

Predicting The Weather Data Sheet

Use the daily weather data from your local newspaper to complete the graphs below. You will need to begin recording the weather data five days prior to your program. Use your weather skills to fill in the "prediction column" the day of your program. Record data in the actual column collected during your cruise aboard the *R/V Sea Explorer*.

CIRCLE ONE

Which activities work best with the prevailing weather conditions on the day of your program?

	Day 3	Day 2	Day 1	Prediction	Actual
Water Temperature degrees Fahrenheit (F) 75 73 71 69 67 65 63 61 59 57 55 53					
Wave Swell In feet 12 11 10 9 8 7 6 5 4 3 2 1 period: swell direction: (draw with an arrow)					
Wind Speed In knots 48-55 41-47 34-40 28-33 22-27 17-21 11-16 7-10 4-6 1-3 0-0.9					
Wind Direction: (draw an arrow for direction)					

Surfing



wave swell: minimum 3-4ft
wave period: greater than 7 seconds
water temperature: N/A
 wetsuit? Yes or no
wind speed: < 10 knots
wind direction: prefer NE offshore

Sailing



wave swell: N/A
wave period: N/A
water temperature: N/A
 wetsuit? Yes or no
wind speed: minimum 7-10 knots
 maximum 22-27 knots
wind direction: does not matter

Marine Science



wave swell: N/A
wave period: N/A
water temperature: N/A
 wetsuit? Yes or no
wind speed: maximum 22-27 knots
wind direction: does not matter

Snorkeling



wave swell: less than 2 feet
wave period: N/A
water temperature: prefer above 68F
 wetsuit? Yes or no
wind speed: maximum 6 knots
wind direction: prefer NE offshore