

Main public routes along the coast of Zhejiang

1. Outer Route

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Recommended Route width / XTD (nm)
	latitude (N)	longitude (E)			
1	30°44.00'	123°16.00'	202	36.76	3 nautical miles on both sides of the centerline
2	30°10.00'	123°00.00'	196	80.12	
3	28°53.00'	122°35.00'	211.5	132.20	
4	27°00.00'	121°17.50'	/	/	

2. Outer Route Branch (Changjiangkou

estuary-Waishuaijiao)

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Recommended Route width / XTD (nm)
	latitude (N)	longitude (E)			
1	30°47.00′	123°00.00′	180	37.04	1.5 nautical miles on both sides of the centerline
2	30°10.00′	123°00.00′	/	/	
This section of route serves vessels entering and leaving Changjiangkou or ports in Northern Zhejiang。					

3. East Route

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Recommended Route width / XTD (nm)
	latitude (N)	longitude (E)			
1	30°51.60'	122°32.00'	156	12.48	2 nautical miles on both sides of the centerline
2	30°40.20'	122°37.90'	182.5	28.24	
3	30°12.00'	122°36.50'	173.5	32.84	
4	29°39.40'	122°40.85'	210.5	65.98	
5	28°42.50'	122°02.70'	186	18.61	

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Recommended Route width / XTD (nm)
	latitude (N)	longitude (E)			
6	28°24.00'	122°00.50'	215.5	102.90	
7	27°00.00'	120°53.60'	/	/	

4. East Route Branch

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Recommended Route width / XTD (nm)
	latitude (N)	longitude (E)			
1	30°49.00'	122°19.50'	171	11.14	
2	30°38.00'	122°21.50'	122	16.05	1 nautical miles on both sides of the centerline
3	30°29.50'	122°37.30'	/	/	

5. West Route

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Recommended Route width / XTD (nm)
	latitude (N)	longitude (E)			
1	30°48.50'	122°18.30'	201.5	16.89	
2	30°32.80'	122°11.10'	262	11.49	1 nautical miles on both sides of the centerline
3	30°31.20'	121°57.90'	225	14.09	
4	30°21.20'	121°46.40'	159	15.25	
5	30°07.00'	121°52.80'	152	2.16	
6	30°05.10'	121°53.98'	147	1.07	
7	30°04.20'	121°54.65'	139.5	1.09	
8	30°03.37'	121°55.47'	145	1.32	
9	30°02.29'	121°56.34'	156	4.37	
10	29°58.30'	121°58.4'	137	4.02	
11	29°55.37'	122°01.58'	090	5.32	
12	29°55.37'	122°07.71'	155	2.84	
13	29°52.80'	122°09.10'	211.5	2.54	
14	29°50.64'	122°07.57'	221.5	4.97	
15	29°46.92'	122°03.78'	185	1.12	
16	29°45.81'	122°03.66'	201.5	1.88	

17	29°44.06′	122°02.87′	212	1.72	
18	29°42.60′	122°01.82′	154	9.69	
19	29°33.90′	122°06.70′	180	27.02	
20	29°06.90′	122°06.70′	193	21.92	
21	28°45.60′	122°01.00′	212	20.97	
22	28°27.80′	121°48.40′	191	13.45	
23	28°14.60′	121°45.50′	221.5	41.46	
24	27°43.50′	121°14.50′	235.5	9.36	
25	27°38.20′	121°05.80′	223	15.34	
26	27°27.00′	120°54.00′	216	26.95	
27	27°05.20′	120°36.20′	/	/	
Vessels entering the core area of Ningbo Zhoushan port, should follow regulations of “Ship’s Routing System for Deep Water Route of Ningbo-Zhoushan Port” and “Ship's Reporting System for Deep Water Route of Ningbo-Zhoushan Port”.					

6. West Route Branch (Yuxingnao Dao- Jintang DaQiao-Tunimen Dao)

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Recommended Route width / XTD (nm)
	latitude (N)	longitude (E)			
1	30°21.20′	121°46.40′	174	15.29	0.5 nautical miles on both sides of the centerline
2	30°06.00′	121°48.20′	178	6.31	
3	29°59.70′	121°48.45′	134	2.59	
4	29°57.90′	121°50.60′	120	1.00	
5	29°57.40′	121°51.60′	085.5	3.83	
6	29°57.70′	121°56.00′	074	2.17	
7	29°58.30′	121°58.40′	/	/	
Vessels entering the core area of Ningbo Zhoushan port, should follow the regulations of “Ship’s Routing System for Deep Water Route of Ningbo-Zhoushan Port” and “Ship’s Reporting System for Deep Water Route of Ningbo-Zhoushan Port”.					

