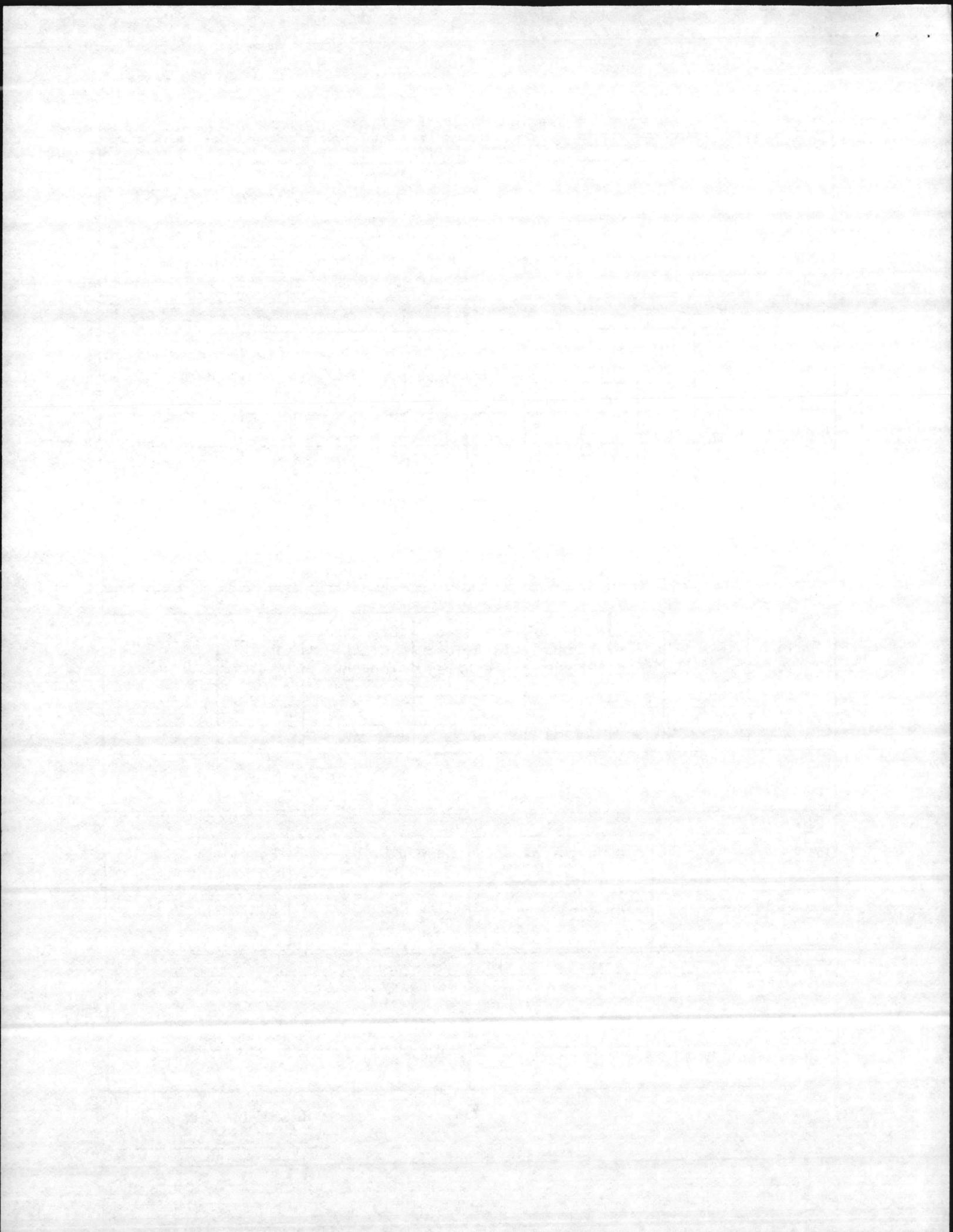
BEACH OR LANDING PLACE INTELLIGENCE REPORT

22. APPROACHES							
Offshore Obstructions (describe and locate, if uncharted)							
Nearshore Obstructions (including icing, if applicable)					Degree of Obstruction (slight, moderate, total)		
Nearshore	Distance from HWL to Depths referred				Bottom Gradient	Bottom Material	Remarks
	2m	4m	6m	10m			
Left flank							
Center							
Right flank							
Other Critical Reference Points							

23. SURF CONDITIONS							
Date/Time	Height	Type	Width of Surf Zone	Number of lines of breakers	Crest to Crest length Period	Dir. of Approach	Incident Angle
					/		
					/		
Exceptions							

24. TIDES			
Type	Highest H. W.	Lowest L. W.	Datum
Max. Range	Avg. Range	Min. Range	Equipment Used

25. CURRENTS	
Direction	Velocity
Water Temp. (Winter Avg.)	Water Temp. (Summer Avg.)
Ice present in Winter	Rips Observed

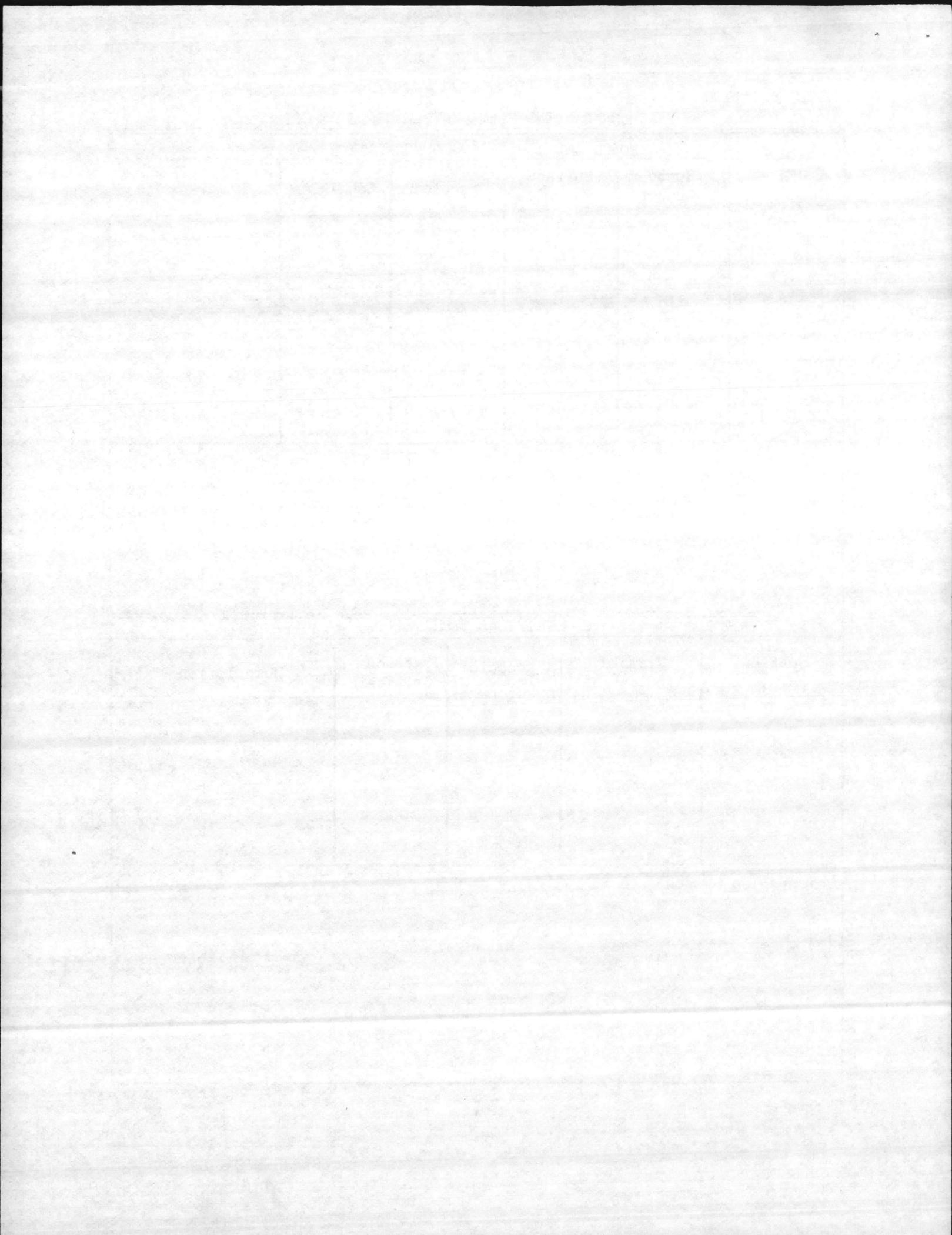


CLASSIFICATION

BEACH OR LANDING PLACE INTELLIGENCE REPORT

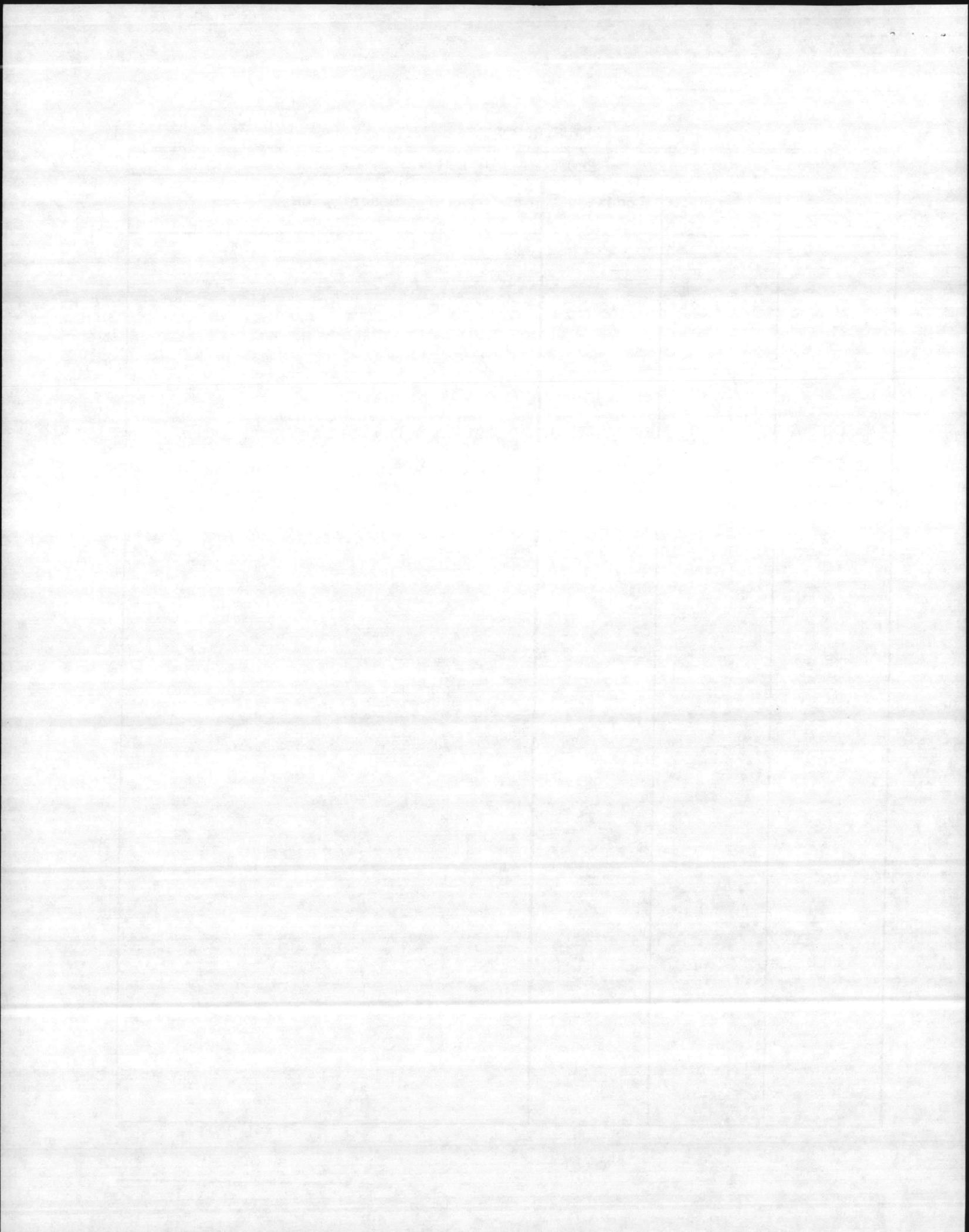
26. ROADS AND ROUTES OF COMMUNICATION					
UTM Reference	Route Number	Surface Material	Width of Traveled Way	Condition	Remarks
Orientation Sketch					
27. CRITICAL TERRAIN					
Location (UTM)	Visible Indications	Photo-graphic Reference	Reason Critical	Description	
Orientation Sketch					

CLASSIFICATION



BEACH REPORT

28.		PHOTOGRAPHIC LOG	
Photo-graphic Designation	Type	Location	Description



CLASSIFICATION

BEACH OR LANDING PLACE INTELLIGENCE REPORT

29.

