

CHAPTER 3

COAST OF CHINA FROM CHENGSHAN JIAO TO YALUJIANG KOU
(AMNOKKANG KU) INCLUDING BOHAI HAIXIA AND APPROACHES

GENERAL INFORMATION

Scope of the chapter**3.1**

- 1 This chapter covers the N coast of Shandong Bandao from Chengshan Jiao (37°23'·70N 122°42'·18E) to Penglai Tou (37°49'·93N 120°44'·58E), 97 miles W, and the several channels of Bohai Haixia with their approaches, and the S coast of Liaodong Bandao from Laotieshan Xijiao (38°43'·64N 121°08'·09E), to the approaches to Yalu Jiang, known in Korea as Amnok Kang, (39°46'·00N 124°07'·00E). The chapter is arranged as follows:
- 2 Through routes - Chengshan Jiao to Bohai Haixia (3.5).
Offshore route - Chengshan Jiao to Yalu Jiang (Amnok Kang) (3.32).
Chengshan Jiao to Sang Dao (3.37).
South coast of Liaodong Bandao, Changshan Qundao and Yalu Jiang (3.150).

Satellite-derived positions**3.2**

- 1 See 1.32.

Natural conditions**3.3**

- 1 **Flow.** A branch of the Tsushima warm current sets N into Huang Hai (Yellow Sea) at an average rate of 0·1 kn, being at its strongest in summer. A small part

of this current sets W through Bohai Haixia. Throughout the year a coastal current sets E along the N coast of Shandong Bandao and around Chenshan Jiao. The surface currents are considerably affected by the prevailing winds.

- 2 **Tidal streams** are complicated by the coastal configuration, with the rising tide setting in a general N direction into this part of Huang Hai, and then W through Bohai Haixia. The tidal streams are mostly reversing and generally follow the direction of the shore. They attain a rate of about 1½ kn, but may attain 2 kn or more at spring tides.

- 3 **Ice** may form along the N shore of Huang Hai from the middle part of November to the end of March. It does not normally occur along the N coast of Shandong Bandao, but Yantai Gang (37°34'·20N 121°24'·00E) has been known to freeze over. Drift ice may be met, during January to March, in the narrow part of Bohai Haixia.

Buoyage in winter**3.4**

- 1 During the winter months a number of buoys, particularly in port approaches and waters, are removed or replaced by ice buoys in N area of Yellow Sea. Details may be promulgated by local *Notice to Mariners*.

THROUGH ROUTES — CHENGSHAN JIAO TO BOHAI HAIXIA

General information**Area covered****3.5**

- 1 The areas covered in this section are the direct offshore routes from the TSS precautionary area N of Chengshan Jiao to Miaodao Haixia, Changshan Shuidao and Laotieshan Shuidao, the three channels through Bohai Haixia that are permitted for foreign vessels, see 3.6. It is arranged as follows:
- 2 Chengshan Jiao through Changshan Shuidao to Bohai Haixia (3.10).
Chengshan Jiao through Laotieshan Shuidao to Bohai Haixia (3.23).

Routes**3.6**

- 1 Foreign vessels are permitted to use only three of the channels through Bohai Haixia as follows:
Changshan Shuidao (3.10),
Laotieshan Shuidao (3.30) to the N of Miaodao Qundao, and;
Miaodao Haixia (3.133); vessels of 200 gt or less only are permitted to use this channel.

Vessel traffic services**3.7**

- 1 VTSs are in operation for Chengshan Jiao (2.173), Changshan Shuidao (3.10), Laotieshan Shuidao (3.30) and are compulsory for most vessels. Use of the Yantai VTS (3.97), Beichangshan Shuidao VTS or

Dalian VTS is compulsory for vessels passing through its area. For details see *ADMIRALTY List of Radio Signals Volume 6(6)*.

Traffic regulations**3.8**

- 1 **Traffic separation schemes**, with precautionary areas in the approaches, are established off Chengshan Jiao (2.169), and through Changshan Shuidao (3.12) and Laotieshan Shuidao (3.26).
Restricted areas. Anchoring and fishing are prohibited due to the presence of submarine cables in the E and W approaches to Bohai Haixia and in Changshan Shuidao as indicated on the chart.
- 2 **Prohibited areas.** The following areas are closed to foreign shipping:

The areas of Bohai Haixia outside the permitted channels, see 3.133.

An area 7 miles in radius around Beihuangcheng Dao Light (38°23'·69N 120°54'·60E).

An area 10 miles in radius to the S and E of Laotieshan Xijiao Light (38°43'·64N 121°08'·09E) and to 5½ miles W.

Marine farms**3.9**

- 1 Marine farms for the cultivation of shellfish and kelp, and numerous fishing nets exist in Bohia Haixia, mainly in the prohibited areas (see 3.8), especially during the fishing season from June to September. Mariners should proceed with caution.