



TIDAL TIMES & HEIGHTS

Working out tidal times and heights
for Secondary Ports

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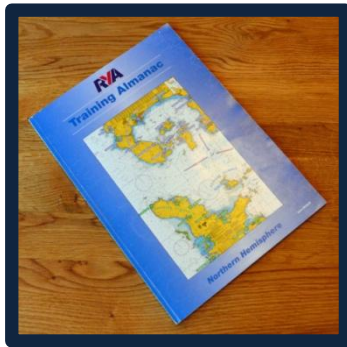
Secondary Ports

Simple practical examples of how to work out the times and heights of HW at secondary ports

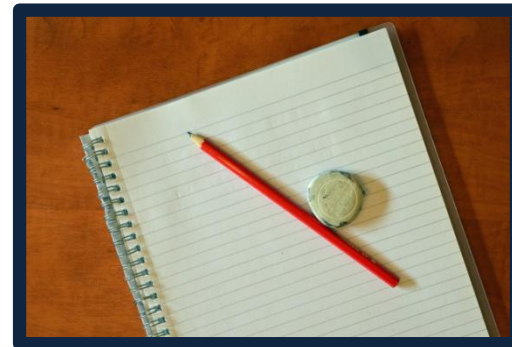


You Will Need

RYA Almanac



Pad of paper, pencil and rubber



Question

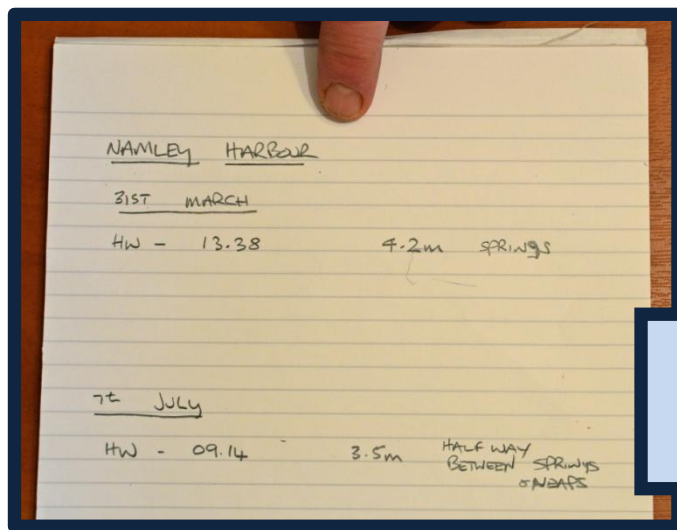
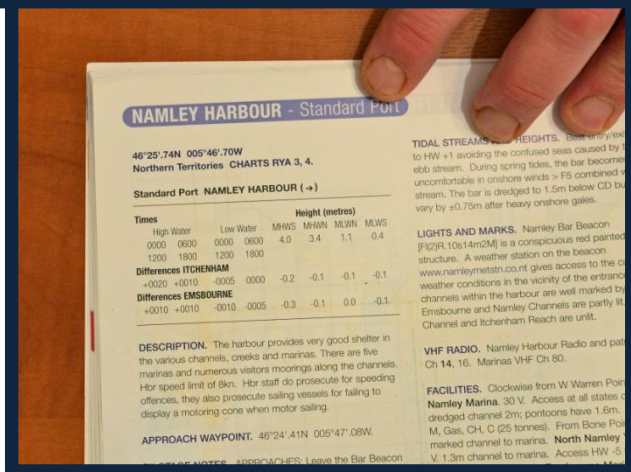
Using the following corrections on NAMLEY HARBOUR