BEACH SKETCH

Show Principal Features and Photo Locations

A - 2 - 7

CLASSIFICATION



## ANNEX AA

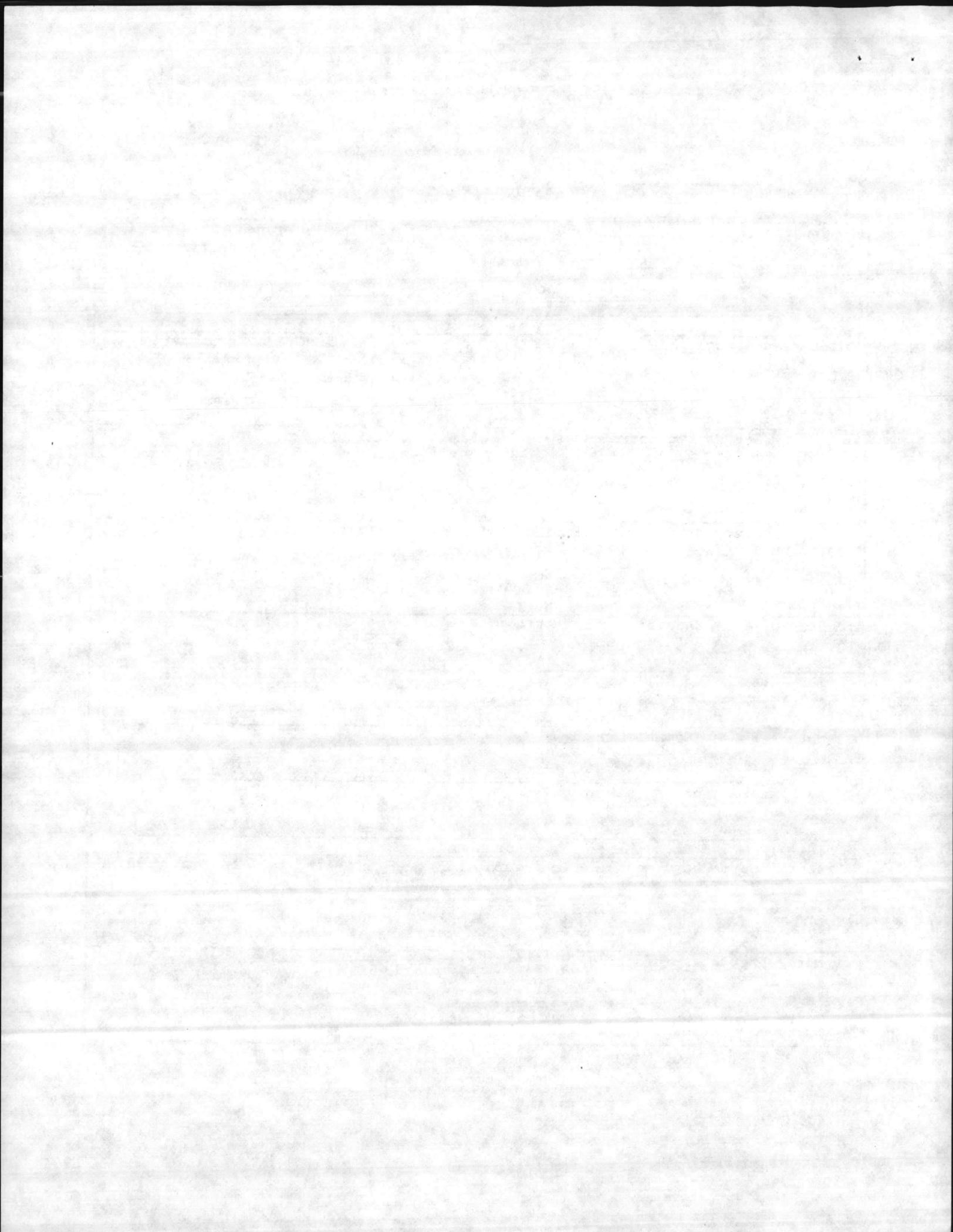
Coast Name: \_\_\_\_\_

Coast Number: \_\_\_\_\_

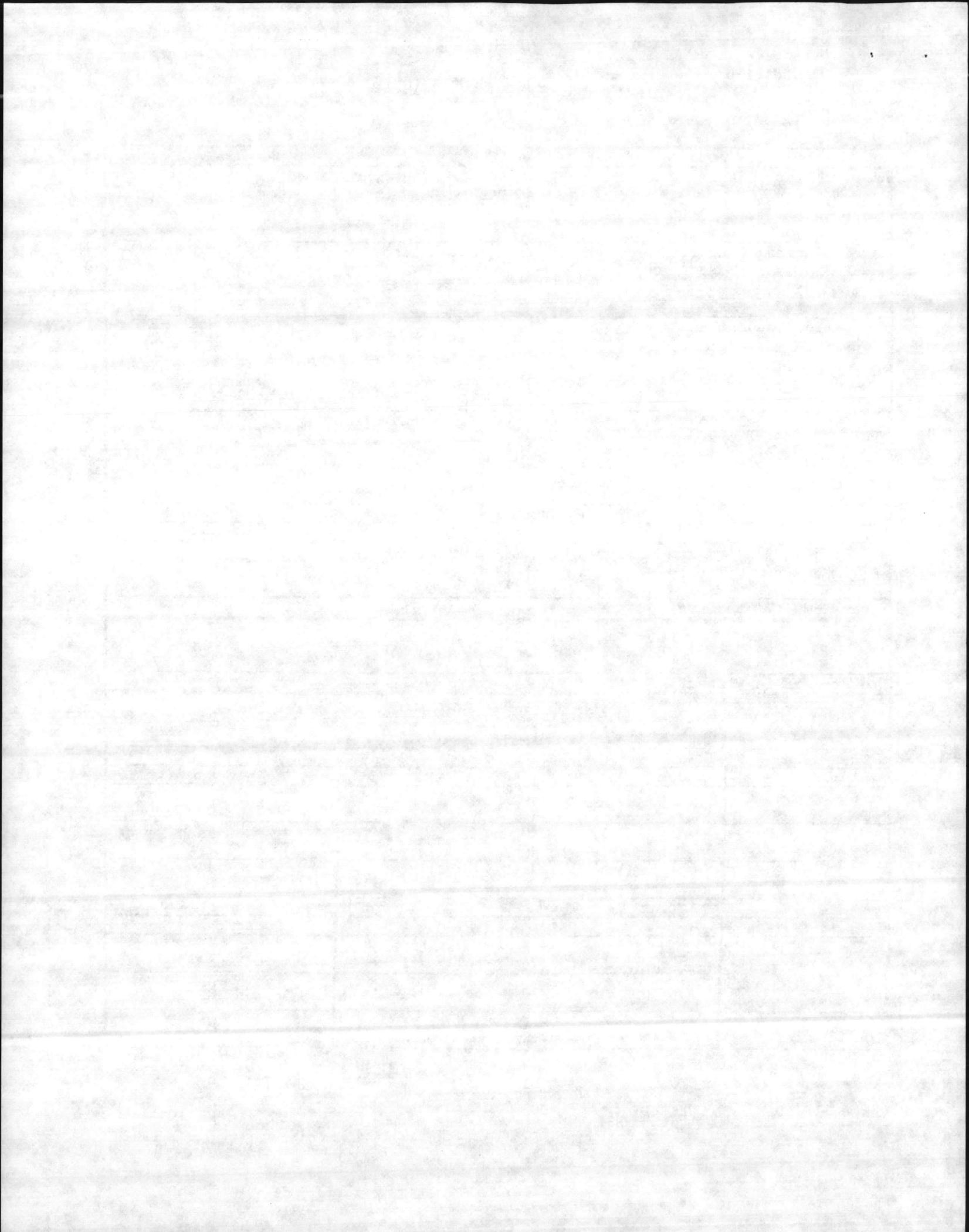
## COAST REPORT

Date: \_\_\_\_\_

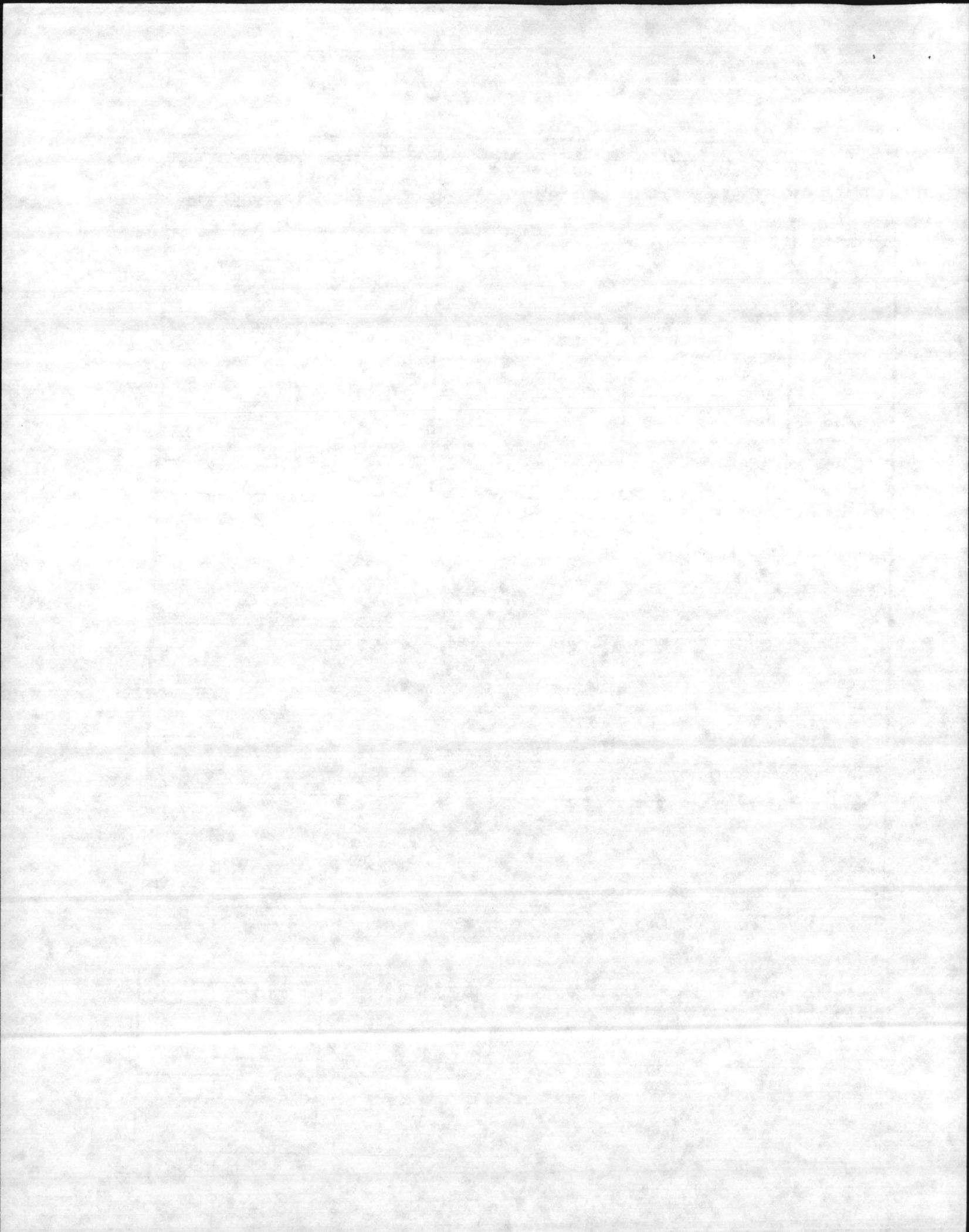
1. Country Code	2. Charts/Maps Reference a. Series _____ b. Edition _____ c. Sheet _____ d. Date _____
3. Boundries of Reported Area	
Center Beach Geographic Coordinates	Center Beach Military Grid Coordinates
Left Flank Geographic Coordinates	Left Flank Military Grid Coordinates
Right Flank Geographic Coordinates	Right Flank Military Grid Coordinates
4. Name of Unit Reporting Information	
5. Total Beach (Coast) Length	
6. Usable Beach (Coast) Length	
7. Average Nearshore Gradient	
8. Approaches	
Nearshore Approaches (describe in general terms -- shoreline to 5 fathom curve)	
Offshore Approaches (describe in general terms)	



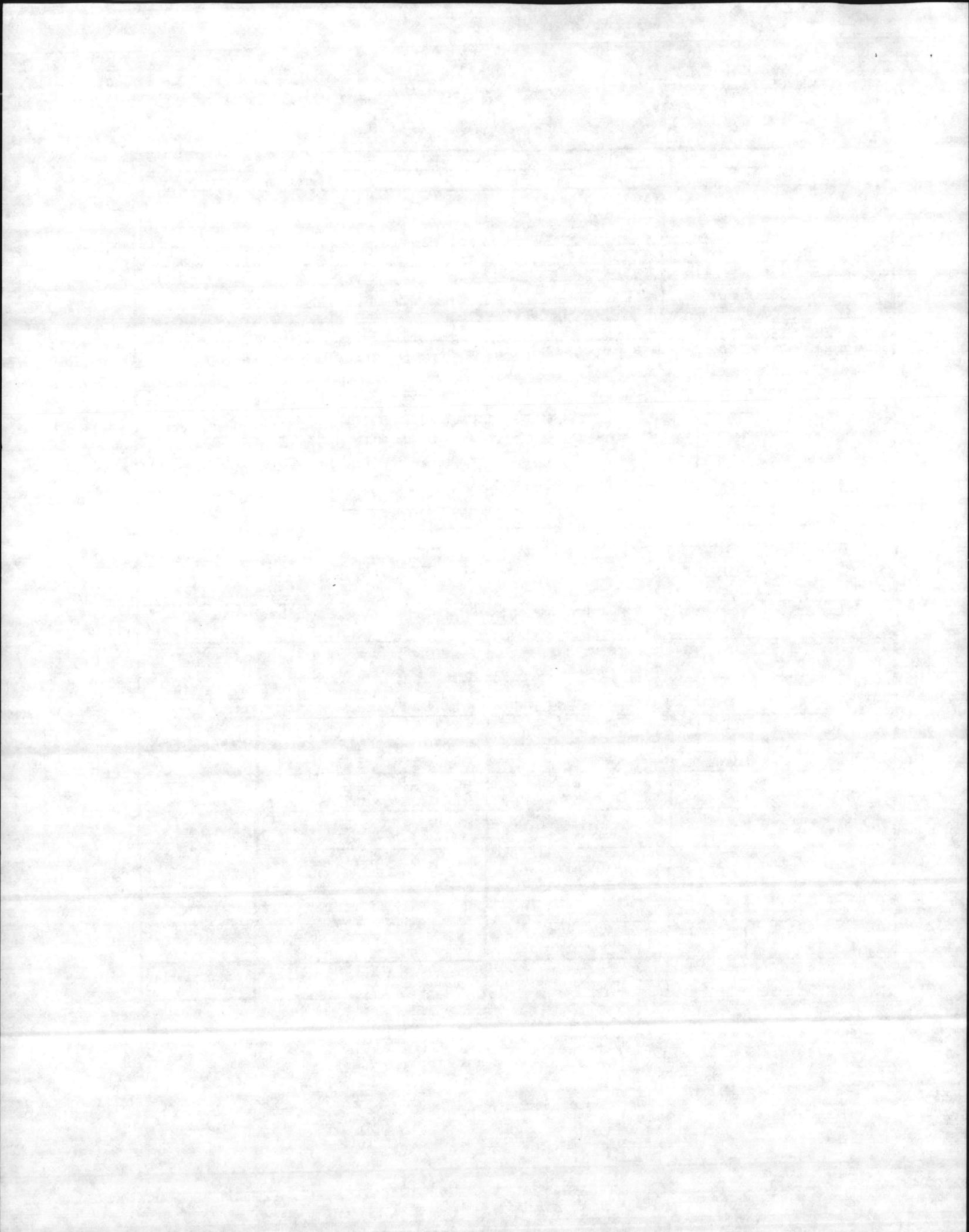
Approaches (Con't)			
Approx. Dist., Shore to 3 Fathom Curve		Approx. Dist., shore to 5 Fathom Curve	
Meteorological Conditions -- describe in general terms			
Navigation Landmarks			
Dangers (Obstacles)		Offshore Islands	
9. Currents			
Direction		Velocity	
Water Temp (Winter Avg)		Water Temp (Summer Avg)	
Ice Present in Winter?		Rips Observed	
10. Tides			
Type	Datum	Max Range	Min Range
Tides (Con't)			
Average	Equip Used		Location



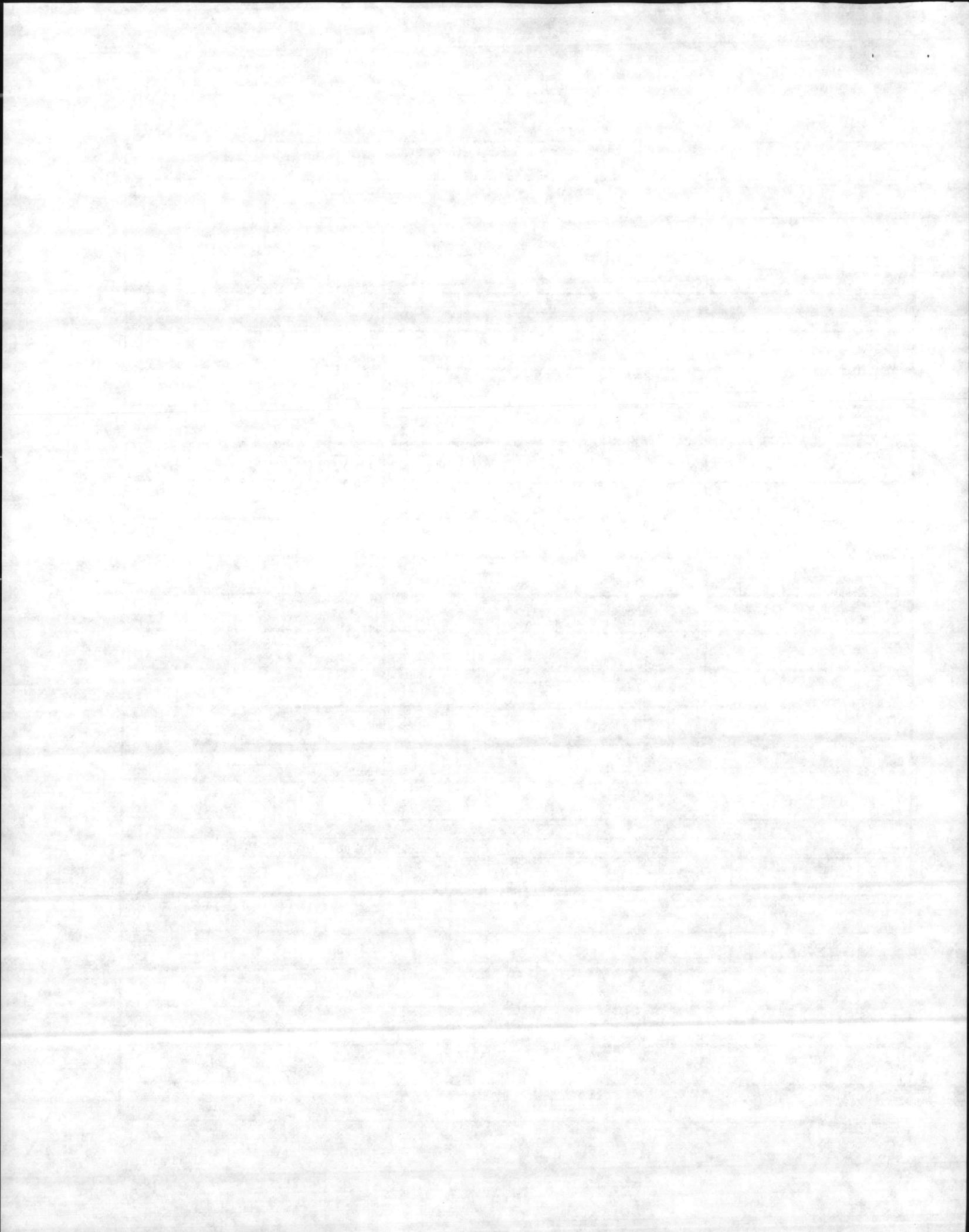
11. Critical Terrain				
Location (UTM)	Visible Indications	Photographic Reference	Reason Critical	Distance from Beach to Terrain Feature
Orientation Sketch				
12. Cross-Country Movement (good, fair, poor, why?) Explain				
13. Vegetation				
Major Vegetation Features			Percent of Type Vegetation Feature	
14. Sea Condition				
Seasonal Variation of Seas (describe)				
Normal Direction		Ave Wave Ht	Max Wave Ht	Remarks
Storm Direction		Storm-Ave Wave	Max Wave Ht	Remarks



15. Fog					
Period (Month)	Type	Clear by (Hour)			
Time of Day (from)	Time of Day (to)	Remarks			
16. Winds					
Seasonal Variation of Winds -- describe					
Normal Direction	Velocity	Storm Direction	Strom Velocity		
17. Surf					
High Tide	Mid Tide	Low Tide			
# of Lines of Breakers	Wave Height	Angle of breakers to general line of beach			
18. Anchorages					
Location	Depths		Area	Holding Qualities	Protection
	Min	Max			







## 21. Shore

Describe -- (rocky, cliffed, fronted by salt pans, fringing reefs, etc.)

