

CHAPTER I
SUEZ CANAL NAVIGATION FEATURES

SECTION 1
APPROACHES

Art. 8 - PORT SAID:

(See Admiralty Charts No. 234, 240 & 241

GENERAL:

The Vessels coming from sea fifteen miles before arrival to FAIRWAY Buoy (See part II ART. 82)-
(All buoys along the Canal and Access Channels may be other smaller size.) should contact the
Harbour Office by:

1. V.H.F. (channel 12 , 13 , 16 .
2. Ismailia Radio/SUQ

INMARSAT – A Telex : + 581-1622570

Fax : + 571-1622574

INMARSAT – B Telex : + 581-362213314

Fax : + 571-362213312

Tel. : + 571-362213312

INMARSAT – C Telex : + 581-462299911

V.H.F. CH. 68 (See Part III Art. 86)

FAIRWAY BUOY : Position :

Lat. . : 31 21' .32 N

Long. : 32 20' .81E

Characteristics : V . Q .

A- Anchorage Areas:

Vessels arriving from sea have to anchor in the berth allocated to them by the Suez Canal Port office.

(1) Northern Area: Comprises two zones:

a) Zone One : For vessels with draught over 42 feet .

This zone is limited as follows :

North Limit : Lat. 31 28' .50 N

South Limit: Lat. 31 27' .00 N

East Limit : Long. 31 20' .00 E

West Limit: Long . 32 18' .00 E

Vessels at anchor in this area, when entering the Eastern Channel, will proceed between the East and West buoys at Hm 215 (course 194).

Hm. 215:

East :

Lat. 31 26' .11 N

Long. 32 24' .61 E

West :

Lat. 31 26' .21 N

Long. 32 24' .16 E

Isophase (4 sec) (See P II for Canal and Lakes).

b) Zone Two: For VLCC's, ULCC's, Car Carriers, RoRo, Container ships, Bulk Carriers and vessels up to 42 feet.

This zone is limited as follows:

North Limit : Lat. 31 25' .00N

South Limit: Lat. 31 23' .20N

East Limit : Long. 32 20' .00 E

West Limit : Long . 32 16' .00 E

Vessels at anchor in this area, when entering the Eastern Channel, will proceed between the East and West Light buoys at Hm. 135.

East :

Lat. 31 26' .11 N

Long. 32 24' .61 E

West :

Lat. 31 26' .21 N

Long. 32 24' .16 E

Characteristics : See drawings Part II

The berths of this zone are called (V) berths and comprise the following :

Center of circle (Radius 750 meters)

Berth V1:	Lat . 31	23'.70 N
	Long. 32	19' .50 E
Berth V2:	Lat . 31	24'.50 N
	Long. 32	19' .50 E
Berth V3:	Lat . 31	23' .70 N
	Long. 32	18' .50 E
Berth V4:	Lat . 31	24'.50 N
	Long. 32	18'.50 E
Berth V5:	Lat . 31	23'.70 N
	Long. 32	17'.50 E
Berth V6:	Lat . 31	24'.50 N
	Long. 32	17'.50 E
Berth V7:	Lat . 31	23'.70 N
	Long 32	16'.50 E
Berth V8:	Lat . 31	24'.50 N
	Long. 32	16'.50E

(2) Southern Area :

For all other vessels with draught up to 42 ft. the area is limited as follows :

North Limit :	Lat . 31	22'.95 N
South Limit:	Lat . 31	21'.20 N
East Limit :	Long. 32	20'.40 E
West Limit :	Long . 32	16'.95 E

Vessels at anchor in this area, when entering the port of port Said through the West Approach Channel proceed as follows:

- a) Take on their starboard " Fairway Buoy ", (No.8) , (No.7) and (No. 6) Buoys**
- b) On their port there are 3 buoys :showing yellow lights, at Hm. 92 showing green light & at Hm. 83 showing yellow light.**

- c) On reaching No 5 pair of buoys at Hm . 80 showing F. Gr. & R. they will proceed through the West channel to port (Course 217.5 degree).

Berths in Southern area called (C) :

Center of Circle (Radius 500 meters).