Whale bay HW - 6 mins
Port Rampton HW – 26 mins

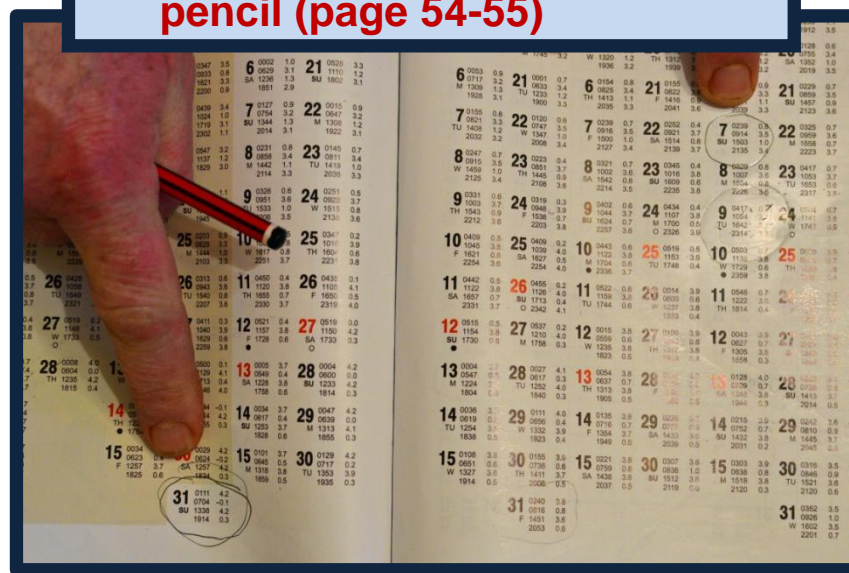
- **What is the time of high water at PORT RAMPTON in the afternoon of 31st March?**
- **What is the time of high water at WHALE BAY on the morning of 7th July?**
- **What are the HEIGHTS that morning, are they springs or neaps?**

Time of Tide

Find **NAMLEY HARBOUR** in the **RYA ALMANAC** (from page 52)



Look up **31st March** and **7th July**, circle them both with pencil (page 54-55)



Write down the times of the tides required, their heights and whether they are springs or neaps

Time of Tide

Now take away the corrections for each port from the Namley Harbour times

NAMLEY HARBOUR

31ST MARCH

HW - 13.38
- 00.26
13.12

4.2m SPRINGS

7th JULY

HW - 09.14
- 00.06
09.08

3.5m

HALF WAY
BETWEEN SPRINGS
& NEAPS

Time of Tide

Check to see if you need to make an adjustment for **SUMMER TIME**

NAMLEY HARBOUR - Station

TIME ZONE UT
For Summer Time add ONE hour in non-shaded areas

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

MAY		JUNE		JULY	
Time	m	Time	m	Time	m
1 0756	4.5	1 0327	9.5	1 0350	3.5
W 1432	3.8	TH 0728	3.7	0919	1.1
2016	0.6	SA 1534	3.4	M 1555	3.5
		2147	0.7	2130	0.5
2 0256	3.8	2 0418	3.4	2 0434	3.3
TH 0917	0.7	F 0952	1.2	W 1006	1.2
W 1424	3.7	F 2006	0.8	TH 1644	3.4
2008	0.8	TH 1446	3.6	M 1703	3.6
		2039	0.6	2253	0.8
3 0345	3.8	3 0516	3.6	3 0534	3.3
TH 0923	0.7	F 0952	0.6	W 1104	1.2
TH 1504	3.8	SA 1535	3.4	TH 1729	3.3
2050	0.7	2204	0.8	2351	0.9
		2152	0.7		
4 0442	3.8	4 0612	3.5	4 0619	3.2
W 0907	0.9	F 0947	1.1	10 0019	0.6
F 1551	3.4	SA 1651	3.1		