## 22. Cross Country Movement

Describe Passability for Troops and Vehicles

## 23. Roads

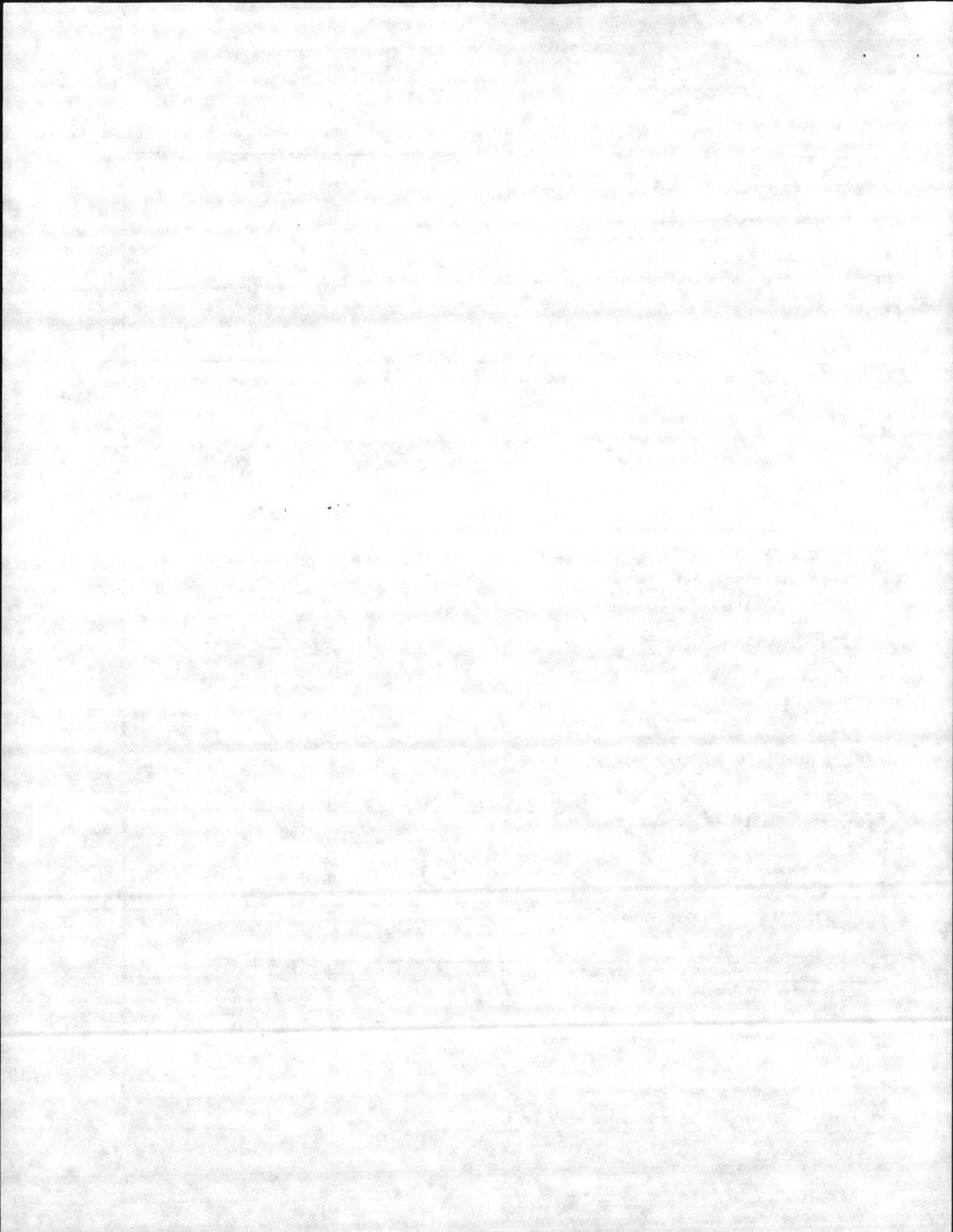
Describe in General Terms Roads, Tracks, and Trails (include width, type, surface, and condition)

## 24. Railroads

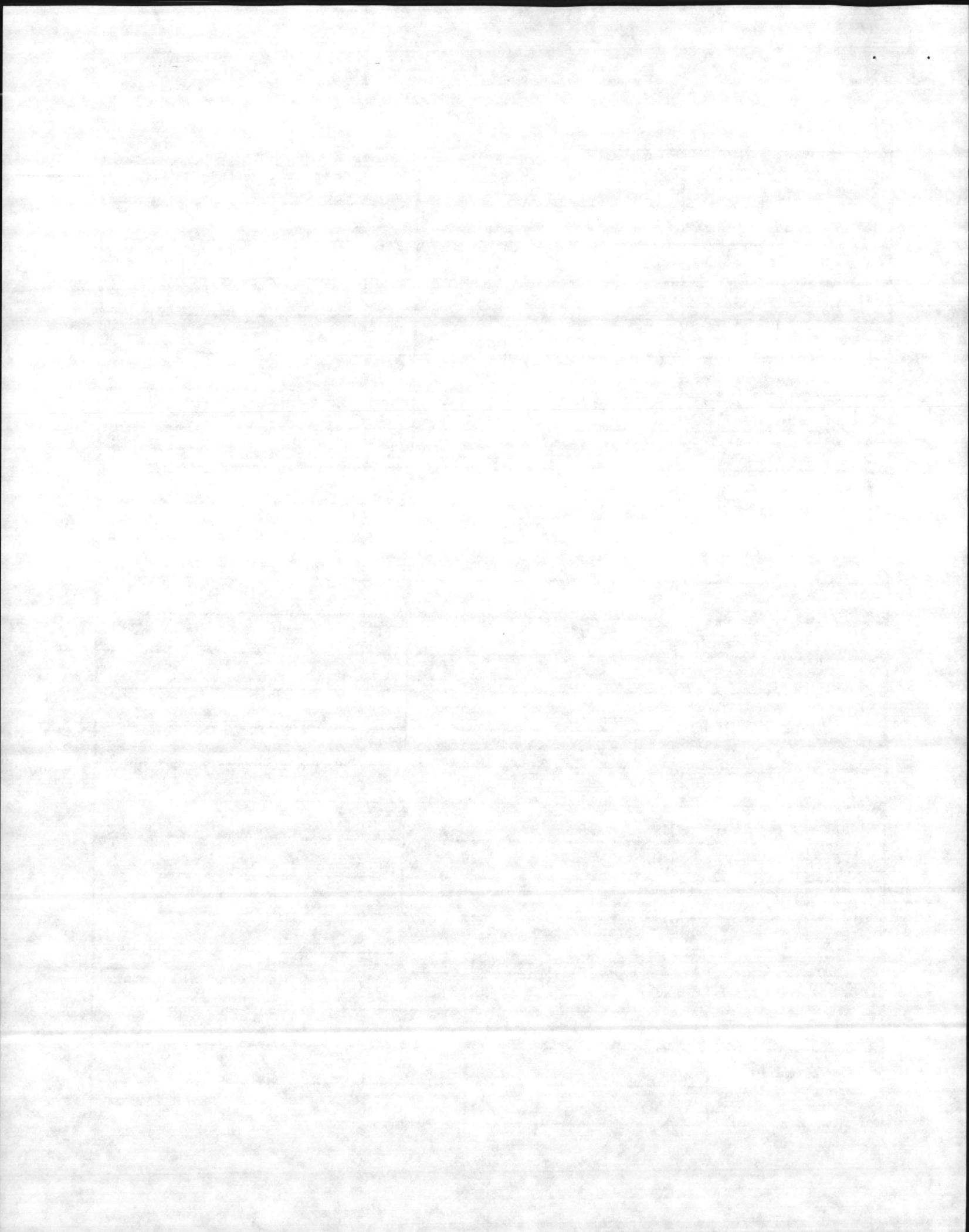
Describe Briefly -- (specify gauge)

## 25. Rivers, Streams, Inland Waterways and Canals

Describe if Present (include approach to river mouth, minimum depth at bar, navigable distance upstream, locks, etc.)







Airfields (Con't)

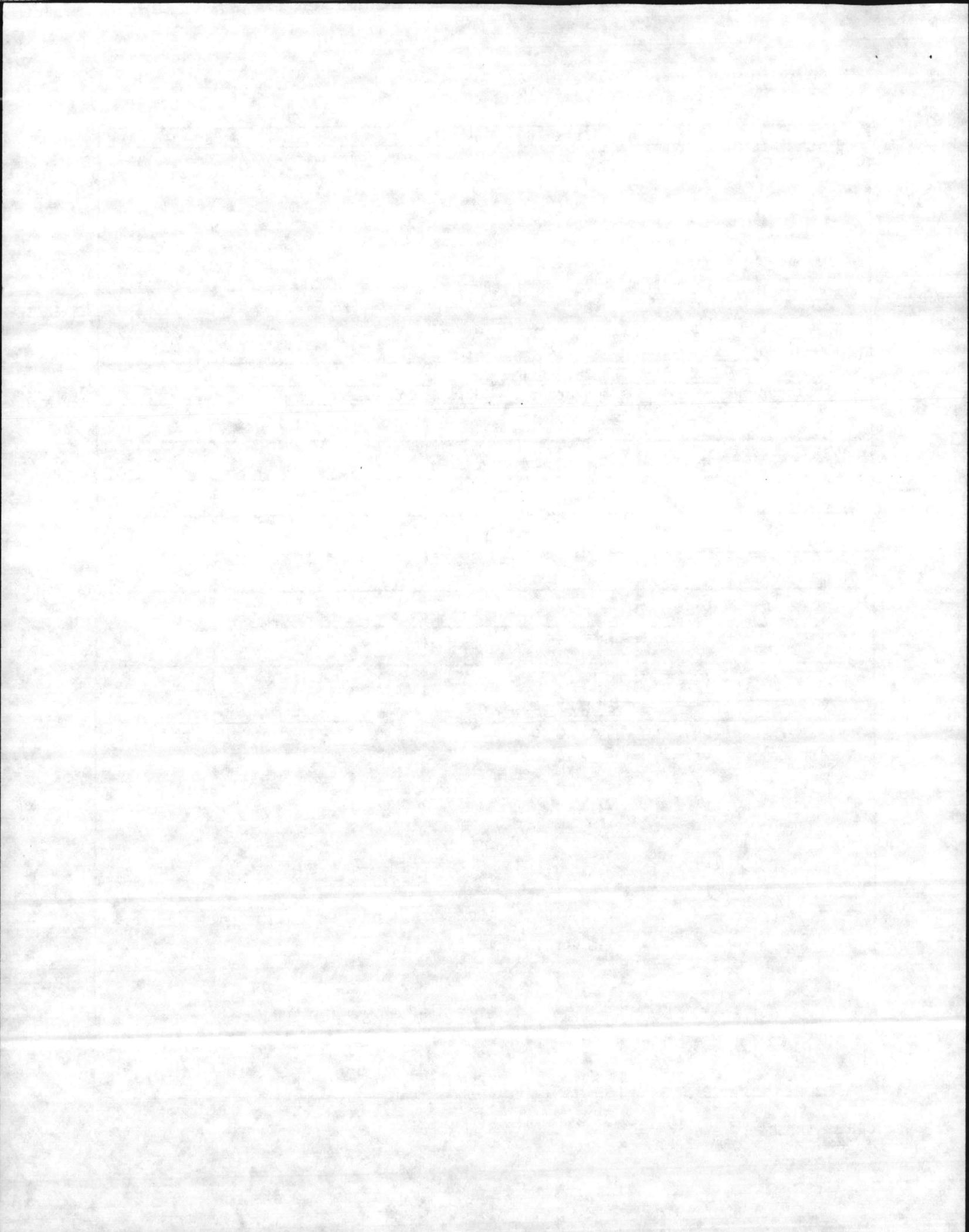
Remarks

28. Urban Areas

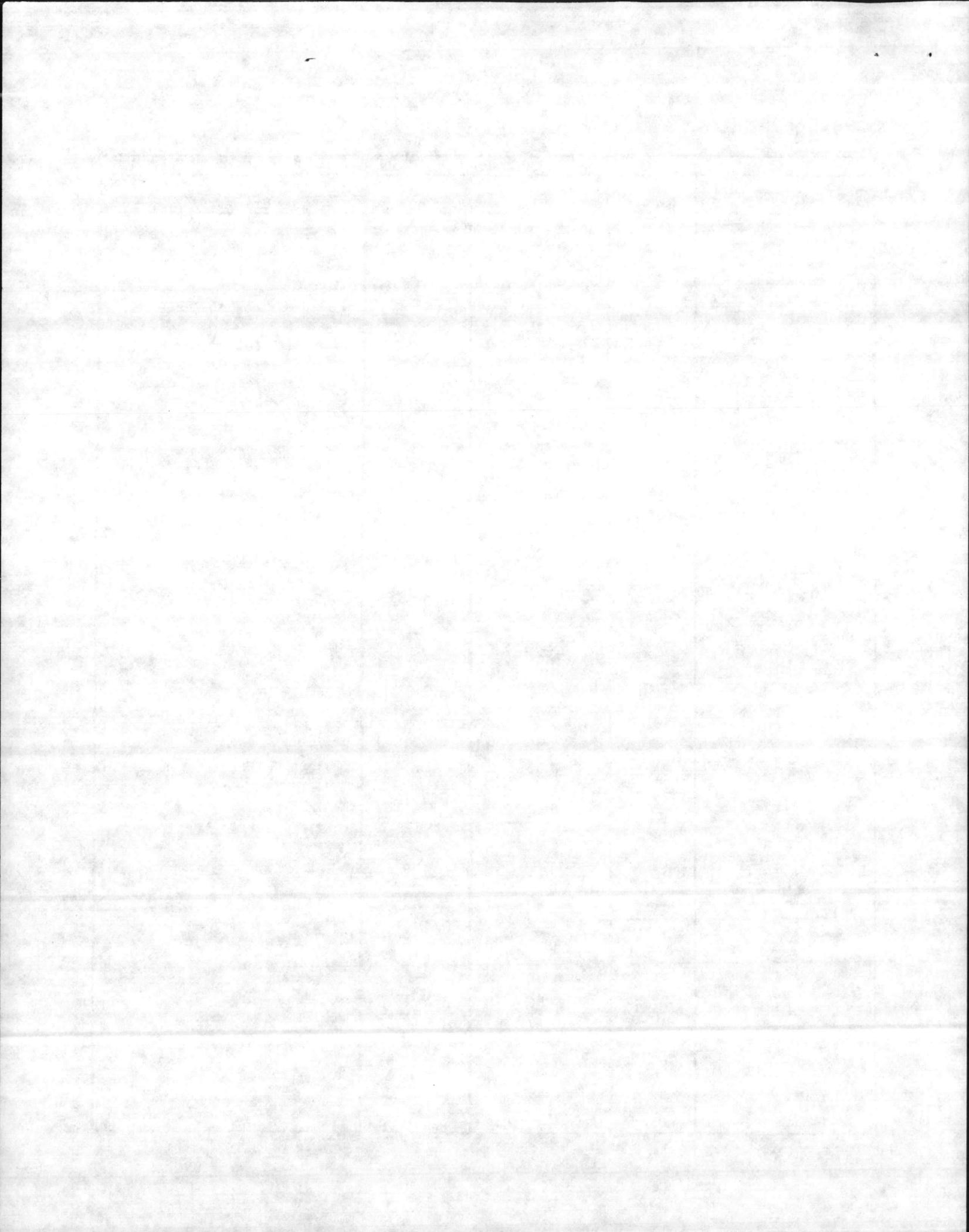
Local Placename	Location	Urban Area Report Number

29. Artificial Structures

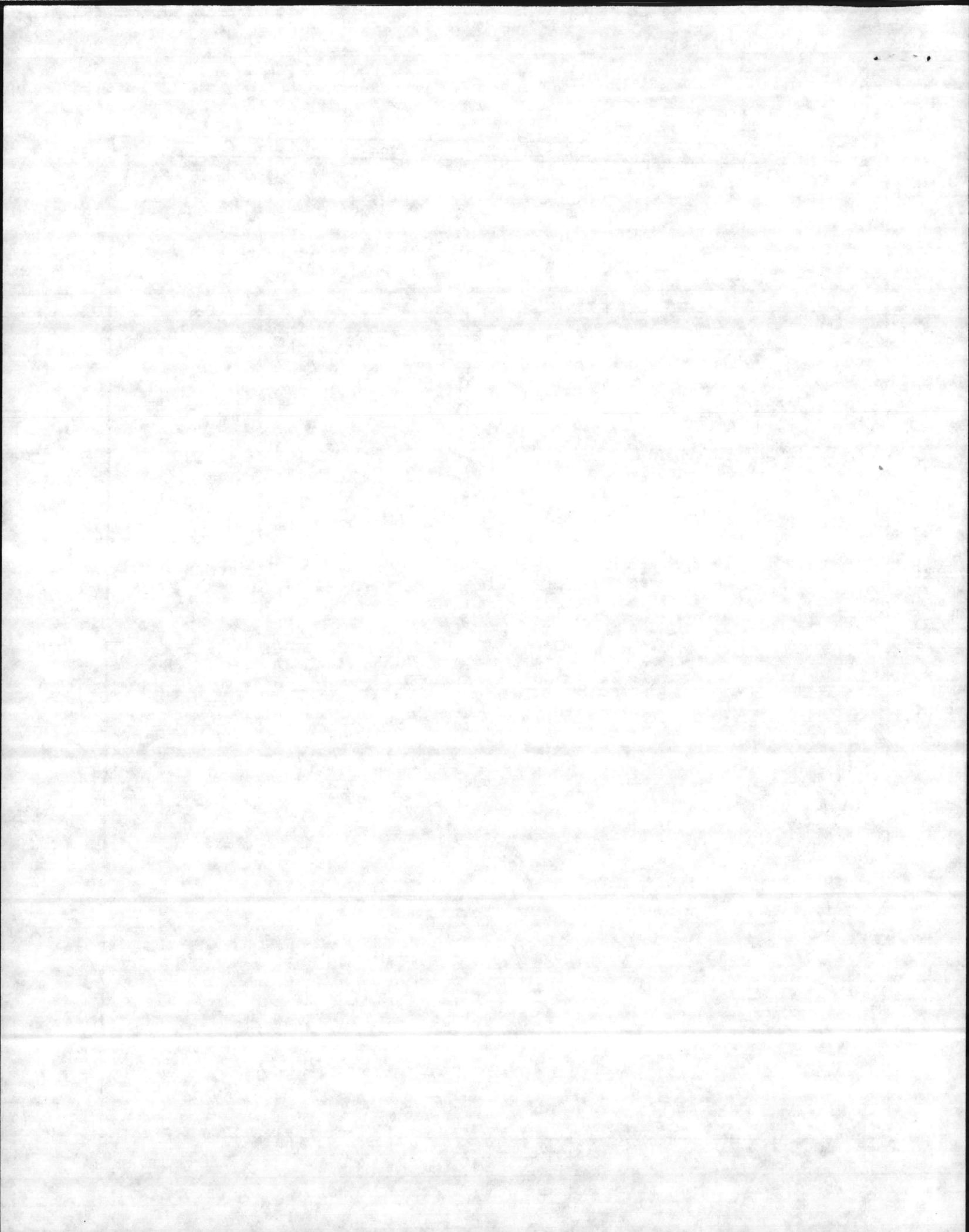
Give Type, Location, Size, Condition, etc.  
(Jetties, piers, groins, docks, etc.)