Berth C1 :	Lat.	31	21'.50 N
	Long .	32	21' .00 E
Berth C2 :	Lat.	31	22' .10 N
	Long .	32	20' .10 E
Berth C3 :	Lat.	31	22' .70 N
	Long .	32	20'.10 E
Berth C4:	Lat.	31	21'.50 N
	Long .	32	19'.40 E
Berth C 5 :	Lat.	31	22'.10 N
	Long.	32	19'.40 E
Berth C 6 :	Lat.	31	22'.70 N
	Long.	32	19'.40 E
Berth C 7 :	Lat.	31	21'.50 N
	Long.	32	18'.70 E
Berth C 8 :	Lat.	31	22'.10 N
	Long.	32	18'.70 E
Berth C 9:	Lat.	31	22'.70 N
	Long.	32	18'.70 E
Berth C 10:	Lat.	31	21'.50 N
	Long.	32	18'.00 E
Berth C 11:	Lat.	31	22'.10 N
	Long.	32	18'.00 E
Berth C 12 :	Lat.	31	22'.70 N
	Long.	32	18'.00 E
Berth C 13:	Lat.	31	21'.50 N

	Long.32	17'.30	E
Berth C 14:	Lat. 31	22'.10	N
	Long.32	17'.30	E
Berth C15 :	Lat. 31	22'.70	N
	Long.32	17'.30	E

(3) Prohibited area for anchorage:

The area between the East Limit of the two anchorage areas and the approach channels is prohibited for anchorage to all vessels and floating units.

(4) Anchorage area for trans-shipment operations:

a) Vessels up to 60 feet draught:

North Limit:	Lat. 31	25'.00	N
South Limit:	Lat. 31	24'.00	N
East Limit:	Long. 32	27'.00	E
West Limit:	Long. 32	26'.00	E

b) Vessels over 60 feet draught:

North Limit:	Lat. 31	27'.00	N
South Limit:	Lat. 31	26'.00	N
East Limit:	Long. 32	28'.00	E
West Limit:	Long. 32	27'.00	E

(5) Dangerous Areas:

a) Wreck :

A wreck buoy is situated on the western side of a sunken ship at Hm . 195 west of the approach channels :

Lat.	31	25'.24	N
Long.	32	22'.98	E

Height 5 meters, painted black and red horizontal bands, with day mark 2 black balls , showing group FL.W. (2) every 10 sec.

b) Dumping areas:

The hopper dredgers dredge underway for several months every year the entrance channels and dump in the following areas:

- 3140 meters east of the axis of the East Channel at Hm . 140.

Lat. 31 20'.80 N

Long. 32 25'.80 E

- 4000 meters East of the axis of the East Channel at Hm. 80 approximately.

Lat. 31 18'.70 N

Long. 32 24'.70 E

B- Port Said Approach Channels:

(1) Buoyage (See Drawing Part II)

The Port Said West approach channel extends from the port of Port Said until Hm. 80 where it joins the east approach channel (Height of the buoy at Hm. 80 Green is 10 meters).

The Port Said East Approach Channel extends from the land boundary, east of Port Said, until Hm. 215.

The two channels are marked, on each side, by light buoys of 5 meters height (except from Hm. 215 until Hm. 83 east channel, the height of the buoys is 10 meters). The light is Red on the eastern side and Green on the western side.

The buoys are as follows:

a) East approach channel: (See Drawing For Canal and Lakes).

The East Approach channel is buoyed as follows:

- In the West: Green Daymark: Cone point up . FL. Gr. Lights.

- In the East: Red, Daymark: Can FL. R. Lights.

The 2 buoys indicating the northern end of the channel, at Hm. 215, are Isophase (2 sec. ON, 2 OFF), The distance between them is 745 meters.

b) Junction of east and west approach channels:

Three buoys mark the junction of the East and West approach channels . They are placed at Hm . 83, Hm , 95 and Hm . 105

- 1- Buoy at Hm . 83 : Yellow and Black in Colour , is fitted with N- Cardinal 2 Cones point up daymark and shows by night Q. FL.W (5) every 20 sec.
- 2- Buoy at Hm . 92 : Green in Colour , shows a FL.GR. light .
- 3- Buoy at Hm . 105: Yellow in Colour, is fitted with a yellow ST. Andrews Cross daymark and shows by night Group FL.Y(4) every 15 sec.

c) West approach channel :

**The buoyage of the west approach channel of port Said harbour,
is as follows:**

1- Port Said " Fairway Buoy ":(See Drawing Part II)

**Off Port Said, a fairway light buoy , height 10 meters, painted Black with
Yellow horizontal stripes , surmounted by a daymark 2 cones point up, and
showing Q.**

Lat. 31 21'.32 N

Long. 32 20'.81 E

- Buoy No . 8 Green Daymark : Cone point up . F.Gr. Light.

