

## DIVE SAFETY ANALYSIS

University of Florida  
Division of Environmental Health and Safety  
Diving Science and Safety Program

Dive Project: \_\_\_\_\_ Location: \_\_\_\_\_  
Role of Diver on Project: \_\_\_\_\_ Dive Master: \_\_\_\_\_

**Environment Site Analysis:**

Sea State _____	Bottom Type _____	Temperature _____
Vessel _____	Current/Tide _____	Visibility _____
Estimated Depth _____	Estimated Bottom Time _____	Repetitive Times _____
Safety Stops _____	Estimated Number of Dives _____	Dive site lighting _____

**Basic Equipment**

Mask \_\_\_\_\_  
Fins \_\_\_\_\_  
Snorkel \_\_\_\_\_  
Weights \_\_\_\_\_  
BCD \_\_\_\_\_  
Gloves \_\_\_\_\_  
Regulator \_\_\_\_\_  
Cylinder \_\_\_\_\_  
Safety Diver \_\_\_\_\_  
DivePlanLog \_\_\_\_\_

Communications \_\_\_\_\_  
Wet/Dry Suit \_\_\_\_\_  
Depth Gauge \_\_\_\_\_  
Timer \_\_\_\_\_  
Compass \_\_\_\_\_  
Computer/Tables \_\_\_\_\_  
Knife/scissors \_\_\_\_\_  
Slate \_\_\_\_\_  
Surface Air Supply \_\_\_\_\_  
Gas Analyzer \_\_\_\_\_

**SAFETY EQUIPMENT REQUIRED**

First-Aid & Oxygen Kits \_\_\_\_\_  
Hang Bar & gas \_\_\_\_\_  
Storage Bank \_\_\_\_\_  
Mixed Gas Supply \_\_\_\_\_  
Down line & Float \_\_\_\_\_  
Diver Recall Device \_\_\_\_\_  
Diver Tether/Comm \_\_\_\_\_  
Dive Site Lighting \_\_\_\_\_  
Dive Support Vessel \_\_\_\_\_  
Evacuation Plan \_\_\_\_\_

Basic Dive Steps	Potential Accidents or Hazards	Safety Procedures
	<u>Surface Vessels</u>	
	Out of Air	
	Depth	
	Uncontrolled Ascent	
	Entanglement	
	Marine Life	
	Overhead Environment	
	Contaminated Gas	
	Currents	
	Decompression Status	
	Oxygen Toxic	

## Dive Safety Analysis

The items listed on the reverse side should be reviewed prior to completion of the dive operations plan to insure that all site/safety variables have been addressed: Page 1 is a list of normally anticipated sources of concern, but specific projects may offer unanticipated sources of risk.

1. List variables applicable to the project dive, the dive site, work, equipment and the tools used.
2. List environmental variables known and where potential hazard may exist, address methods to mitigate hazards.
  - i.e. Visibility - 1 ft. use diver tether and buddy line - comm devices?
  - Hypothermia - use of dry suits
  - Bottom Composition - mud, silt, sand, corral
  - Currents - tidal, long shore, rip currents, etc.
  - Sea State - 1 thru 9, No diving over 3
  - Water Traffic - Vessels
  - Entanglement risks
  - Gas Mix errors - Analysis??
3. List diver/support staff training qualifications: Dive Locations:
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  4. \_\_\_\_\_
  5. \_\_\_\_\_
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  4. \_\_\_\_\_
  5. \_\_\_\_\_
4. List the anticipated number of dive sites for the duration of the plan - single dive or a blanket proposal. .
5. List estimated depths (maximum) and working depth if different.
6. List estimated bottom times - Response if NDL exceeded
7. Will repetitive dives be required - \_\_Yes \_\_No
8. List the proposed work, equipment and vessels to be employed
9. List hazards that may occur due to conditions of work.
10. List methods used to mitigate hazards.
11. Lost diver Response -
12. List the Planned Emergency response to any incident with contacts and transportation confirmed.