31. Additional Remarks



## ANNEX AA

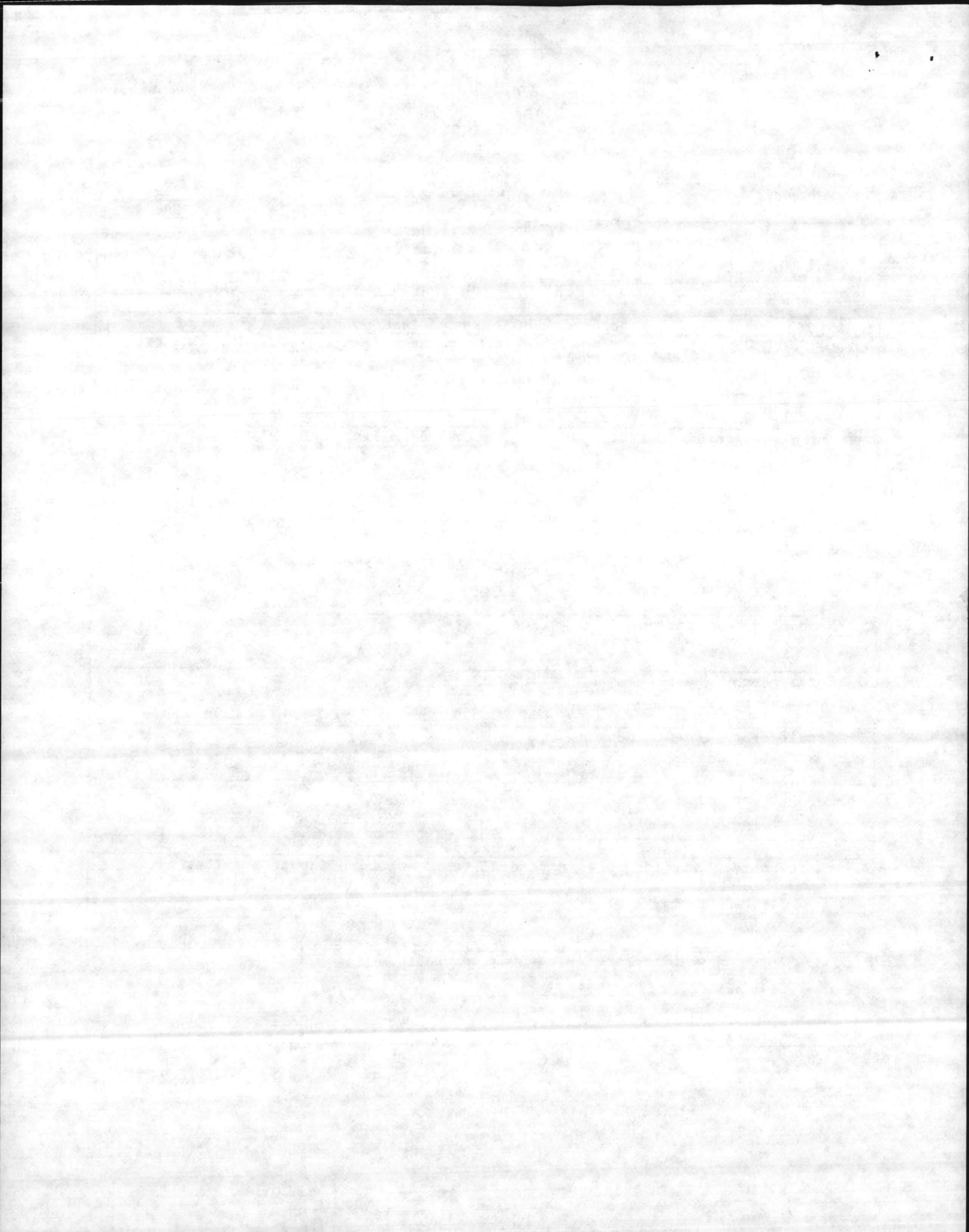
Coast Name: \_\_\_\_\_

Coast Number: \_\_\_\_\_

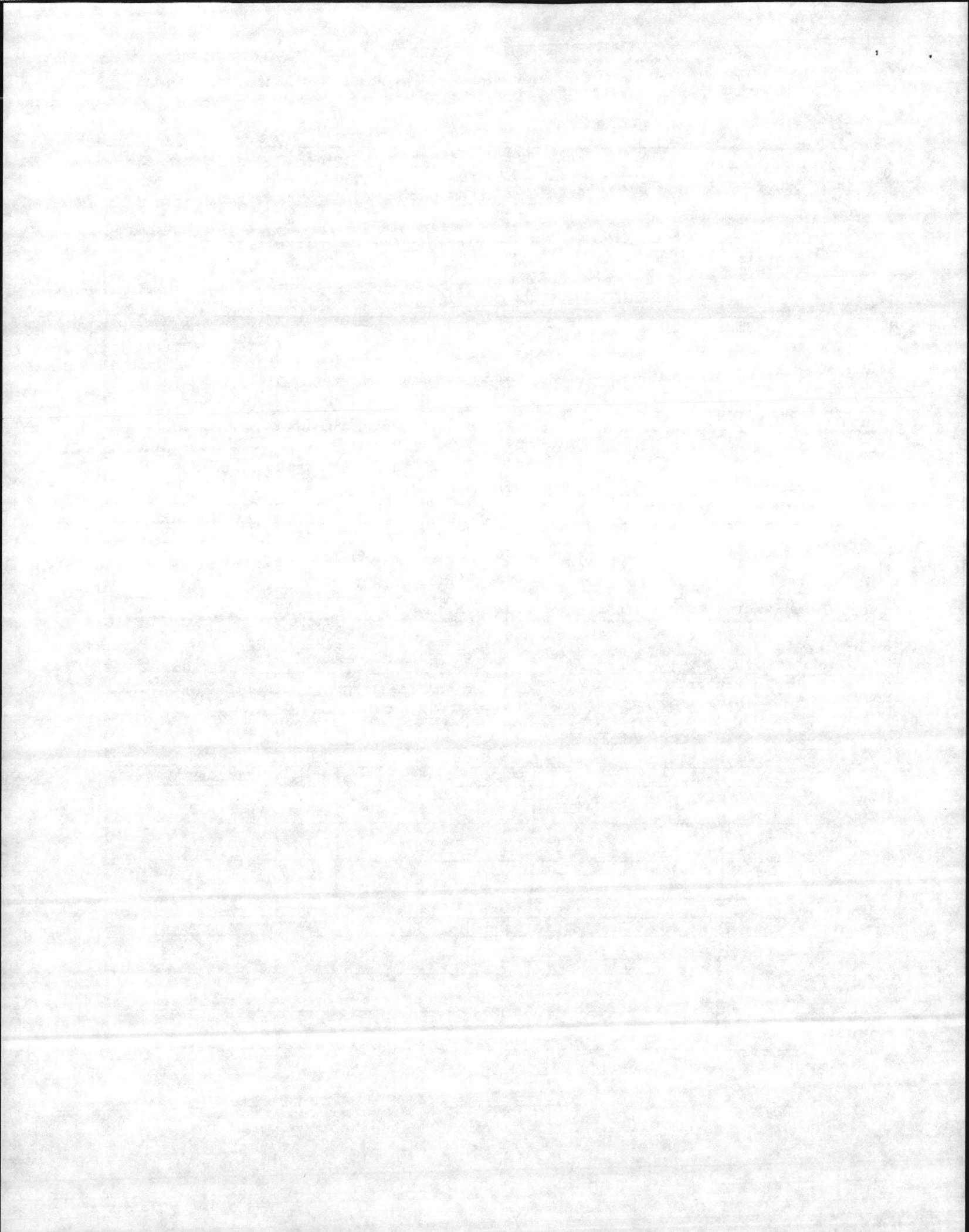
COAST REPORT

Date: \_\_\_\_\_

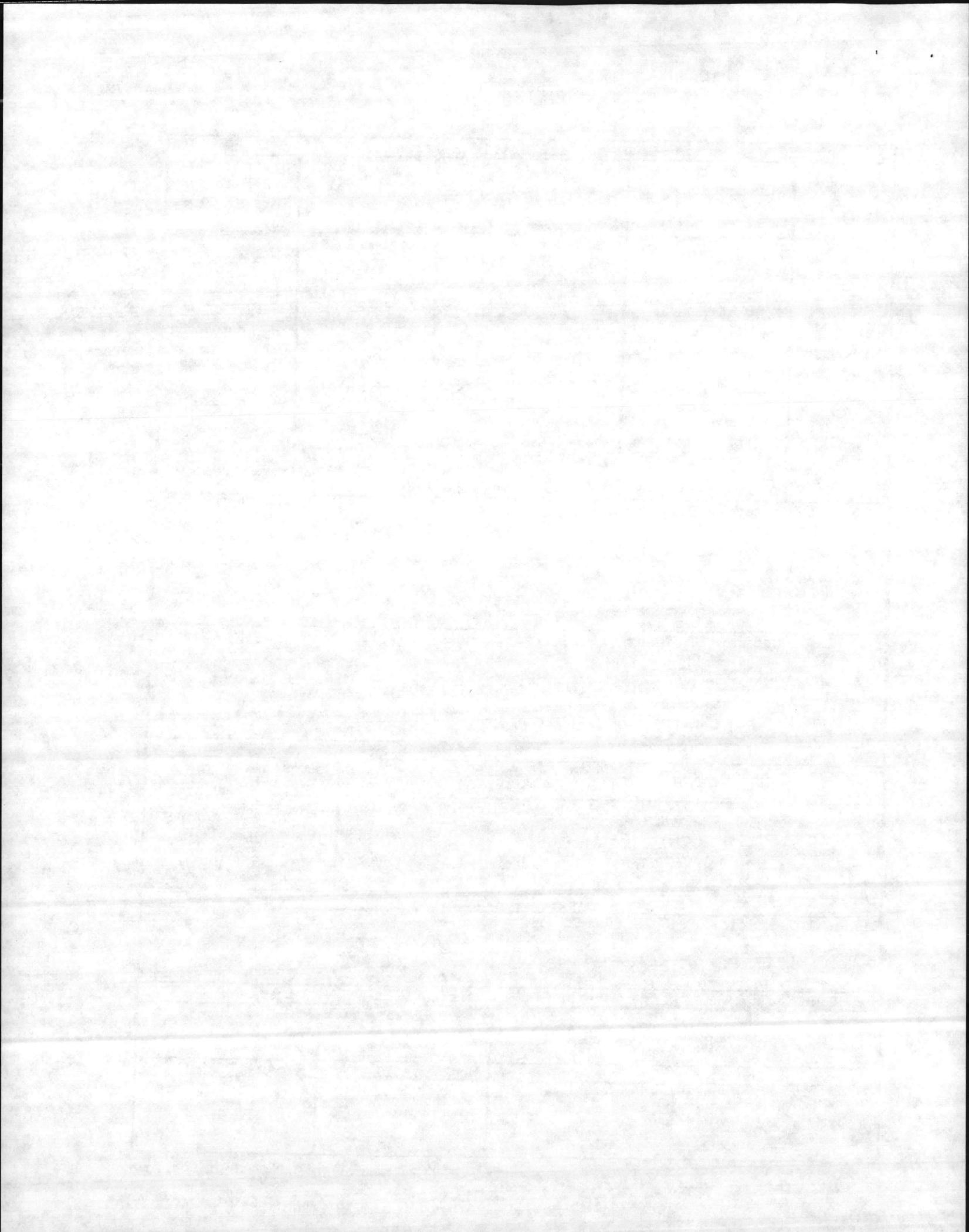
1. Country Code	2. Charts/Maps Reference a. Series _____ b. Edition _____ c. Sheet _____ d. Date _____
3. Boundries of Reported Area	
Center Beach Geographic Coordinates	Center Beach Military Grid Coordinates
Left Flank Geographic Coordinates	Left Flank Military Grid Coordinates
Right Flank Geographic Coordinates	Right Flank Military Grid Coordinates
4. Name of Unit Reporting Information	
5. Total Beach (Coast) Length	
6. Usable Beach (Coast) Length	
7. Average Nearshore Gradient	
8. Approaches	
Nearshore Approaches (describe in general terms -- shoreline to 5 fathom curve)	
Offshore Approaches (describe in general terms)	



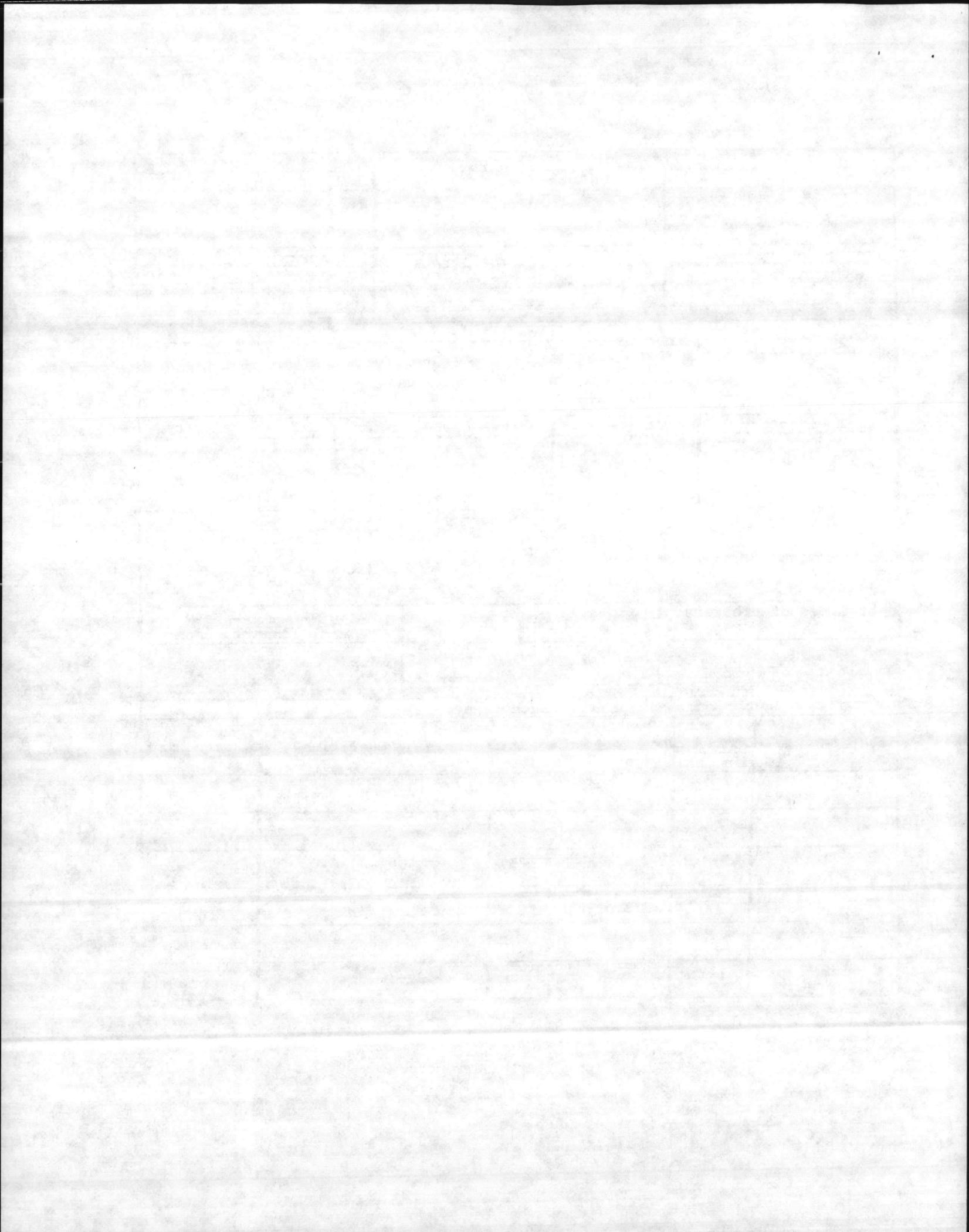
Approaches (Con't)			
Approx. Dist., Shore to 3 Fathom Curve		Approx. Dist., shore to 5 Fathom Curve	
Meteorological Conditions -- describe in general terms			
Navigation Landmarks			
Dangers (Obstacles)		Offshore Islands	
9. Currents			
Direction		Velocity	
Water Temp (Winter Avg)		Water Temp (Summer Avg)	
Ice Present in Winter?		Rips Observed	
10. Tides			
Type	Datum	Max Range	Min Range
Tides (Con't)			
Average	Equip Used		Location



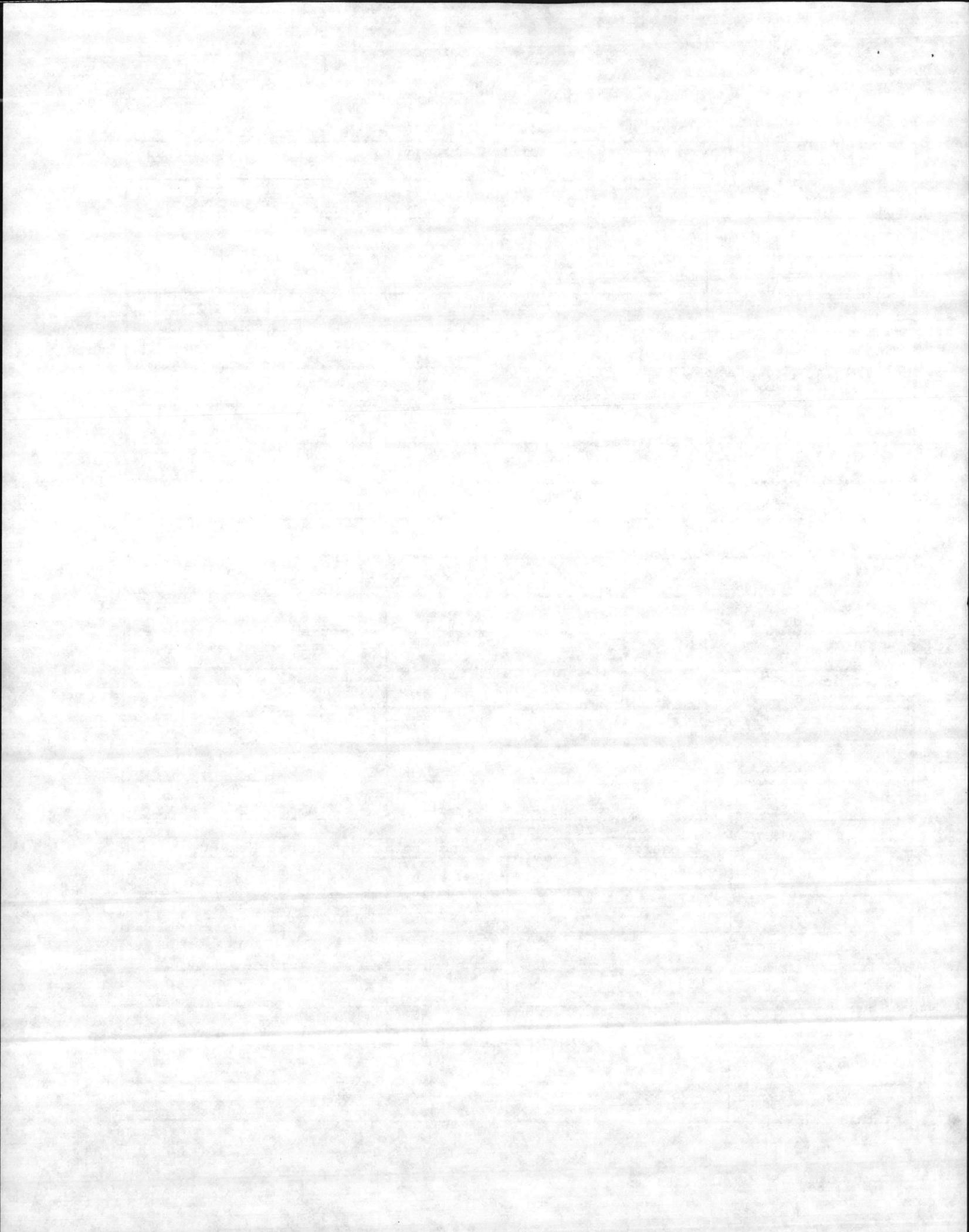
11. Critical Terrain				
Location (UTM)	Visible Indications	Photographic Reference	Reason Critical	Distance from Beach to Terrain Feature
Orientation Sketch				
12. Cross-Country Movement (good, fair, poor, why?) Explain				
13. Vegetation				
Major Vegetation Features				Percent of Type Vegetation Feature
14. Sea Condition				
Seasonal Variation of Seas (describe)				
Normal Direction	Ave Wave Ht	Max Wave Ht	Remarks	
Storm Direction	Storm-Ave Wave	Max Wave Ht	Remarks	



15. Fog					
Period (Month)	Type	Clear by (Hour)			
Time of Day (from)	Time of Day (to)	Remarks			
16. Winds					
Seasonal Variation of Winds -- describe					
Normal Direction	Velocity	Storm Direction	Strom Velocity		
17. Surf					
High Tide	Mid Tide	Low Tide			
# of Lines of Breakers	Wave Height	Angle of breakers to general line of beach			
18. Anchorages					
Location	Depths		Area	Holding Qualities	Protection
	Min	Max			







## 21. Shore

Describe -- (rocky, cliffed, fronted by salt pans, fringing reefs, etc.)