Lat. 31 21'.13 N

Long. 32 21'.04 E

- Buoy No. 7 Green Daymark : Cone point up . F. Gr. Light.

Lat. 31 20'.52 N

Long. 32 21'.31 E

- Buoy No. 6 Green Daymark : Cone point up . F. Gr. Light.

Lat. 31 19'.09 N

Long. 32 21'.58 E

2- The west approach channel : is buoyed as follows :

- In the west : Green Daymark : Cone point up. F.Gr. Light.

- In the east : Red, Daymark : Can F.R. Light.

- Buoy No. 5 of Hm. 80 East Red : Daymark : Can. F.R

Lat. 31 19'.13 N

Long. 32 22'.11 E

- Buoy No. 5 of Hm. 80 West Green : Daymark : Cone F.Gr.

Lat. 31 19'.30 N

Long. 32 21'.85 E

d) El bahar Tower: (See Drawing Part II)

The base of old tower is still existing at position located :

Lat. 31 18'.08N

Long. 32 21'.57 E

2 - Navigation:

a) Northbound Vessels :

1- All northbound vessels use the east approach channel. The end of the Navigable channel is marked by 2 pair of Buoys at Hm. 215, Course: 014. From Hm. 215, vessels are to steer North (000 degree) for 5 miles before altering to destination.

2- Vessels leaving Port Said harbour to sea, use the west approach Channel Course : 037.5 till Hm. 80 (Buoys No. 5) then steer (000 degree) to 5 miles north of the buoy of Hm.195 west :

Lat. 31 25'.16 N

Long.32 23'.85 E

Before altering to destination.

3- Vessels of the northbound convoys wishing to enter Port Said Harbour may proceed rough the west channel (direct to their allocated berth in Port Said Harbour, only If the situation of traffic permits. Otherwise they have to proceed through the east approach channel till Hm. 195, then steer north (000 o) for 5 miles and head for the anchorage berth allocated by the Harbour office. (This is to avoid crossing incoming vessels to the northern anchorage area).

b) Southbound vessels :

The maximum draught authorized for southbound vessels is limited to 42 feet (Southbound vessels may be authorized to transit with a draught from 42 feet up to 62 feet with special arrangement.)¹ (The Canal is still under expansion to receive vessels up to 66 feet draught)² on condition to comply with the tables of p. 72 giving the maximum draught according to the vessel's beam.

1 - VLCC's ULCC's in ballast or partially loaded,deep draught Containerships, LASH over 35.000 SC.G.T, L.P.G & L.N.G.(Loaded or N.G.F) and vessels having a draught of more than 42 feet and up to 56 feet maximum, have to use the east approach channel, Course : 194 degree . The said vessels enter the channel between FL.GR. buoys of Hm. 165 and Hm. 135.Vessels with draught over 50 ft. and up to 62 ft. must enter the approach channel between FL. GR. Buoy of Hm 215.

2- All other vessels, transiting the Canal or berthing at Port Said, have to enter through the west approach channel. Course : 180 degree from the entrance, passing between the west green buoys and the east yellow buoys till Hm. 80, then alter course to 217.5 degree passing between green and red buoys, till Port Said Harbour. A fixed red light on a pylon on the North Quay of Abbas Basin in line with an occulting red Light on a pylon West of the Fuel Oil Tanks at Raswa, indicates the axis of the entrance channel to the harbour.

C- Breakwaters:

- (1) The West approach channel is protected by two breakwaters :
 - a) The Western breakwater protecting the west approach channel is situated to the west of the channel and extends from land boundary till Hm. 73 with a submerged part from Hm.43. This part is marked by cigar shaped unlit buoys.
 - b) The eastern breakwater extends from land boundary till Hm. 21.2 and has an occulting red light at its northern end.
- (2) Two breakwaters protect the east approach channel. The eastern extends for 2Km from the land boundary, and the Western extends for 0.53 Km from the land boundary. Each breakwater has a small fixed white light on its end.

