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Please hold for the PRIVATE and EXCLUSIVE use of:

Your Boat Name

Event: Newport, RI
Forecast for: Friday, June 10, 2016
Outlook: Saturday, June 11, 2016
Prepared: 0630edt Friday, June 10, 2016

Summary...

- 1) Little trough moving thru southern New Hampshire right now with a few showers and a wind shift into the NW and N
 - a) I don't think you will see the showers, but the wind shift into the NW and N should arrive in Newport by 0800/0900edt
- 2) Gusty NW-N wind this morning
 - a) gradient wind is 320ish with 5-10 degrees of right shear
 - b) breeze will tend to blow down the Bay from north to south, so there will be some terrain funneled winds from the N this morning
 - c) will start the forecast with 300-330/12-18, gusts 20-24
 - b) by 1100edt, winds will be 320-350/12-17, gusts 20
- 3) Some clouds early this morning, but today will turn out mostly sunny
- 4) Gradient wind 320ish will diminish this afternoon and conditions will become favorable for a sea breeze late in the day
 - a) any sea breeze will be preceded by wind holes
 - b) sea breeze will develop from the entrance of the Bay northward late in the afternoon
- 5) NW-N wind be fresh all morning, but will diminish very quickly from south to north between 1300 and 1500edt
 - a) northerly may never end near Providence, but could end as early as 1400edt just outside of the Bay
 - b) as the NW-N wind ends, it will tend to parallel the N to S terrain features in the Bay
 - c) highest NW-N wind speeds will be found near any warm land areas early this afternoon
- 6) The northerly wind will be down to 5-10 kts on the N side of the Island by 1400/1500edt
 - a) I think the S side of the Island will glass off around or just after 1400/1500edt
- 7) At 1700edt, I will forecast a very light N wind on the N side of the Island and a slight S-SW sea breeze on the S side of the Island and in Newport

Wind forecasts

Wind directions are MAGNETIC, wind speed in kts, and time is EDT

Time	In the Bay	Offshore	Comments
0900	300-330/12-18, gusts 20-24	310-330/14-20, gusts 25	
1000	310-340/13-18, gusts 20-24	320-350/12-18, gusts 20-24	
1100	320-350/12-17, gusts 20	330-010/11-17, gusts 20	
1200	320-350/10-16	340-020/16-8	
1300	330-360/14-7	350-030/ 8-4	
1400	330-010/10-5, but light/variable winds just to S	light/variable	Wind holes developing from S to N
1500	330-010/ 4-8	light/variable	Pretty extensive wind holes

1600	330-010/ 3-7, light S-SW sea breezes reach the S side of the Island	180-210/ 4-8	
1700	330-010/ 0-6, but S-SW sea breeze in Newport	190-220/ 6-10	

Weather...Partly sunny morning and mostly sunny afternoon with highs in the low 70s

Error factor...Confidence is average or a little above

- 1) I could see wind gusts as high as 20-25 kts this morning, but winds will diminish quickly the 1st half of the afternoon
 - a) we will see wind speeds less than 5 kts for a time this afternoon
- 2) Sea breeze at best, 6-10 kts late afternoon and it may not fill in until 1800/1900edt
 - a) wind holes will be extensive between the dying northerly and developing sea breeze
- 3) NW-N wind will range from 290-300 on the left to 010, maybe 030 on the right
 - a) strongest winds will favor 310-010
- 4) Sea breeze will come from 180-220, but will be developing no earlier than late afternoon

Saturday, June 11, 2016

- 1) High pressure over New England at daybreak will move ESE
- 2) Strong cold front in the Great Lakes will move ESE and thru the Newport area Sun morning
- 3) Slight N land breeze to start the morning
- 4) S sea breeze develops quickly 1000-1200edt
 - a) S-SW sea breeze up to 12-18 kts mid and late afternoon

0900: 290-350/ 4-7

1100: 240-210/ 7-13

1300: 200-220/11-17

1500: 200-220/11-17, gusts 20-22

1700: 210-190/12-17

Weather...Sunshine mixing with some afternoon increasing clouds. SW-S seas up to 2-3 feet late afternoon. Showers arrive late evening or after midnight