## 22. Cross Country Movement

Describe Passability for Troops and Vehicles

## 23. Roads

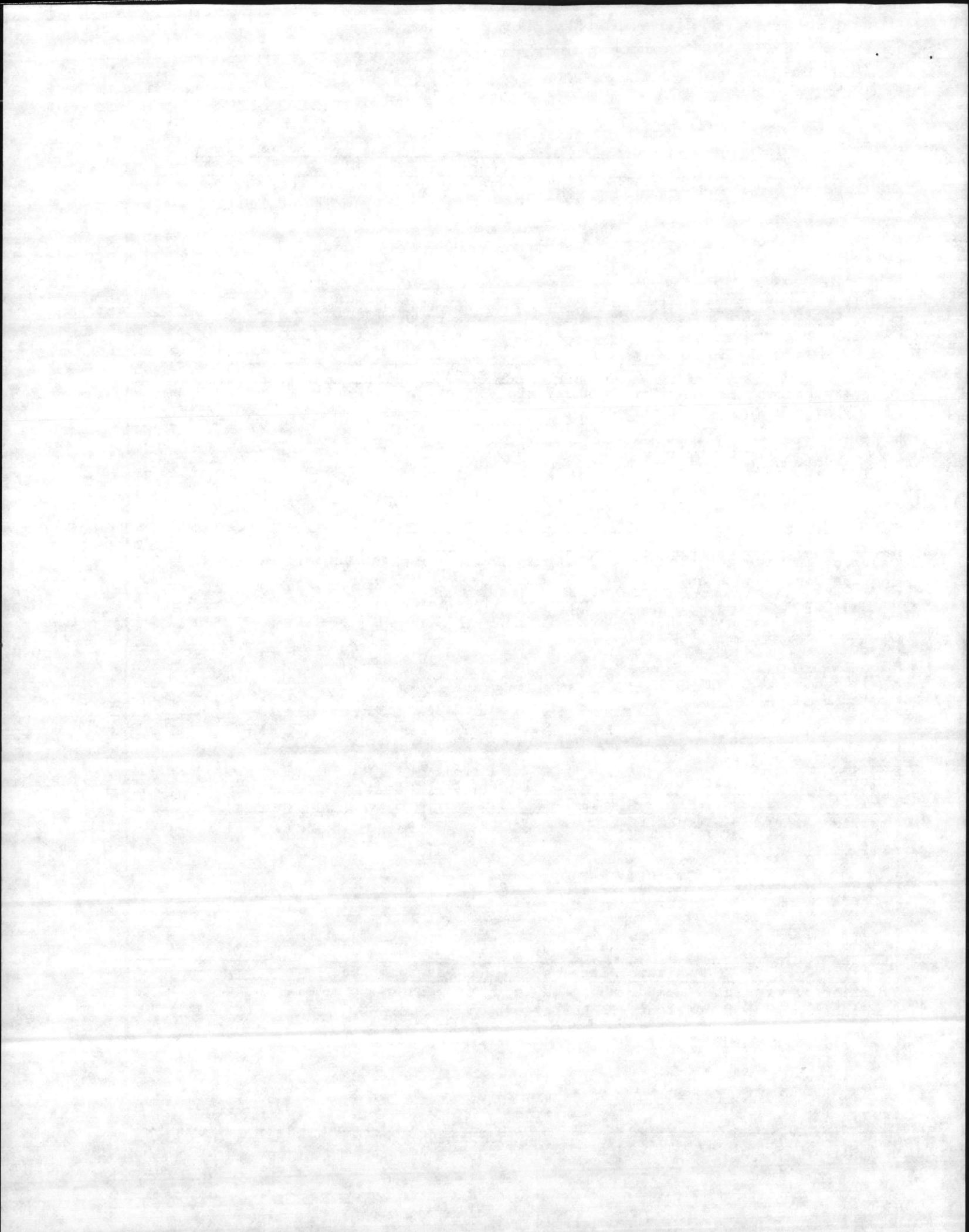
Describe in General Terms Roads, Tracks, and Trails (include width, type, surface, and condition)

## 24. Railroads

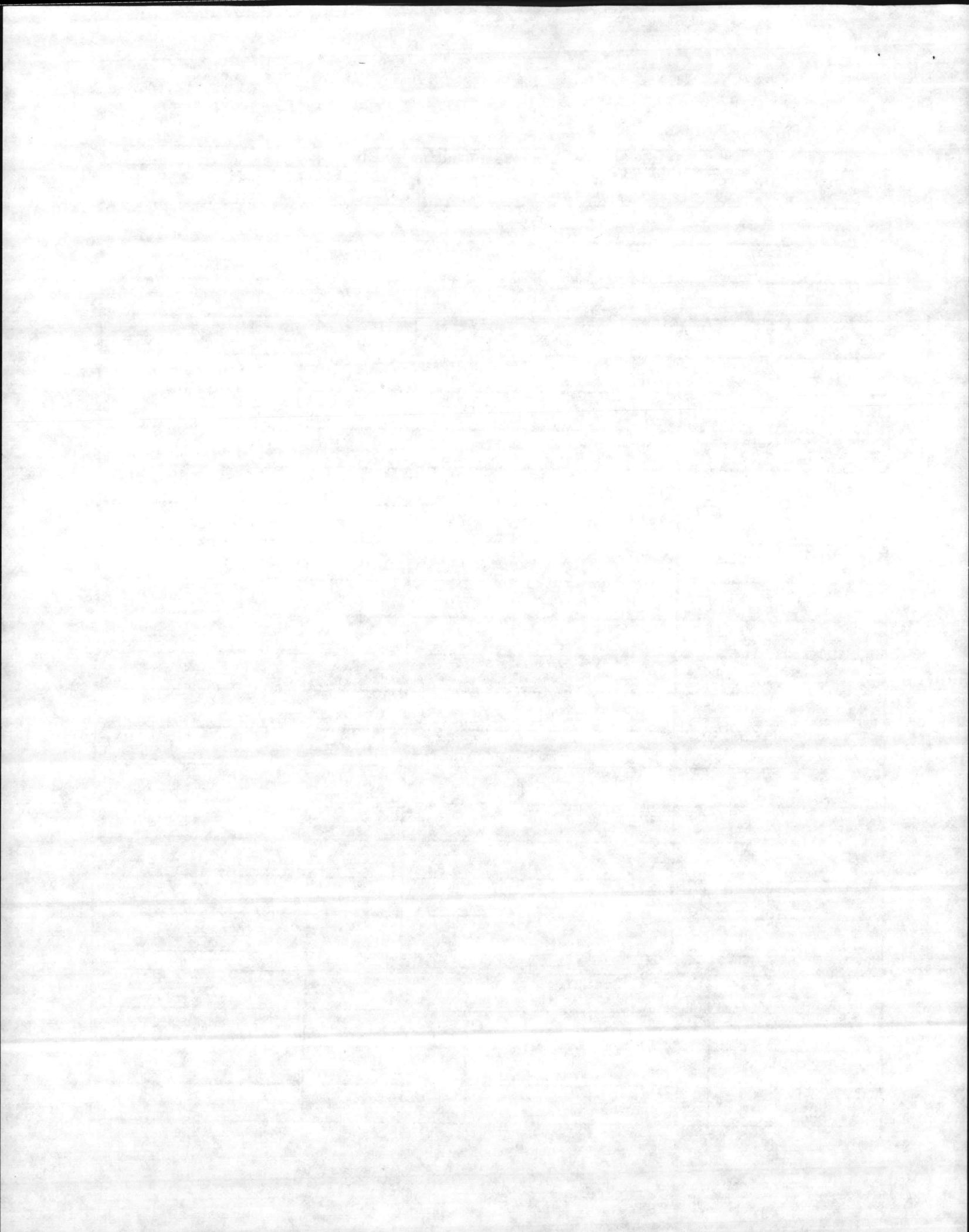
Describe Briefly -- (specify gauge)

## 25. Rivers, Streams, Inland Waterways and Canals

Describe if Present (include approach to river mouth, minimum depth at bar, navigable distance upstream, locks, etc.)







Airfields (Con't)

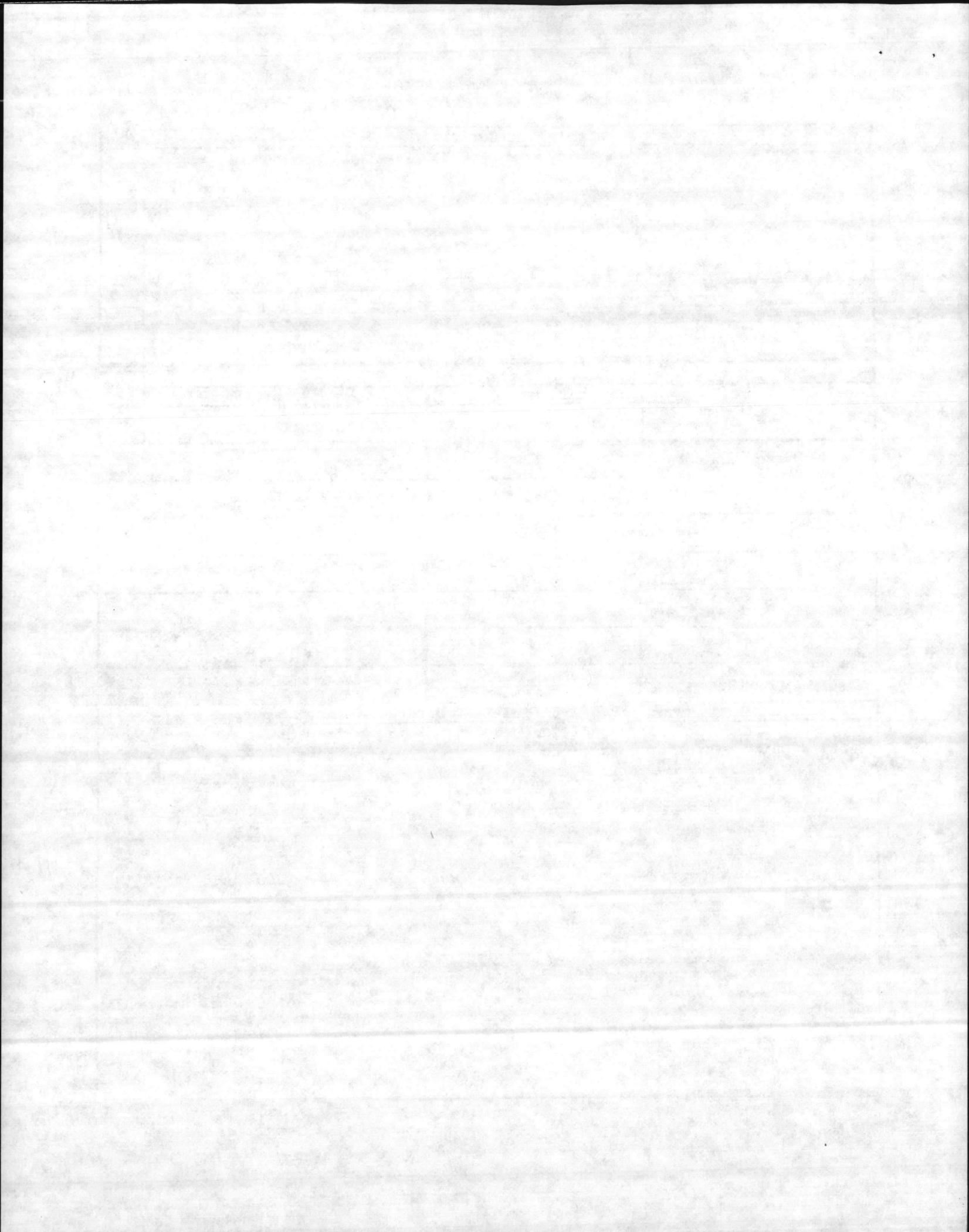
Remarks

28. Urban Areas

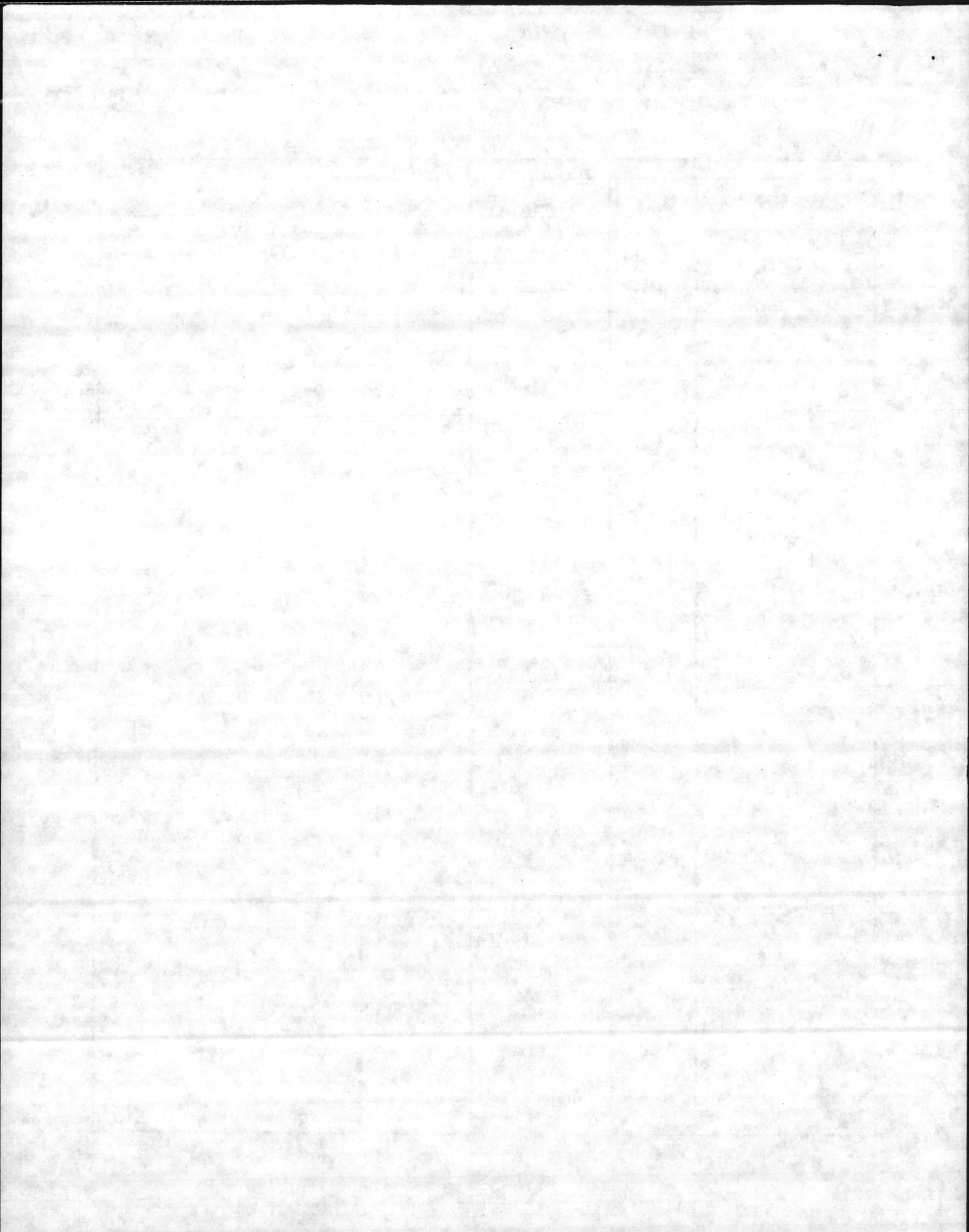
Local Placename	Location	Urban Area Report Number

29. Artificial Structures

Give Type, Location, Size, Condition, etc.  
(Jetties, piers, groins, docks, etc.)