Art. 9 - Suez: (See Drawing Part II).

Five miles before arrival to the first separation Zone Buoy, all vessels coming from sea should contact the Suez Canal Harbour Office by

- V.H.F. (channel 14, 16,)
- Ismailia Radio/SUQ.

INMARSAT – A Telex : + 581-1622570

Fax : + 571-1622574

INMARSAT – B Telex : + 581-362213314

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INMARSAT – C Telex : + 581-462299911

V.H.F. CH. 68 (See Part III Art. 86)

A -Separation Zone:

A separation zone has been established, extending 0.3 mile on each side of the line connecting the two separation buoys mentioned hereafter. All vessels arriving or leaving have to pass the separation zone Buoys on their Port Side.

The separation zone buoys are:

(1) Separation zone buoys No. 1 (Southern buoy):

Lat. 29 39'.49 N

Long. 32 23'.42 E

Height 6 meters, R. W. colour with top mark Red ball and a fog horn. Showing LF1 10s and fitted with 5 miles Racon. (O). (3.10 cm).

(2) Separation zone buoys No. 2 (northern buoy) :

Lat. 29 48'.55 N

Long. 32 32'.12 E

Height 6 meters, R. W. Top mark Red ball, showing Iso 6s with 5 miles Racon. horn (D) (3.10 cm).

B -Anchorage areas:

The incoming vessels have two anchorage areas :

(1) " V " Area :

For VLCC's, ULCC's, Deep draught Containerships, vessels over 38 feet draught, L.P.G and L.N.G. vessels (loaded or N.G.F.) this area is indicated by :

a) The Conry Rock Buoy :

Lat. 29 48'.11 N

Long. 32 34'.22 E

Height 5 meters, black double cone points inward, Y . B . Y West Mark showing Q (9) 15s

b) South Shoal Buoy :

Lat. 29 38'.87 N

Long. 32 35'.98 E

Black, cone point up inward, showing Q (9) 15s

Berths of this area are called "V" . Center of circle (Radius 833 meters).

Berth V1 : Lat. 29 46'.50 N

Long. 32 35'.00 E

Berth V2 : Lat. 29 45'.50 N

Long. 32 35'.00 E

Berth V3 : Lat. 29 45'.50 N

Long. 32 36'.00 E

Berth V4 : Lat. 29 45'.00 N

Long. 32 37'.00 E

Berth V5: Lat. 29 44'.50 N

Long. 32 36'.00 E

Berth V6 : Lat. 29 44'.50 N

Long. 32 35'.00 E

Berth V7 : Lat. 29 44'.00 N

Long. 32 37'.00 E

Berth V8 : Lat. 29 43'.50 N

Long. 32 36'.00 E

Berth V9 : Lat. 29 43'.50 N

Long. 32 35'.00 E

(2) East Waiting area :

For other vessels :This Area is limited by the following buoys :

a)Conry Rock :

Lat. 29 48'.11 N

Long. 32 34'.22 E

Height 5 meters, Y . B . Y West Mark showing Q(9) 15s

b)Buoy " M " :

Lat. 29 50'.00 N

Long. 32 35'.29 E

Height 5 meters, yellow cross and showing F.Y.

c)Buoy " N " :

Lat. 29 50'.63 N

Long. 32 35'.29 E

Height 5 meters, yellow cross and showing Qk.F.Y.

d)Buoy " D " :

Lat. 29 51'.28 N

Long. 32 35'.29 E

Height 5 meters, yellow cross and showing F.Y.

e)Buoy " C " :

Lat. 29 51'.93 N

Long. 32 35'.29 E

Height 5 meters, yellow cross and showing FL.Y.

f)Buoy " B " :

Lat. 29 52'.06 N

Long. 32 34'.54 E

Height 5 meters, yellow cross and showing F.Y.

G) Buoy " A " :

Lat. 29 52'.17 N

Long. 33 33'.86 E

Height 5 meters, Yellow Cross and showing F.Y.

h) Buoy Hm. 60.00 East

Hm.60.00 West :

Lat. : 29 52'.27 N

Lat. : 29 52'.26 N

Long. : 32 33'.16 E

Long.: 32 32'.96 E

Height 5 meters,

Red Can and showing FL. R.

