NEW ENGLAND INTERCOLLEGIATE SAILING ASSOCIATION

Minimum Safe Sailing Requirements

Wetsuits/ drysuits shall be required when the water temperature is less than 40F

Racing should not be conducted with the air temperature less than 26F.

This committee believes that windchill is a far better way to measure how cold feels against skin but could not agree on a minimum windchill among the members of our committee. Next year's Safety Sub-committee should try to address this and get back to using windchill as it is the only measurement used by multiple conferences and leagues to measure safe playing conditions for student athletes.

The windchill number might be adjusted upwards by 2 degrees if the sun is out and it might be adjusted downwards by two degrees if water temperature is less than 40 degrees.

So, if the windchill is

With T as air temp Fahrenheit degrees and wind speed V in MPH

$35.74 + 0.6215T - 35.75(V^{0.16}) + 0.4275T(V^{0.16})$

Then the graph looks like this:

Results			
	Fahrenheit (°F)	**Celsius (°C)**	**Kelvin (°K)**
Estimated Wind Chill Temperature:	-24.84	-31.58	241.57

Wind Chill Chart

Temperature (°F)	**Wind Speed (mph)**								
	5	**10**	**15**	**20**	**25**	**30**	**35**	**40**	**45**
40	36	34	32	30	29	28	28	27	26
35	31	27	25	24	23	22	21	20	19
30	25	21	19	17	16	15	14	13	12
25	19	15	13	11	9	8	7	6	5
20	13	9	6	4	3	1	0	-1	-2
15	7	3	0	-2	-4	-5	-7	-8	-9