31. Additional Remarks



## ANNEX AA

Coast Name: \_\_\_\_\_

Coast Number: \_\_\_\_\_

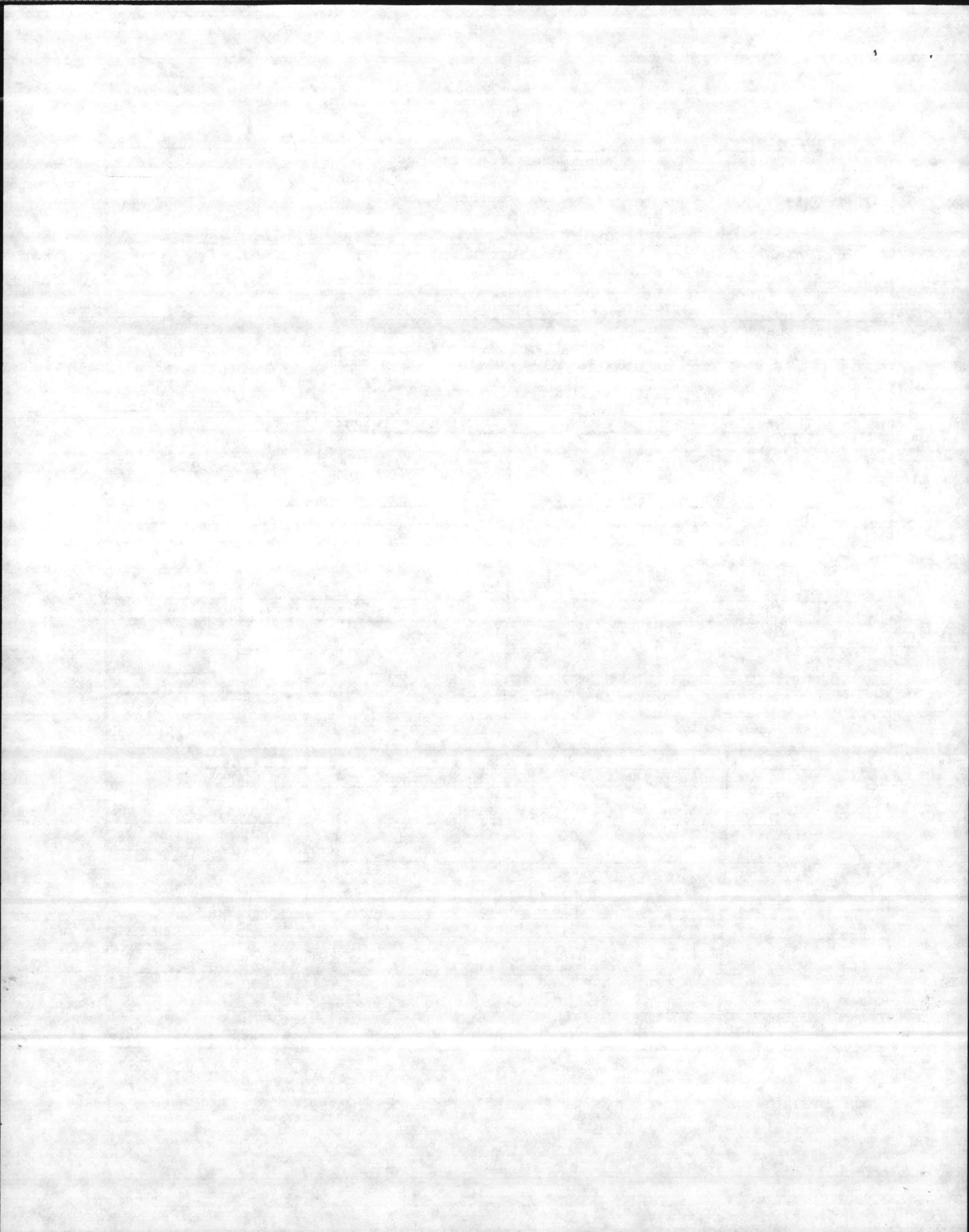
## COAST REPORT

Date: \_\_\_\_\_

1. Country Code	2. Charts/Maps Reference a. Series _____ b. Edition _____ c. Sheet _____ d. Date _____
<b>3. Boundries of Reported Area</b>	
Center Beach Geographic Coordinates	Center Beach Military Grid Coordinates
Left Flank Geographic Coordinates	Left Flank Military Grid Coordinates
Right Flank Geographic Coordinates	Right Flank Military Grid Coordinates
4. Name of Unit Reporting Information	
5. Total Beach (Coast) Length	
6. Usable Beach (Coast) Length	
7. Average Nearshore Gradient	
<b>8. Approaches</b>	
Nearshore Approaches (describe in general terms -- shoreline to 5 fathom curve)	
Offshore Approaches (describe in general terms)	



Approaches (Con't)			
Approx. Dist., Shore to 3 Fathom Curve		Approx. Dist., shore to 5 Fathom Curve	
Meteorological Conditions -- describe in general terms			
Navigation Landmarks			
Dangers (Obstacles)		Offshore Islands	
9. Currents			
Direction		Velocity	
Water Temp (Winter Avg)		Water Temp (Summer Avg)	
Ice Present in Winter?		Rips Observed	
10. Tides			
Type	Datum	Max Range	Min Range
Tides (Con't)			
Average	Equip Used		Location



11. Critical Terrain				
Location (UTM)	Visible Indications	Photographic Reference	Reason Critical	Distance from Beach to Terrain Feature

Orientation Sketch

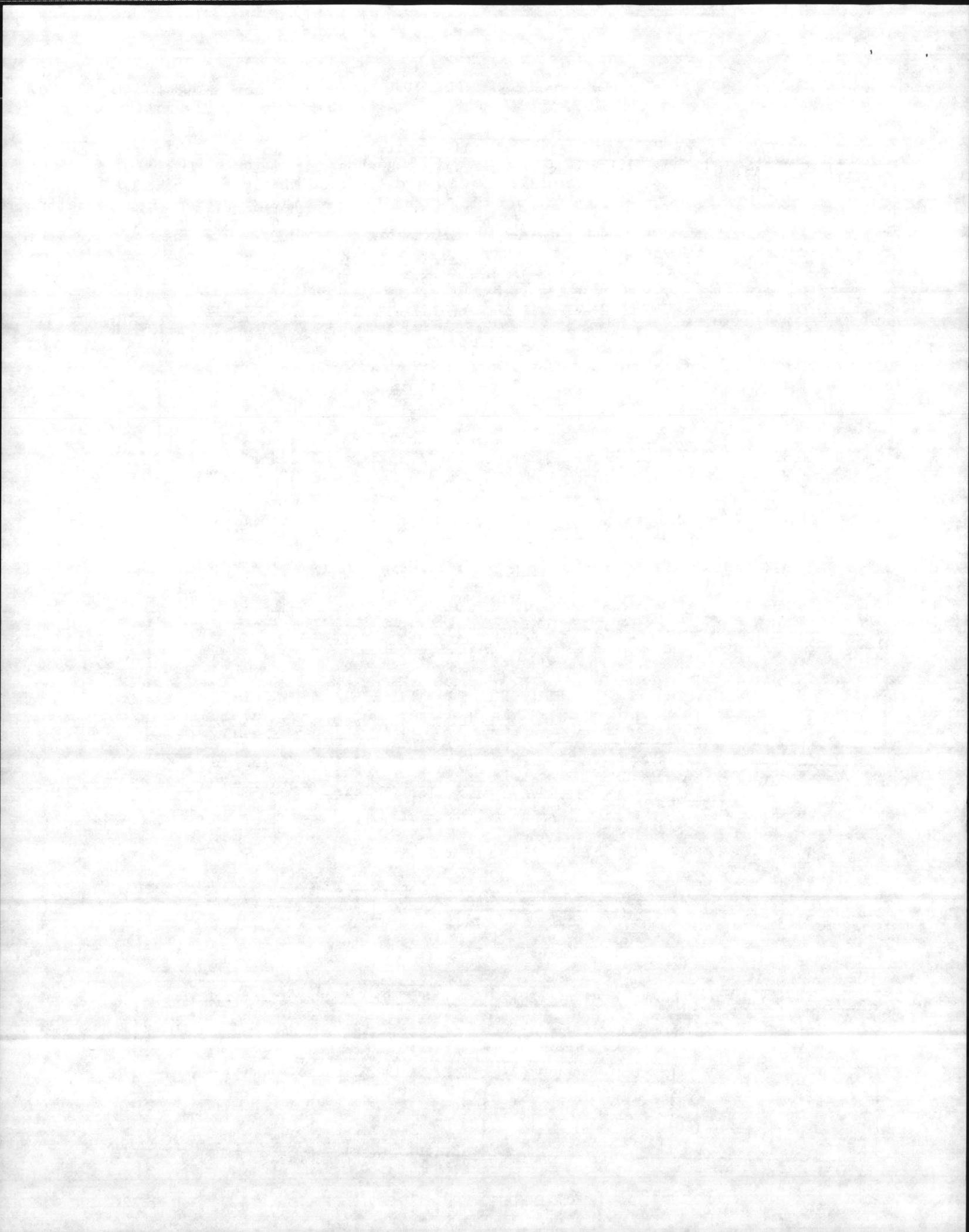
12. Cross-Country Movement (good, fair, poor, why?) Explain

13. Vegetation	
Major Vegetation Features	Percent of Type Vegetation Feature

14. Sea Condition

Seasonal Variation of Seas (describe)

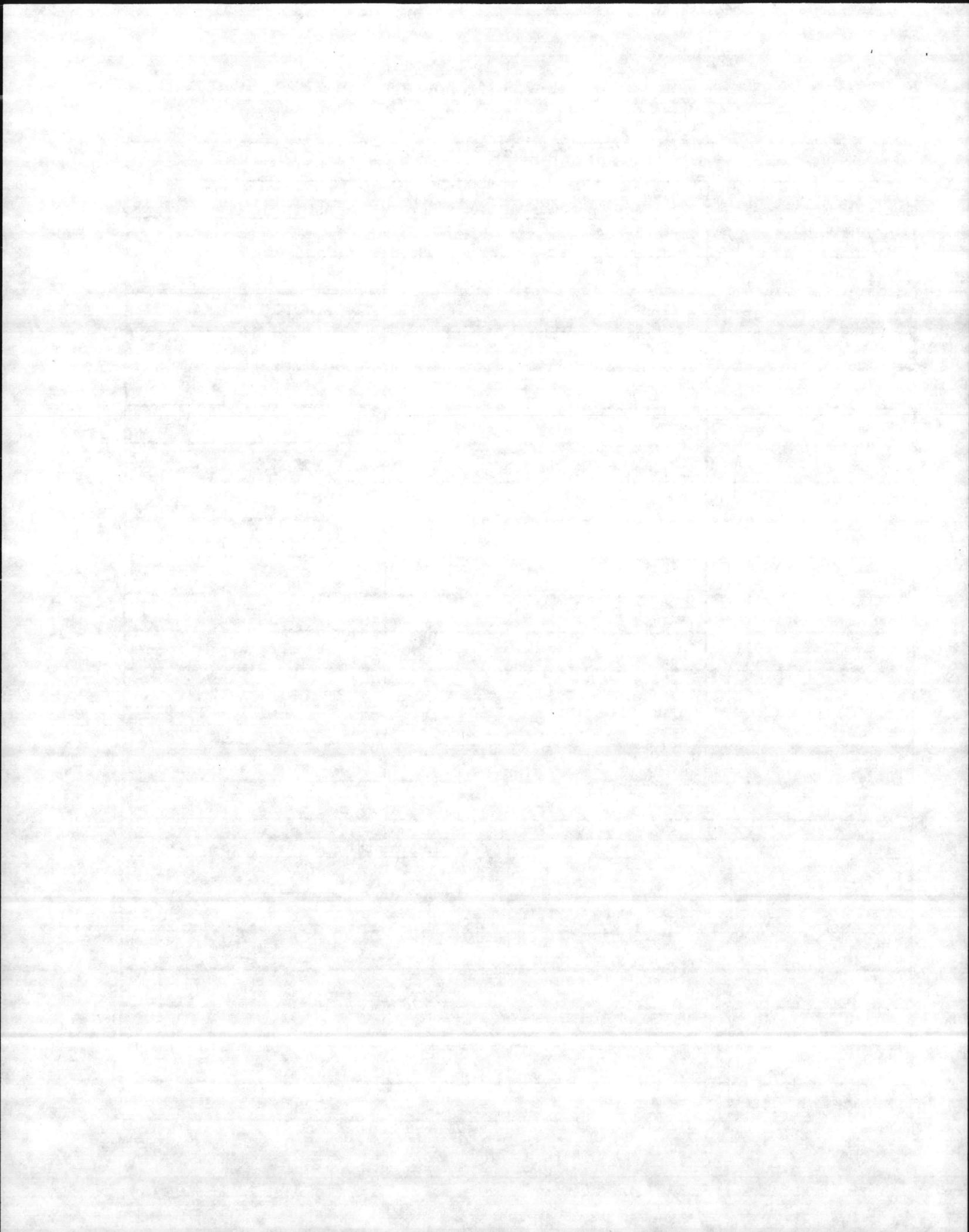
Normal Direction	Ave Wave Ht	Max Wave Ht	Remarks
Storm Direction	Storm-Ave Wave	Max Wave Ht	Remarks



15. Fog					
Period (Month)	Type	Clear by (Hour)			
Time of Day (from)	Time of Day (to)	Remarks			
16. Winds					
Seasonal Variation of Winds -- describe					
Normal Direction	Velocity	Storm Direction	Storm Velocity		
17. Surf					
High Tide	Mid Tide	Low Tide			
# of Lines of Breakers	Wave Height	Angle of breakers to general line of beach			
18. Anchorages					
Location	Depths		Area	Holding Qualities	Protection
	Min	Max			







## 21. Shore

Describe -- (rocky, cliffed, fronted by salt pans, fringing reefs, etc.)

## 22. Cross Country Movement

Describe Passability for Troops and Vehicles

## 23. Roads

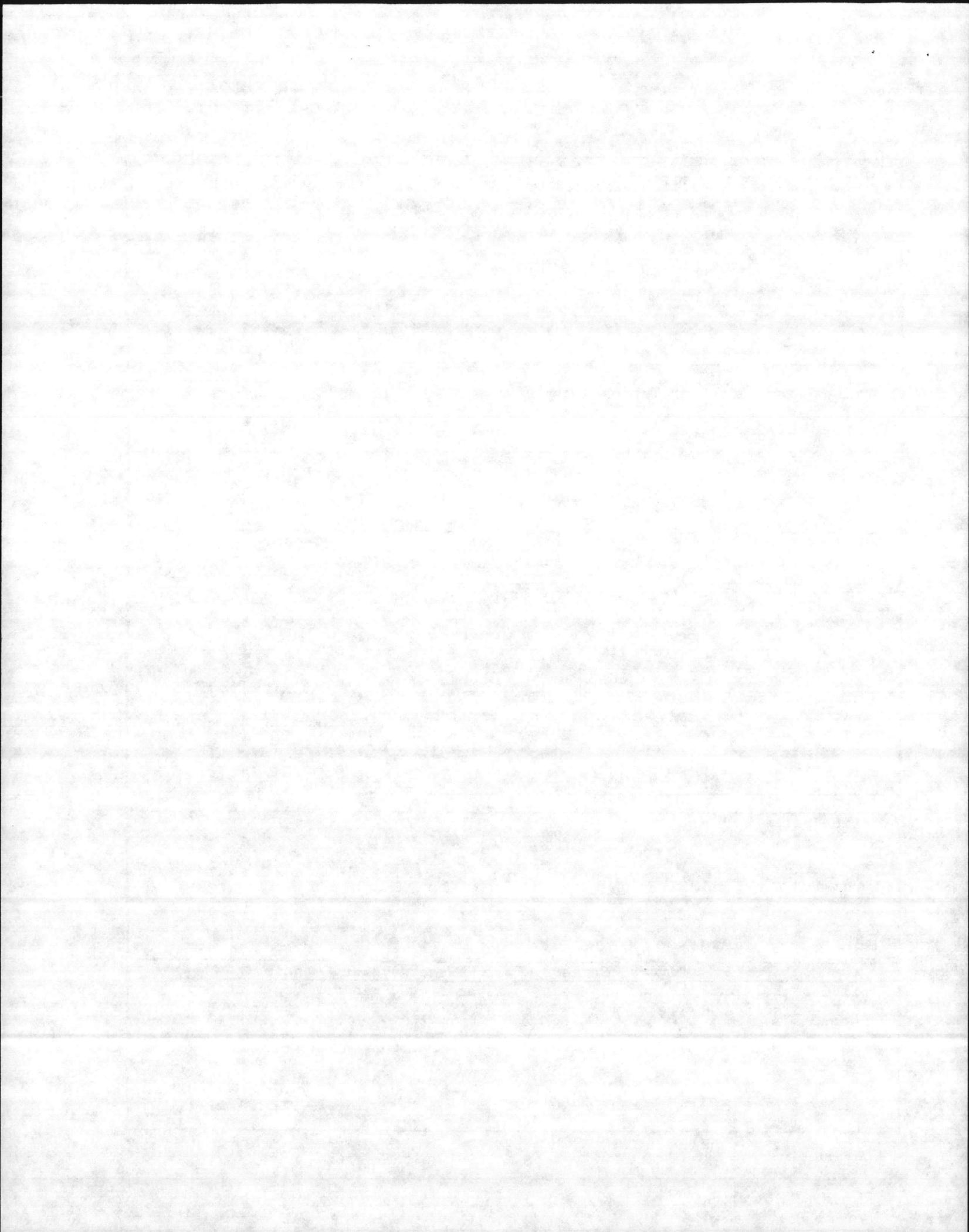
Describe in General Terms Roads, Tracks, and Trails (include width, type, surface, and condition)

## 24. Railroads

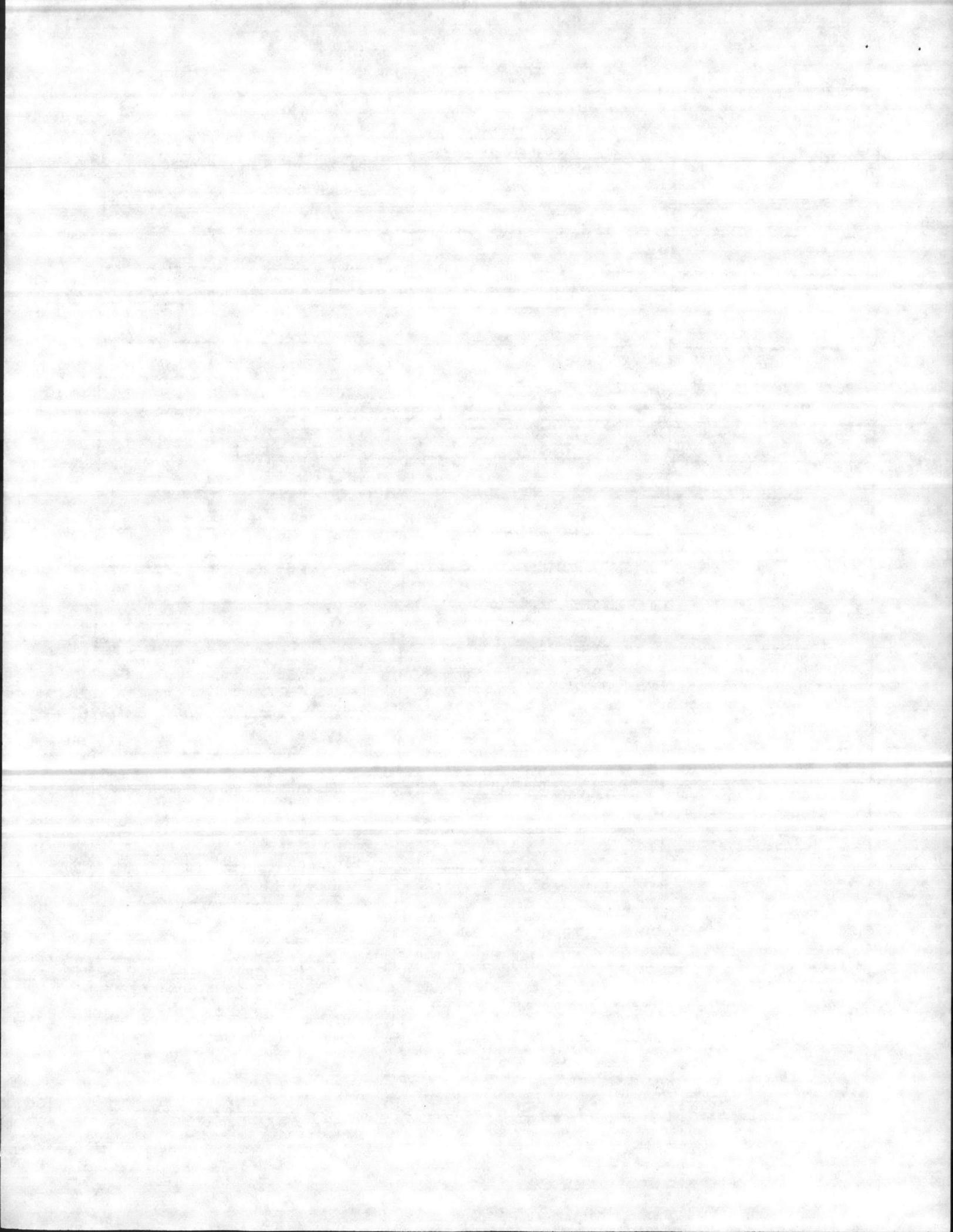
Describe Briefly -- (specify gauge)

## 25. Rivers, Streams, Inland Waterways and Canals

Describe if Present (include approach to river mouth, minimum depth at bar, navigable distance upstream, locks, etc.)