Add **ONE HOUR** to the times written down

NAMLEY HARBOUR

31ST MARCH

HW - 13.38 4.2m SPRINGS

- 00.26

13.12

+ 01.00

DST 14.12

7th JULY

HW - 09.14 3.5m HALF WAY BETWEEN SPRINGS & NEAPS

- 00.06

09.08

+ 01.00

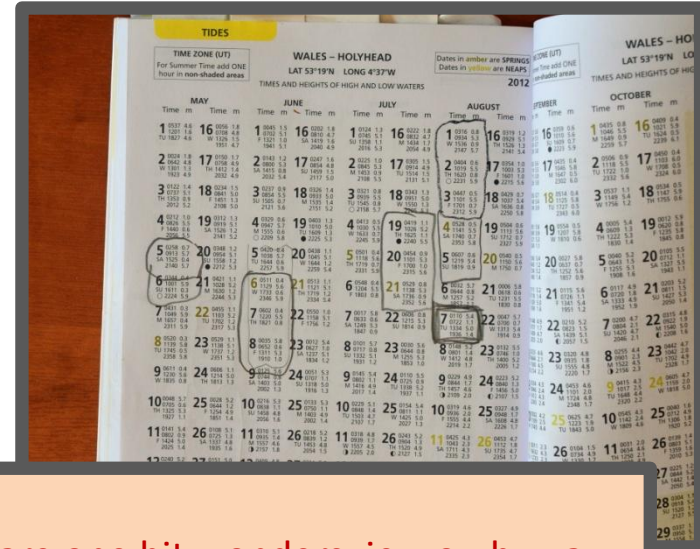
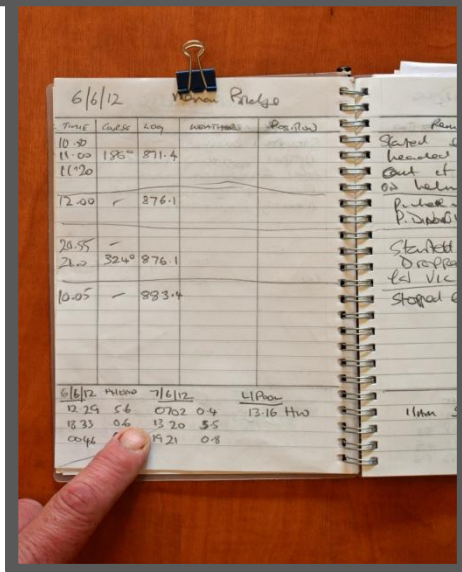
DST 10.08

You now know
the **TIME & HEIGHTS** of the tides

Top Tips

TOP TIP

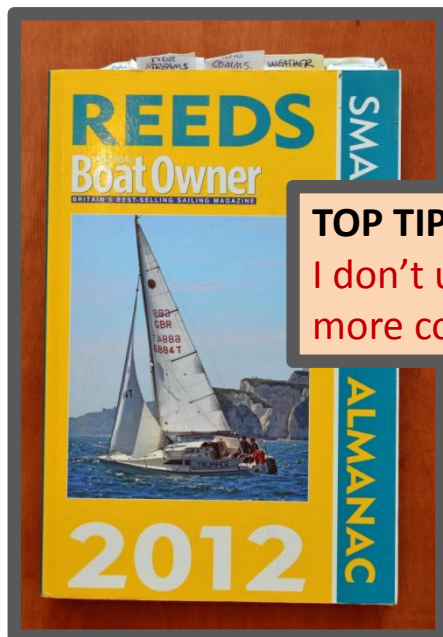
In the real world I write down my tidal information in my **LOGBOOK** on the page that I intend to use during the passage. That way I always have the information to hand when I need to refer to it.



TOP TIP

As almanacs are one hit wonders, ie, you buy a new one each year, I always circle the range of dates I am using. This is so I don't get confused and copy the wrong data and it makes checking much easier and quicker.

Top Tips



TOP TIP

I don't use a full almanac and prefer the **PBO Cruising Almanac**....it's more compact, better value for money and has all the information I need.



TOP TIP

Almanacs have load of pages of similar looking information. To make it easy to find tide times of ports I often use, I make tabs out of stickers. This way I can find the information I need quickly when I need to refer to it.

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Thank you for your honesty.

Further Reading



We highly recommend Tim Bartlett's
RYA Navigation Handbook (G6)

You can buy a copy of this book by visiting our on-line shop

www.penguinsailing.com