1st Ed., May 1916

ASIA
VIETNAM

APPROACHES TO HAIPHONG

From French surveys to 1939
with additions to 1951

SOUNDINGS IN FATHOMS
reduced to approximately Lowest Low Water

HEIGHTS IN FEET

For Symbols and Abbreviations, see Chart No. 1

MERCATOR PROJECTION
Scale 1:75,000 at Lat. 21°00′

NOTE
To adjust this chart to Kalianpur (Indian) Datum, the value of all points must be decreased approximately 9″ in Latitude and increased approximately 22″ in Longitude.

CONVERSION TABLE
FATHOMS TO METERS

Fathoms	Meters	Fathoms	Meters
1	0.5	8	14.6
2	0.9	9	15.1
3	1.4	10	15.5
4	1.8	11	16.0
5	2.3	12	16.5
6	2.7	13	16.9
7	3.2	14	17.3
8	3.7	15	17.8
9	4.1	16	18.3
10	4.6	17	18.7
11	5.0	18	19.2
12	5.5	19	19.6
13	5.9	20	20.1
14	6.4	21	21.9
15	6.9	22	23.8
16	7.3	24	25.6
17	7.8	25	27.4
18	8.2	26	29.3
19	8.7	27	31.1
20	9.1	28	32.9
21	9.6	29	34.7
22	10.0	30	36.6
23	10.5	40	54.9
24	11.0	50	73.2
25	11.4	60	91.4
26	11.9	70	109.7
27	12.3	80	128.0
28	12.8	90	146.3
29	13.2	100	164.6
30	13.7	200	182.9
31	14.1		

DIRECTION AND RATE OF TIDAL CURRENTS

	Hours	20°42.6′N. 106°52.1′E. Direction	Rate	20°43.1′N 106°50.0′E Direction	Rate	20°43.9′N 106°54.3′E Direction	Rate	20°45.8′N 106°51.6′E Direction	Rate
Before H.W.	12	120°	0.4 kn.	185°	0.4 kn.	093°	0.4 kn.	143°	1.1 kn.
	10	180°	0.3 "	230°	0.3 "	330°	0.4 "	330°	0.3 "
	8	260°	0.2 "	330°	0.4 "	340°	1.0 "	320°	0.9 "
	6	350°	0.5 "	340°	0.9 "	340°	1.4 "	310°	1.3 "
	4	000°	0.7 "	340°	1.1 "	353°	1.4 "	320°	1.3 "
	2	015°	0.8 "	340°	0.9 "	350°	0.8 "	320°	1.1 "
	H.W.	040°	0.5 "	330°	0.5 "	005°	0.3 "	310°	0.8 "
After H.W.	2	100°	0.3 "	260°	0.2 "	150°	0.3 "	Slack	
	4	160°	0.6 "	185°	0.7 "	165°	0.9 "	152°	1.0 "
	6	180°	1.0 "	180°	1.3 "	162°	1.3 "	148°	2.2 "
	8	176°	0.6 "	180°	1.1 "	136°	1.4 "	140°	2.6 "
	10	130°	0.4 "	170°	1.0 "	120°	0.8 "	147°	2.3 "
	12	120°	0.4 "	170°	0.6 "	110°	0.8 "	143°	1.1 "

GLOSSARY
Cho or *Hon* ..... island
Cua ..... entrance, mouth, channel
Nui ..... mountain, hill, hilly island
Song ..... river

AUTHORITIES
Various French Charts
U.S. Navy Hydrographic Office Publications

Continued on Chart 3162

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