Airfields (Con't)

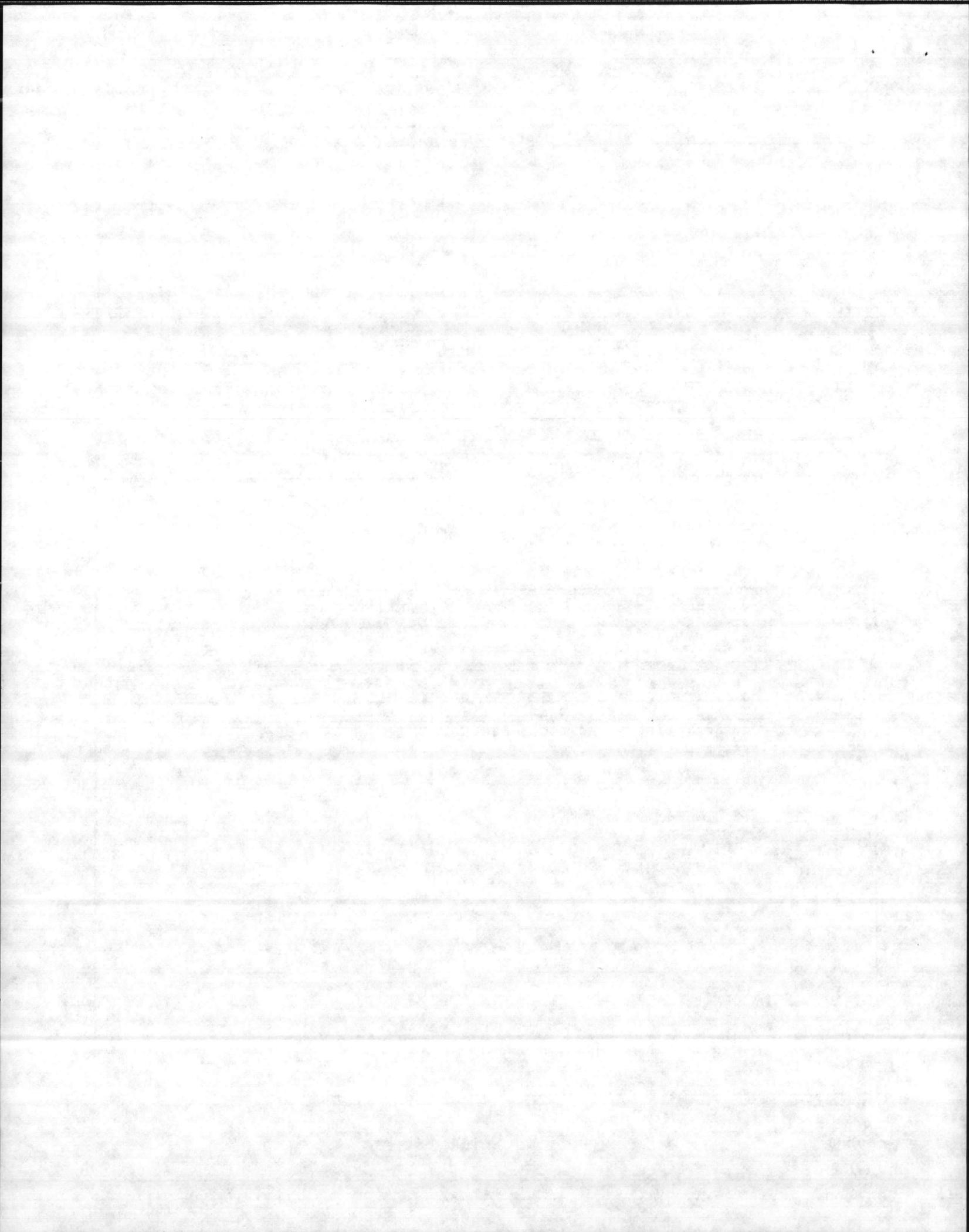
Remarks

28. Urban Areas

Local Placename	Location	Urban Area Report Number

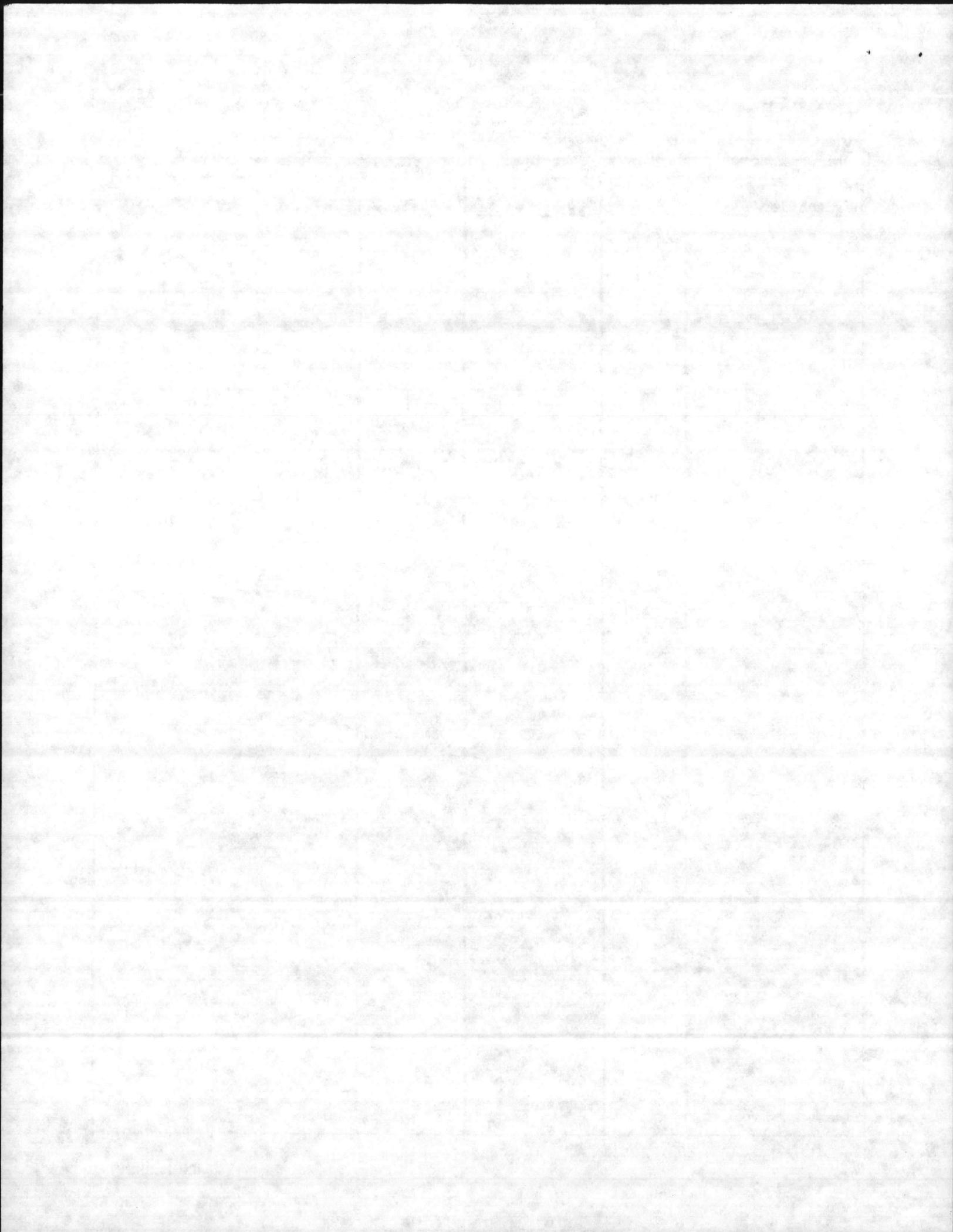
29. Artificial Structures

Give Type, Location, Size, Condition, etc.  
(Jetties, piers, groins, docks, etc.)



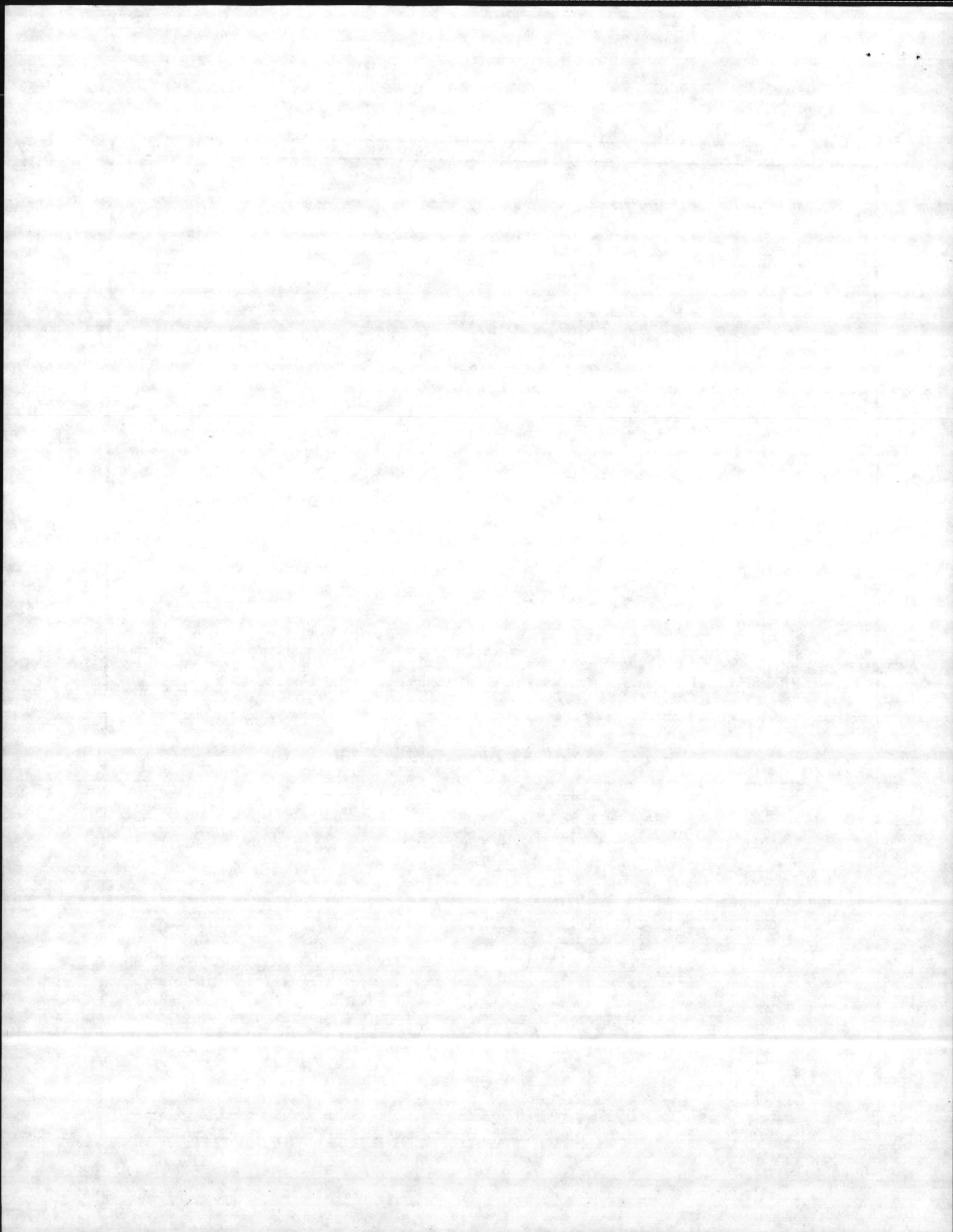
30. Photo Coverage

Photo Designation	Type	Location	Date	Description



31. Additional Remarks

[Empty rectangular box for additional remarks]



SURF REPORT FORM  
SURF REPORT FORM

BEACH NO.

TIME/DATE

SIG. HT. FT.

PERIOD

WAVE LENGTH

WAVE ANGLE °R/L°

TYPE

NO. OF ROWS

DIRECTION°

WIDTH, FT.

MAX. HT.

DEPTH OF BREAKING FT.

CURRENT DRIFT

KNTS. \_\_\_\_\_

TIME - Hour of obs. in local zone time.

SIGNIFT.-

CANT HT. FT. - Vertical distance from crest to trough. Avg.  
Highest one-third of all breakers in 10 min.  
period.

PERIOD - Time interval between two successive crests passing a  
fixed point.

WAVE LENGTH - Horizontal dist. in feet between two successive  
wave crests.

WAVE ANGLE - The angle in degrees between the lines of break-  
ers and shoreline. "Right" or "Left" as viewed  
coming from the observer's right or left.

TYPE - Spilling, plunging, or surging.

NO. OF ROWS - Number of rows of waves in the surf zone.

DIRECTION - True Az. of direction from which waves appear to  
approach the beach.

WIDTH - The width of the surf zone from outermost breakers to  
the limit of the uprush of water on the beach.

MAX. HT. - The height in feet of the highest breaker observed.

DEPTH OF BREAKING -- The still water depth in feet at the point  
where the waves break.

CURRENT - Direction of flow of the inshore current expressed  
in degrees as a true Azimuth.

KNOTS - Speed of the inshore current.

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SURF REPORT FORM  
U.S. NAVY

BEACH NO.

TIME/DATE

SIG. HT. FT.

PERIOD

WAVE LENGTH

WAVE ANGLE °R/L°

TYPE

NO. OF ROWS

DIRECTION°

WIDTH, FT.

MAX. HT.

DEPTH OF BREAKING FT.

CURRENT DRIFT

KNTS. \_\_\_\_\_

TIME - Hour of obs. in local zone time.

SIGNIFT-

CANT HT. FT. - Vertical distance from crest to trough. Avg. Highest one-third of all breakers in 10 min. period.

PERIOD - Time interval between two successive crests passing a fixed point.

WAVE LENGTH - Horizontal dist. in feet between two successive wave crests.

WAVE ANGLE - The angle in degrees between the lines of breakers and shoreline. "Right" or "Left" as viewed coming from the observer's right or left.

TYPE - Spilling, plunging, or surging.

NO. OF ROWS - Number of rows of waves in the surf zone.

DIRECTION - True Az. of direction from which waves appear to approach the beach.

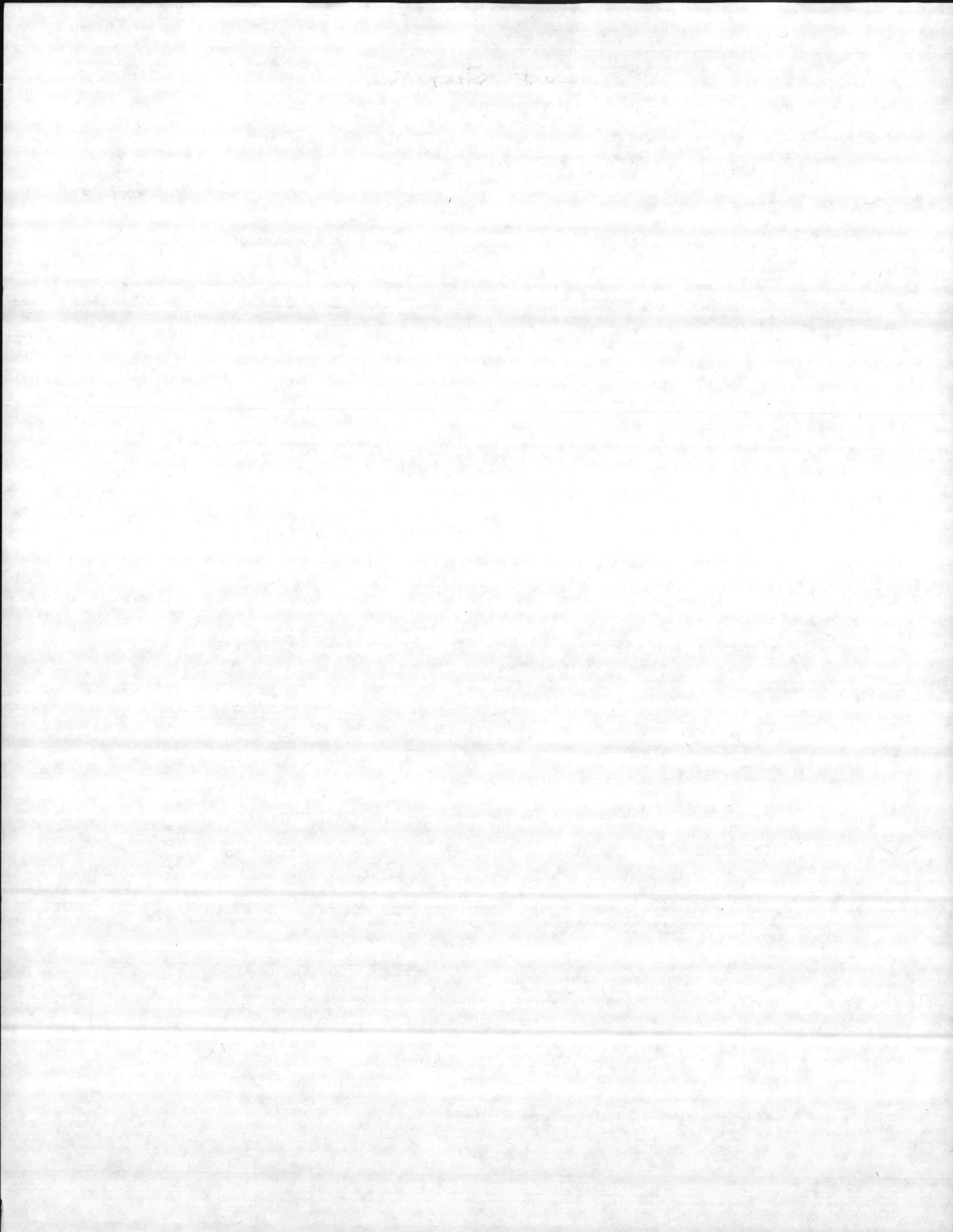
WIDTH - The width of the surf zone from outermost breakers to the limit of the uprush of water on the beach.