7. Northern approach route of Zhoushan (Majishan Port Entrance Fairway - Yangshan Port main Fairway - Jinshan Fairway)

NO.	Centerline coordinates	course (°)	Distance to	Segment name
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	latitude (N)	longitude (E)		next way point (nm)	
1	30°15.70'	123°03.70'	307.1	35.75	Majishan Port Entrance Fairway
2	30°37.20'	122°30.60'	296.7	5.59	
3	30°39.71'	122°24.80'	300.1	4.57	
4	30°42.00'	122°20.20'	/	/	
5	30°28.21'	122°44.45'	281.8	16.69	Yangshan Port main Fairway
6	30°31.60'	122°25.50'	279.2	11.70	
7	30°33.46'	122°12.10'	232.5	1.09	
8	30°32.80'	122°11.10'	262.1	24.74	Jinshan Fairway
9	30°29.37'	121°42.68'	283.5	18.71	
10	30°33.70'	121°21.56'	/	/	

8. North and central approach route of Zhoushan (Sheyimen South Fairway - West channel (north section) of Zhoushan central port area)

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Segment name
	latitude (N)	longitude (E)			
1	30°20.35'	122°56.50'	270	13.21	Sheyimen South Fairway
2	30°20.35'	122°41.20'	299.5	4.27	
3	30°22.45'	122°36.90'	269.9	15.71	
4	30°22.39'	122°18.70'	270.7	15.02	West channel (north section) of Zhoushan central port area
5	30°22.55'	122°01.30'	278.9	8.12	
6	30°23.80'	121°52.00'	241.7	5.49	
7	30°21.20'	121°46.40'	/	/	

9. Central approach route of Zhoushan (Public segment outside the mouth of Ma'ao Fairway - Guanmen Fairway / Guishan hangmen Fairway - West channel(south section) of Zhoushan central port area / Changbai Channel)

NO.	Centerline coordinates	course (°)	Distance to	Segment name
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	latitude (N)	longitude (E)		next way point (nm)	
1	30°02.09'	122°34.92'	291.1	13.81	Public segment outside the mouth of Ma'ao Fairway
2	30°07.26'	122°20.13'	269.7	7.74	
3	30°07.21'	122°11.19'	272.9	1.19	Guanmen Fairway
4	30°07.27'	122°09.82'	318.4	2.92	
5	30°09.45'	122°07.58'	287.8	2.03	
6	30°10.07'	122°05.34'	322.5	0.67	
7	30°10.60'	122°04.87'	359.3	0.67	
8	30°11.27'	122°04.86'	313.9	1.63	west channel (south section) of Zhoushan central port area
9	30°12.40'	122°03.50'	296.2	7.71	
10	30°15.80'	121°55.50'	283.1	5.32	
11	30°17.00'	121°49.50'	327.5	4.98	
12	30°21.20'	121°46.40'	/	/	
13	30°07.26'	122°20.13'	328.6	4.41	Guishan hangmen Fairway
14	30°11.02'	122°17.47'	310.3	2.54	
15	30°12.66'	122°15.23'	280.4	0.72	
16	30°12.79'	122°14.41'	268.1	2.76	
17	30°12.70'	122°11.22'	272.7	1.27	
18	30°12.76'	122°09.75'	255.1	3.88	
19	30°11.76'	122°05.41'	224.1	0.68	
20	30°11.27'	122°04.86'	179.3	0.67	
21	30°10.60'	122°04.87'	219.6	1.52	Changbai Channel
22	30°09.43'	122°03.75'	270	1.84	
23	30°09.43'	122°01.62'	296.1	1.39	
24	30°10.04'	122°00.18'	/	/	

10. Entering of Ningbo Zhoushan Port core area (Deep water channel outside Xiazhi Men - XiazhiMen / Tiaozhou Men - Luotou Channel - Jintang Channel)