Height 5 meters, Green

Cone point up, and showing FL. Gr.

i) Buoy Hm. 70.50 East

Hm. 70.50 West :

Lat. : 29 51' .70 N

Lat. : 29 51' .69 N

Long.: 32 33' .26 E

Long.: 32 33' .05 E

Height 5 meters,

Red Can and showing FL. R.

Height 5 meters, Green

Cone point up, and showing FL. Gr.

j) Buoy Hm. 80.50 East

Hm. 80.50 West :

Lat. : 29 51' .16 N

Lat. : 29 51' .15 N

Long.: 32 33' .33 E

Long.: 32 33' 13 E

Height 5 meters,

Red Can and showing Occ. R. 4 sec.

Height 5 meters, Green

Cone point up, and showing Occ. Gr. (1) 4 sec.

k) Position " R " :

Lat. : 29 48' .52 N

Long.: 32 33' .18 E

(3) West Waiting area :

This area for ships waiting for orders, bunkering, repairs, Adbia and Suez Port entering, ... etc. Except L.P.G. and L.N.G. ships.

— West limit : Long. 32 31 .60

— East limit : New Port Rock channel and West limit for Prohibited area.

— North limit : Lat. 29 52' .12

— South limit : Lat. 29 49' .75

C -Anchorage area for trans-shipment operations "S.T.S":

(1) " A " area :

Lat. : 29 43' .00 N

Long.: 32 37' .00 E

Lat. : 29 43'.00 N

Long.: 32 38'.00 E

Lat. : 29 42'.00 N

Long.: 32 37'.00 E

Lat. : 29 42'.00 N

Long.: 32 38'.00 E

(2)" B " area :

Lat : 29 37'.00 N

Long : 32 37'.00 E

Lat : 29 37'.00 N

Long : 32 38'.00 E

Lat : 29 36'.00 N

Long : 32 37'.00 E

Lat : 29 36'.00 N

Long : 32 38'.00 E

D -Arrival to Suez for northbound vessels:

Vessels coming from sea to transit the Suez Canal or enter the Port of Suez, have to pass east of the separation zone. VLCC's, ULCC's Deep draught Container ships, L.P.G., L.N.G., vessels over 38 feet up to 62 feet draught have to anchor in the anchorage area specified for these vessels (" V " berths) in the berth allocated to each vessel by the SCA. Other vessels have to pass east of the separation zone and anchor in the waiting area as previously indicated. (E., W., AREAS)

E -Prohibited area for anchorage:

It is strictly forbidden for all Northbound vessels to anchor in the area limited as follows :

(1) In the north :

Two buoys marking the dredged channel position at Hm. 80.50:

Western Buoy : Lat . 29 51'.15 N

Long 32 33'.13 E

Hm. 44.40

Hm. 24.00

Hm. 14.00

Hm. 7.00

Km. 162.150 (Occ.Gr.).

b) On the western side : The buoys are red, Can daymark, and showing F1.red.

They are placed in the following locations :

Hm. 70.50

Hm. 60.00

Hm. 44.40

Hm. 21.00

Hm. 17.20

Hm. 1.00 (Occ.Red.).

Course : From the Entrance Buoys (Hm. 80.50), (New Port Rock Channel), till the Green light buoy of Hm. 24.00 :

Northbound course is 352.5 degree

Southbound course is 172.5 degree

G -Canal south entrance:

The Canal south entrance is marked by two light buoys of 7 meters height :

(1)The Eastern Buoy at Km. 162.150: is Green, cone point UP and showing occ. Green light every 4 sec.

(2)The western buoy at Hm. 1.00: Red, Can daymark and showing occ. Red light every 4 sec.

H -Port of Suez:

(1) Navigation :

a)General rules :

1- All vessels shall conform to the International Regulations for Preventing Collisions at Sea. (COLREGS).

2- Navigation in the port is limited to approved channels only.

3- Crossing or overtaking at the channels is strictly forbidden.

4- Vessels must proceed in the port with caution and at a reduced speed.

5- Vessels must not let go their anchors except in the anchorage areas.

b) Traffic Regulations:

1- Vessels entering or leaving the port :

For vessels entering the port from sea and vessels leaving the port for sea, all movement shall be effected through the western channel, except for vessels anchored in 1C, 2C, 3C, 4C, 5C, which should use the eastern channel.