MAX. HT. - The height in feet of the highest breaker observed.

DEPTH OF BREAKING - The still water depth in feet at the point where the waves break.

CURRENT - Direction of flow of the inshore current expressed in degrees as a true Azimuth.

KNOTS - Speed of the inshore current.



*Surf Report Form*  
SURF REPORT FORM

BEACH NO. \_\_\_\_\_  
TIME/DATE \_\_\_\_\_ SIG. HT. FT. \_\_\_\_\_  
PERIOD \_\_\_\_\_ WAVE LENGTH \_\_\_\_\_  
WAVE ANGLE °R/L° \_\_\_\_\_ TYPE \_\_\_\_\_  
NO. OF ROWS \_\_\_\_\_ DIRECTION° \_\_\_\_\_  
WIDTH, FT. \_\_\_\_\_ MAX. HT. \_\_\_\_\_  
DEPTH OF BREAKING FT. \_\_\_\_\_ CURRENT DRIFT KNTS. \_\_\_\_\_

TIME - Hour of obs. in local zone time.

**SIGNIFT-**

CANT HT. FT. - Vertical distance from crest to trough. Avg. Highest one-third of all breakers in 10 min. period.

PERIOD - Time interval between two successive crests passing a fixed point.

WAVE LENGTH - Horizontal dist. in feet between two successive wave crests.

WAVE ANGLE - The angle in degrees between the lines of breakers and shoreline. "Right" or "Left" as viewed coming from the observer's right or left.

TYPE - Spilling, plunging, or surging.

NO. OF ROWS - Number of rows of waves in the surf zone.

DIRECTION - True Az. of direction from which waves appear to approach the beach.

WIDTH - The width of the surf zone from outermost breakers to the limit of the uprush of water on the beach.

MAX. HT. - The height in feet of the highest breaker observed.

DEPTH OF BREAKING --- The still water depth in feet at the point where the waves break.

CURRENT - Direction of flow of the inshore current expressed in degrees as a true Azimuth.

KNOTS. - Speed of the inshore current.



# BEACH GRADIENTS

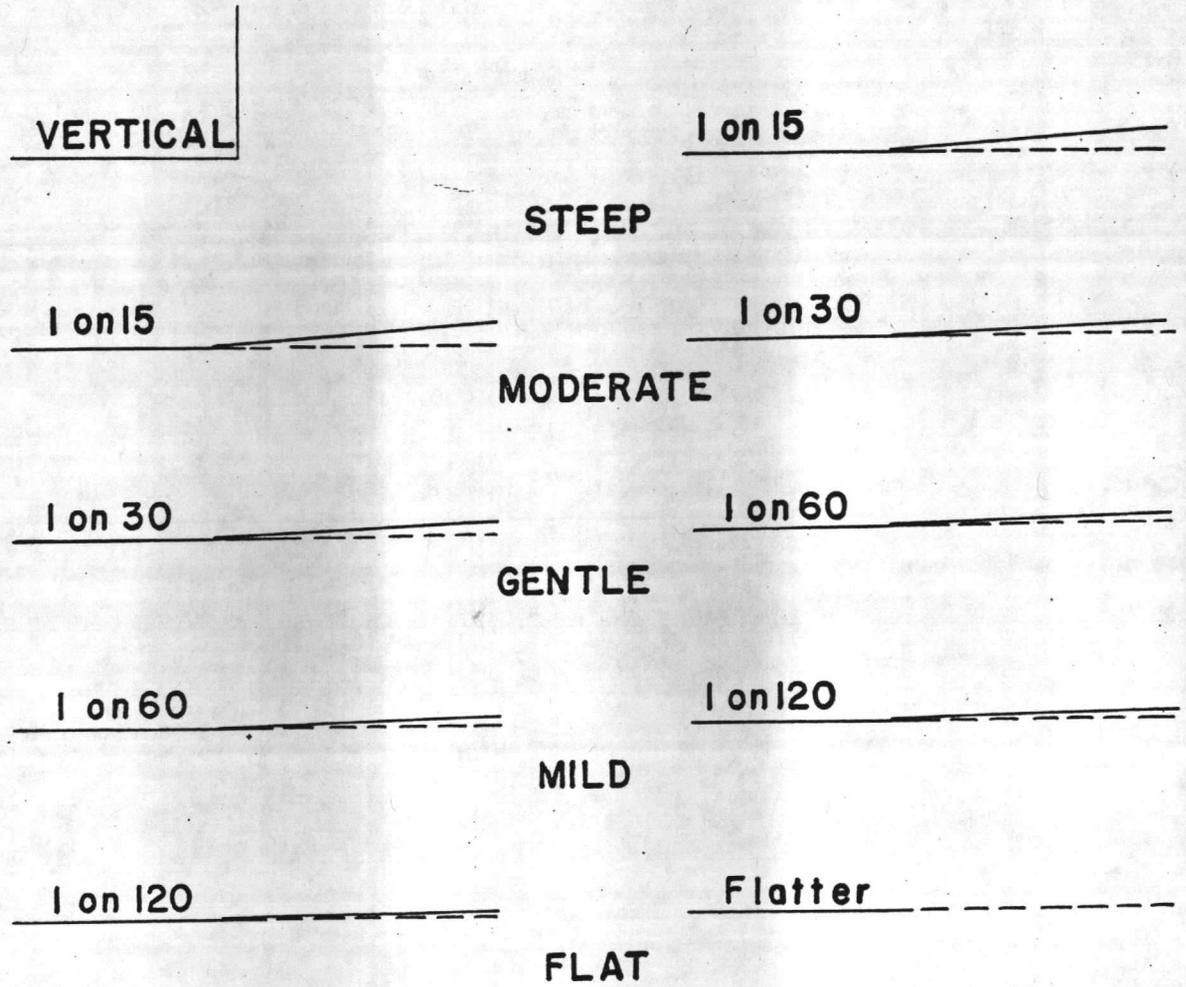


FIGURE 6.



# BEACH GRADIENTS

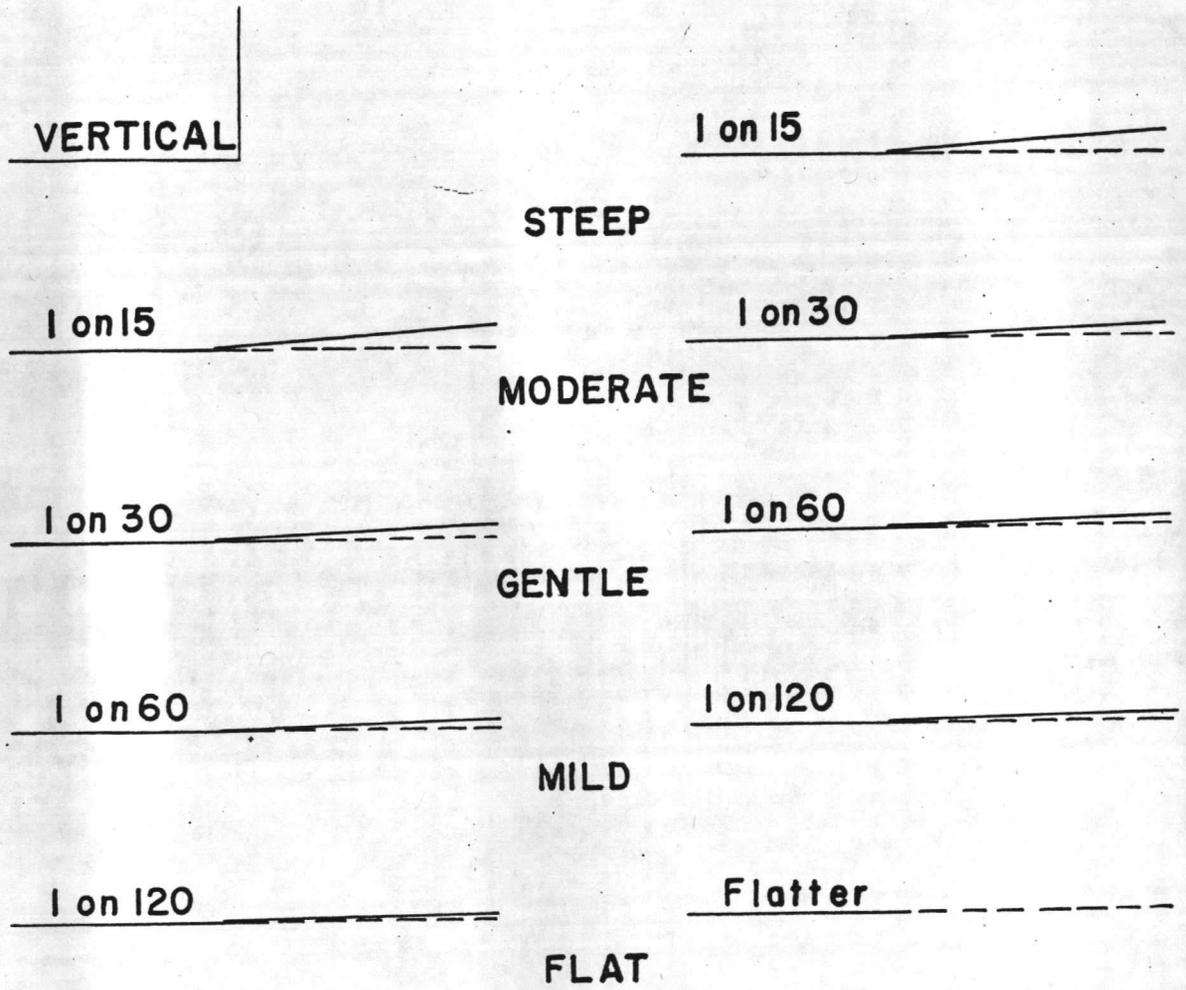
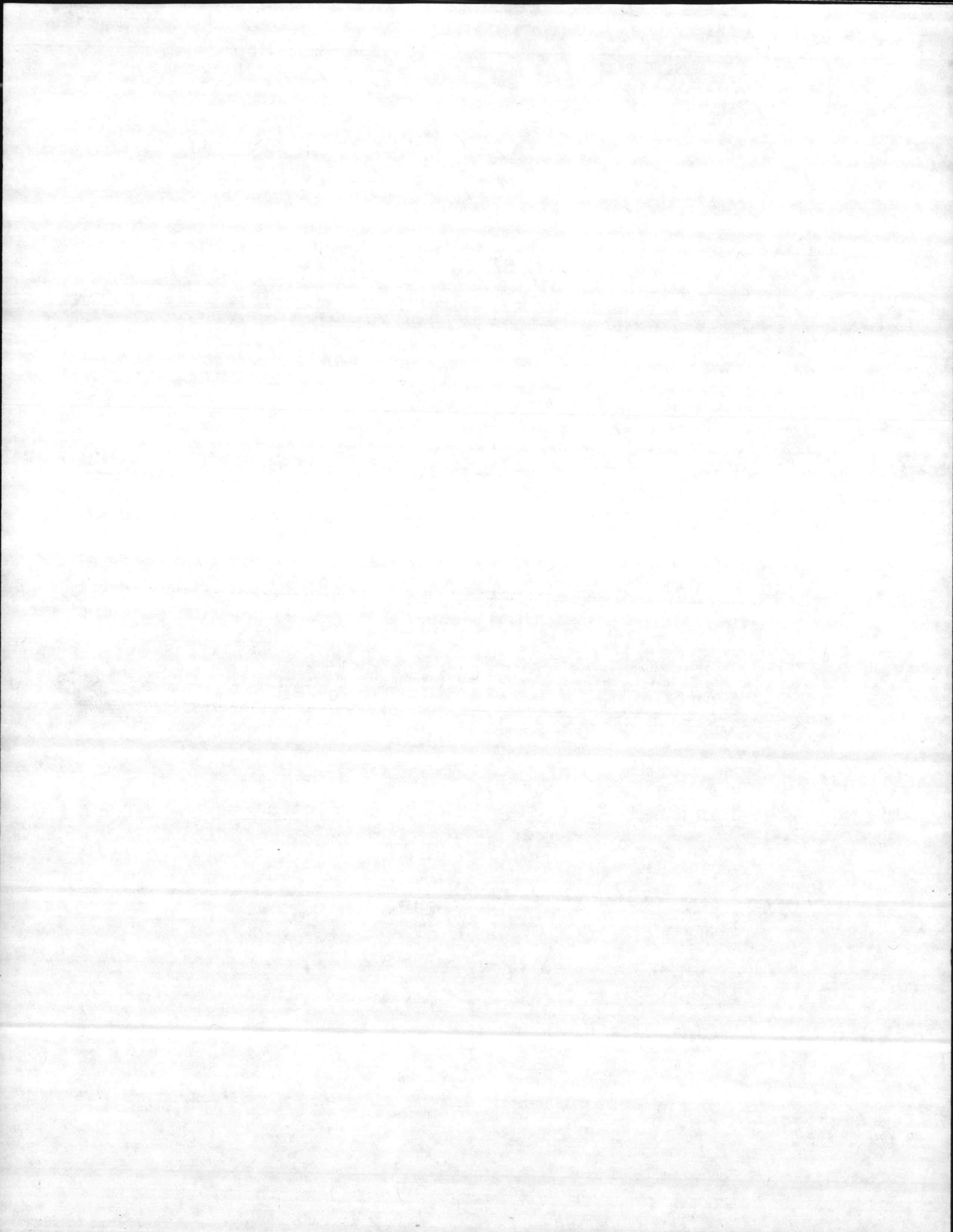


FIGURE 6.



# BEACH GRADIENTS

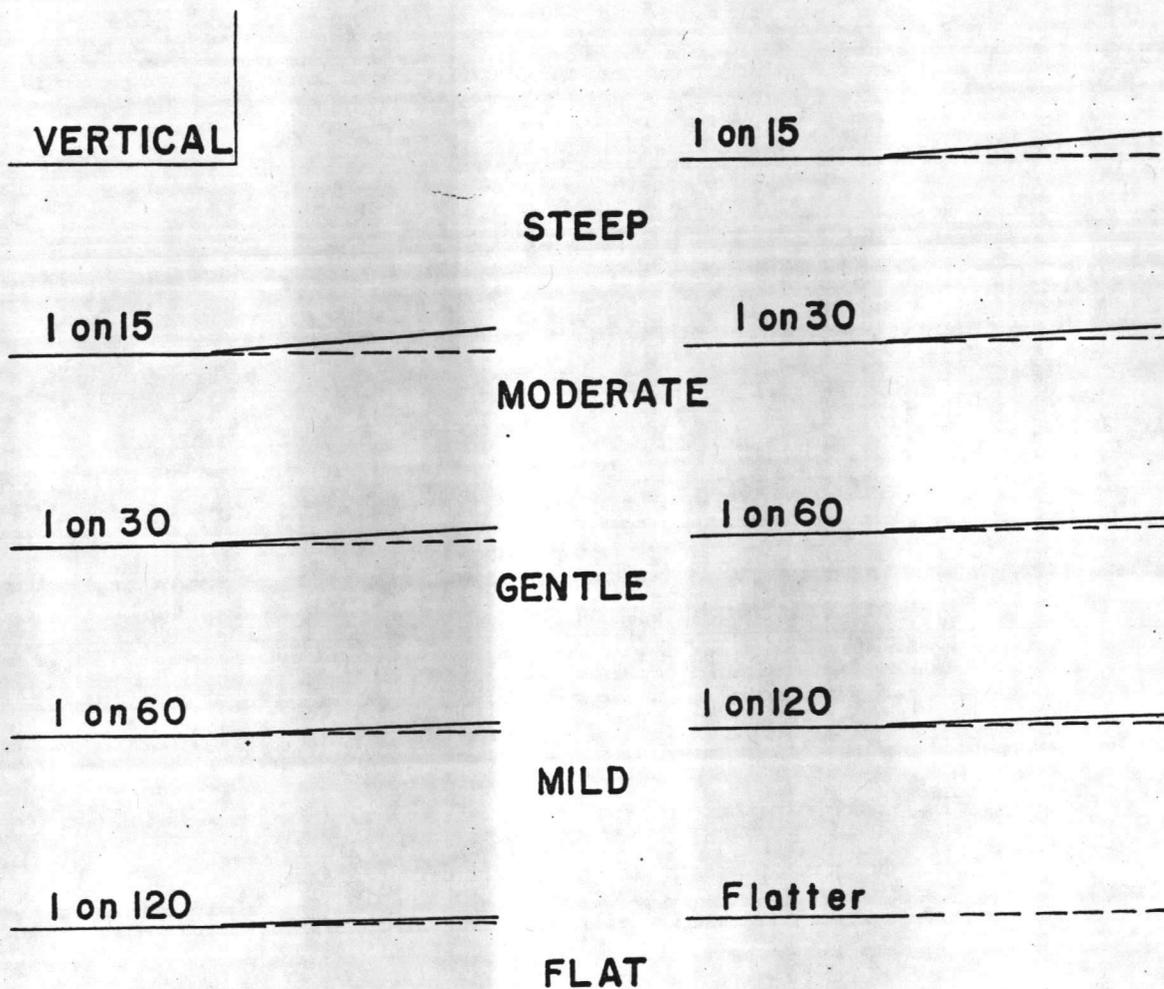


FIGURE 6.