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Segment name
	latitude (N)	longitude (E)			
1	29°41.26′	122°31.37′	286.9	10.48	Deep water channel outside Xiazhi Men
2	29°44.30′	122°19.83′	310.6	6.23	
3	29°48.35′	122°14.39′	319.6	2.09	XiazhiMen Fairway
4	29°49.94′	122°12.83′	330.1	1.41	
5	29°51.16′	122°12.02′	333.9	4.69	
6	29°55.37′	122°09.64′	270	6.99	Luotou Channel
7	29°55.37′	122°01.58′	316.8	4.02	
8	29°58.30′	121°58.40′	253.9	2.17	
9	29°57.70′	121°56.00′	265.5	3.83	Jintang Channel
10	29°57.40′	121°51.60′	300	1.00	
11	29°57.90′	121°50.60′	314.0	2.59	
12	29°59.70′	121°48.45′	/	/	
13	29°41.37′	122°30.53′	269.8	10.08	Recommended route outside Tiaozhoumen
14	29°41.32′	122°18.93′	297.1	5.75	
15	29°43.94′	122°13.04′	298.4	2.31	Tiaozhoumen Fairway
16	29°45.04′	122°10.70′	325.8	4.50	
17	29°48.76′	122°07.78′	058	3.15	
18	29°50.43′	122°10.86′	054	1.24	Fodu Channel
19	29°51.16′	122°12.02′	/	/	
Vessels entering the core area of Ningbo Zhoushan port, shall sail follow the regulations of “Ship’s Routing System for Deep Water Route of Ningbo-Zhoushan Port” and “Ship's Reporting System for Deep Water Route of Ningbo-Zhoushan Port”.					

11. North route for Taizhou Bay

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Recommended Route width / XTD (nm)
	latitude (N)	longitude (E)			
1	28°52.90'	122°02.60'	220.3	11.40	0.5 nautical miles on both
2	28°44.20'	121°54.20'	238.2	7.96	

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Recommended Route width / XTD (nm) sides of the centerline
	latitude (N)	longitude (E)			
3	28°40.00'	121°46.50'	270	6.06	
4	28°40.00'	121°39.60'	/	/	

12. South route for Taizhou Bay

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Recommended Route width / XTD (nm)
	latitude (N)	longitude (E)			
1	28°23.20'	121°47.30'	338.1	18.12	
2	28°40.00'	121°39.60'	/	/	0.5 nautical miles on both sides of the centerline

13. Yueqing Bay approach route (north route)

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Recommended Route width / XTD (nm)
	latitude (N)	longitude (E)			
1	28°01.00'	121°31.73'	273.1	16.80	
2	28°01.88'	121°12.74'	/	/	0.5 nautical miles on both sides of the centerline

14. Yueqing Bay approach route (deep water route)

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Segment name
	latitude (N)	longitude (E)			
1	27°52.60'	121°22.93'	315.9	12.94	
2	28°01.88'	121°12.74'	/	/	Yueqing Bay approach channel

Vessels entering Yueqing Port area, should follow the regulations of “Ship’s Routing System for Yueqing Bay” and “Ship's Reporting System for Yueqing Bay”.

15. Deep water approach route of Wenzhou Port core area

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Segment name
	latitude (N)	longitude (E)			

NO.	Centerline coordinates		course (°)	Distance to next way point (nm)	Segment name
	latitude (N)	longitude (E)			
1	27°49.01'	121°19.73'	314.5	9.01	Deep water approach Fairway of Wenzhou Port
2	27°55.32'	121°12.46'	/	/	

Relevant instructions:

1. Above mentioned Recommended Route width / XTD (nm)s are theoretical, subjected to the limits of natural environment and navigational conditions. Mariners shall navigate with caution according to the actual navigable width and environment.
2. Mariners shall select the route scientifically and reasonably according to the ship conditions and destination and with reference to the latest nautical charts and publications. For large ships navigating along the coast of Zhejiang, it is suggested to use the outer route and east of HAI JIAO (30° 44.1' N, 123° 9.4' E).
3. Mariners shall strictly abide by the “Convention on the International Regulations for Preventing Collisions at Sea, 1972” (COLREG) and the special regulations published by the Maritime Safety Administrations. When crossing or entering the route and passing through the congested traffic area, ship shall navigate with extreme caution to ensure safety.

浙江沿海主要公共航路示意图

1 : 420 000