2- Vessels entering the Canal :

-From the Port and from Zone North West. of Green Island, they must comply to the following :

Anchorage 8C to 16C and anchorage groups A and B. (For positions of anchorage's groups see plan Part II).

Vessels shall pass through the western channel, then south of Green Island to join the eastern channel and then proceed to the entrance of the Canal.

-From zone northeast of green island :

Anchorage 1C to 7C

Vessels shall proceed directly from their anchorages to the entrance of the Canal. If the number of vessels exceeds the number of anchorages, vessels in excess shall anchor south of the western channel, parallel to anchorages 2A, 4A, 6A, 4B, 7B, making sure to leave the western channel clear for navigation at all times.

- From zone South of Green Islands :

Anchorage 1D to 6D: (For positions of anchorage's groups (see plan Part II).

Vessels shall proceed directly from the anchorages to the Canal or to sea through the eastern channel.

3 - Vessels leaving the Canal :

- Direct to sea :

They shall proceed through the eastern channel.

- Anchoring in the Port :

Anchorage Groups A & B. Zone N. W. of Green Island 8C to 16C :

They shall proceed through the Eastern channel, then the Western channel and shall follow it till the place fixed for their anchorage.

Zone N. E. of Green Island from 1C. to 7C. :

Vessels shall come out of the Canal and proceed directly to this area.

c) Priority of movement at the Port :

Priority of movement in the port shall be as follows :

- 1 - Vessels leaving the Canal.**
- 2- Vessels proceeding to the Canal.**
- 3 -Vessels leaving the anchorages of the Port of Suez.**
- 4 -Vessels coming out of the Basins (Ibrahim Basin - Adabeya - Petroleum Basin).**
- 5 -Vessels using the New Petroleum Jetty.**
- 6- Vessels coming from sea must wait outside the port till the Eastern Channel is clear.**

d) Priority of Passage in the Eastern Channel :

- 1 - Vessels leaving the Canal.**
- 2- Vessels in anchorages of Port of Suez, and proceeding Southward to sea, have to pass through the Eastern Channel. Ships approaching Port of Suez From Sea should wait outside until the Channel is clear.**

e) When harbour is Closed due to Bad Weather :

- 1 - Vessels coming from sea :**

It is recommended not to enter the Port of Suez when it is closed due to bad weather which prevents the pilots from boarding the vessels.

However, any vessel which would like to enter on her own responsibility will have to contact the SCA wireless station (SUQ) and ask permission for doing so, giving her draught and length in feet, by the following cable :

" I wish to enter Suez Anchorage on my own responsibility.

Length ... Draught ... feet".

If permission is granted, the Master will receive the following cable.

" Port is closed. Entering on your own responsibility. Available anchorage...".

- 2 - Vessels leaving the SC :**

In case when the embarkation of the Roads pilot is not possible, the following cable will be sent to the ship :

"Owing to bad weather Roads pilot will not board your ship"

The following will be added in case the vessel would ask for an anchorage :

" Available anchorage ... ".

3 - Vessels Anchored in the Port of Suez Leaving for Sea :

Vessels, which would like to sail on their responsibility, will have to hoist the signal for pilot, send the following cable to SUQ and wait for orders.

" I wish to go to sea on my own responsibility. Please Confirm".

They may proceed if they receive the cable :

" You may proceed to sea on your own responsibility "

(2) Buoyage :

a) Buoy 2A 281.5 degree - 20.9 cables from New Port Rock Light showing FL 2R5s

b) Buoy 3A 278.5 degree - 26.9 cables from New Port Rock Light showing OCC. R5s.

c) Buoyage of Port of Suez position of Green Island Light :

Lat. 29 54'.59 N

Long. 32 31'.80 E

1- Eastern channel (East of Green Island) is limited by the following buoys:

- In the East :

Buoy	from Green Island Light	Distance
Hm. 7.00 East	062 degree	2440 m.
Hm. 14.00 East	080 degree	1820 m.
Hm. 24.00 East	111 degree	1720 m.
Hm. 44.00 East	144 degree	3300 m.
Hm. 60.00 East	153 degree	4720 m.
Hm. 70.50 East	166 degree	5720 m.
Hm. 80.50 East	159 degree	6680 m.

