KILROY ACADEMY

KILROY TERMINOLOGY

- **BACKGROUND:** Kilroy is a water-quality system unlike any other. Kilroy systems monitor the physical, chemical and biological indicators of health in a particular body of water and it does so, 24 hours a day, 365 days a year. A fully-loaded Kilroy system measures environmental parameters 1 through 16 listed below. Kilroys equipped with a meteorological station measure the remaining five terms.
- **PURPOSE:** This activity is designed to introduce the scientific terms Kilroy uses to convey the current conditions of the Indian River Lagoon. Researching this terminology will allow the public to familiarize themselves prior to a Kilroy investigation, thereby producing accurate and informed conclusions.
- **DIRECTIONS:** For each term below, you are to research and record –
    - The definition or description (What does it mean or what does it measure?)
    - The units (What units do you use to measure it? How do you measure it?)
    - The normal range (What do the readings mean? What is a normal reading?)

KILROY TERMINOLOGY	DEFINITION	UNITS	NORMAL RANGE
1. Depth			

2. Temperature			
3. Salinity			
4. Conductivity			

5. Water Temperature			
6. Flow speed			
7. Flow direction			

8. Dissolved oxygen			
9. pH			
10. Oxygen Reduction Potential (ORP)			

11. Turbidity			
12. Chlorophyll			
13. Blue-Green algae			

14. Colored Dissolved Organic Matter (CDOM)			
15. Nitrogen as Nitrate + Nitrite			

16. Phosphate			
17. Rainfall			
18. Wind speed			

19. Wind direction			
20. Air temperature			
21. Barometric pressure			

ADDITIONAL RESOURCES

http://teamorca.org/orca/orca-why-monitor.cfm

http://api.kilroydata.org/public/

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INDIAN RIVER IMPACT 100
WOMEN AND PHILANTHROPY MAKING A DIFFERENCE