

Bohai Sea Study Project

Tetsuo Yanagi

Research Institute for Applied Mechanics, Kyushu University

The intensive field observation was carried out at 15 stations in the southern part of the Bohai Sea (shown in Fig.1) from 14 September to 19 September 2004 using two fishing boats, one of which is shown in Fig.2. CTD, ADCP and sun photon observations were conducted at 15 stations using one fishing boat. Water sampling for biochemical parameters such as nutrients, chlorophyll *a*, suspended sediments, DO, pH, TN, TP and so on was also conducted at 15 stations using another fishing boat. In addition to such horizontal and vertical distribution observations, continuous CTD measurement every hour, continuous water sampling every two hours and continuous ADCP observation every one minute were carried out at Sta.7 during 27 hours from 11:00 PM 15 September to 2:00 AM 17 September 2004.

Field observation was successfully finished and the data analysis is conducting now. The obtained data will be used to clarify the physical, chemical and biological characteristics of the Bohai Sea related to the Yellow River discharge and to verify the hydrodynamic and ecosystem models which are under developing now.

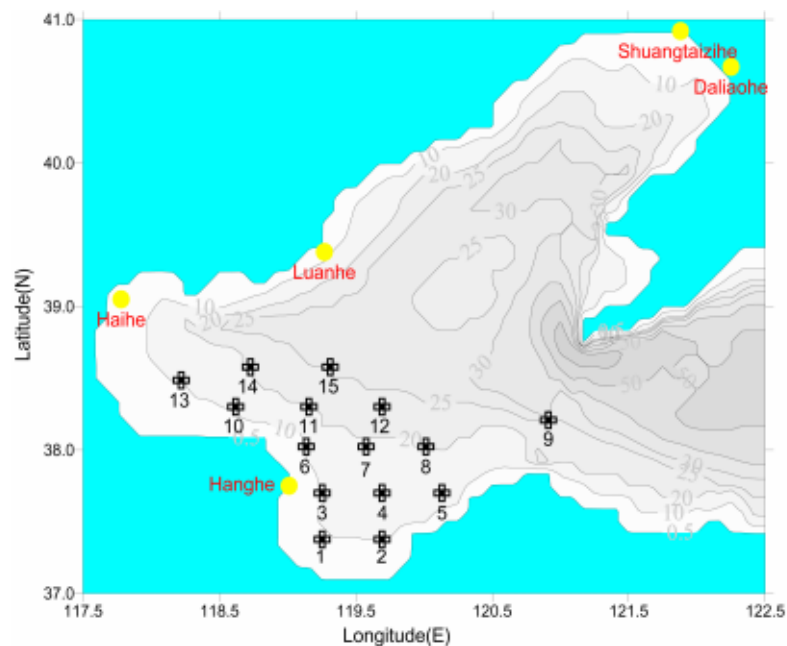


Fig.1 Observation stations in the southern part of the Bohai Sea



Fig.2 Fishing boat for the field observation in the Bohai Sea