- In the West :

Buoy	From Green Island Light	Distance
Hm. 1.00 West	050 degree	2600 m.
Hm. 17.20 West	082 degree	1390 m.
Hm. 21.00 West	108 degree	1260 m.

Hm. 44.40 West	150 degree	3110 m.
Hm. 60.00 West	157 degree	4640 m.
Hm. 70.50 West	160 degree	5630 m.
Hm. 80.50 West	162 degree	6630 m.

2 -Shallow water in the Green Island Zones is limited as follows :

- North Buoy bearing 000 degree at a distance of 1490 meters from Green Island Light, Black double cone top marks points up, black band above Yellow band (B.Y) showing Q.FL.
- Red Buoy of Hm. 17.20
- Red Buoy of Hm. 21.00
- South West Buoy bearing 239.5 degree at a distance of 780 meters from Green Island Light, Black double cone top marks points up, black band above Yellow band (B.Y) showing { Q(6) + L.FL.15s }
- West Buoy bearing 308 at a distance of 820 meters from Green Island Light black band with Yellow bands above and below with black double cone top marks point inward (Y.B.Y) and showing [Q (9) 15 s]
- Oil Jetty Yellow buoy showing flashing Yellow every 4 sec..

(3) Anchorage Area :

- Group " A " :

- 1A 306.5 degree , 6.1 cables to Green Island Light.
- 2A 330 degree , 7.2 " " " "
- 3A 331.5 degree , 4.1 " " " "
- 4A 357 degree , 6.3 " " " "
- 5A 018 degree , 3.8 " " " "
- 6A 023 degree , 6.8 " " " "
- 7A 050 degree , 5.8 " " " "
- 8A 042 degree , 8.7 " " " "
- 9A 062.5 degree , 8.1 " " " "
- 10A 084 degree , 7.2 " " " "

- Group " B " :

1B 102.5 degree , 14.3 cables to Green Island Light.

2B 093 degree , 12.0 " " " "

3B 079 degree , 12.5 " " " "

4B 064.5 degree , 13.8 " " " "

5B 090.5 degree , 15.1 " " " "

6B 098.5 degree , 17.3 " " " "

7B 075 degree , 16.8 " " " "

8B 095.5 degree , 20.2 " " " "

9B 086 degree , 20.3 " " " "

10B 080 degree , 15.0 " " " "

11B 090 degree , 17.8 " " " "

12B 091 degree , 22.0 " " " "

13B 079 degree , 19.2 " " " "

- Group " C " :

1C 218.5 degree , 11.8 Cables to Green Island Light.

2C 208.5 degree , 11.6 " " " "

3C 188 degree , 11.4 " " " "

4C 234.5 degree , 8.6 " " " "

5C 213.5 degree , 8.1 " " " "

6C 170.5 degree , 9.6 " " " "

7C 161 degree , 10.8 " " " "

8C 159 degree , 9.0 " " " "

9C 143 degree , 9.4 " " " "

10C 143.5 degree , 12.4 " " " "

11C 134 degree , 12.0 " " " "

12C 145 degree , 6.58 " " " "

13C 123 degree , 6.5 " " " "

14C 105.50 , 6.7 " " " "

15C 100 degree , 4.7 " " " "

16C 075 degree , 4.8 " " " "

- Group " D " :

1D 345.5 degree , 12.7 cables to Green Island Light.

2D 004 degree , 12.4 " " " "

3D 021 degree , 13.1 " " " "

4D 033 degree , 14.7 " " " "

5D 043 degree , 16 " " " "

6D 047 degree , 18.3 " " " "

- Group " H " :

1H 296.5, degree. , 12.5 cables to Green Island Light.

2H 306 , degree. , 14.8 cables to Green Island Light.

- Adabeya Anchorage :

1 059 degree , 28.3 cables to Green Island Light.

2 054.5 degree , 28.8 " " " "

Art.10 - Roads and Harbour Pilot Signals:

Vessels requiring a pilot for :

(1) Entering from sea.

(2) Sailing out to sea.

(3) Changing berth.

(4) Entering the Canal.

Should hoist a Black Ball over G by day and 3 White Lights by night in a vertical line. These signals are to be hoisted where they can best be seen.