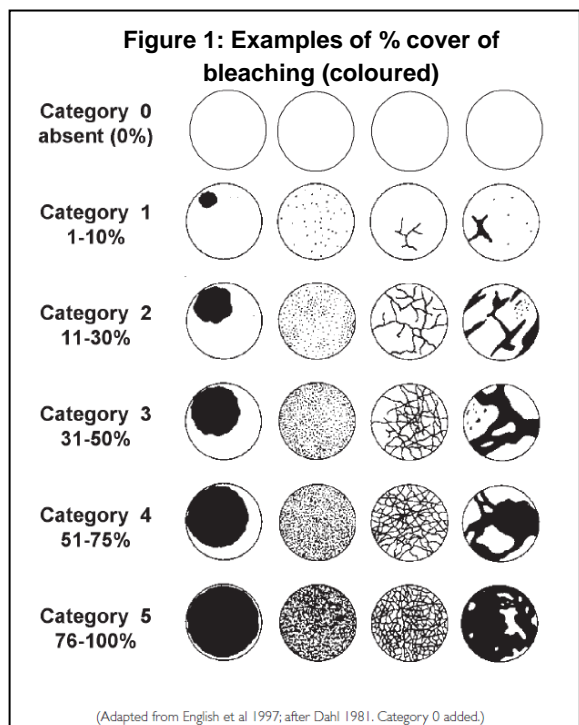




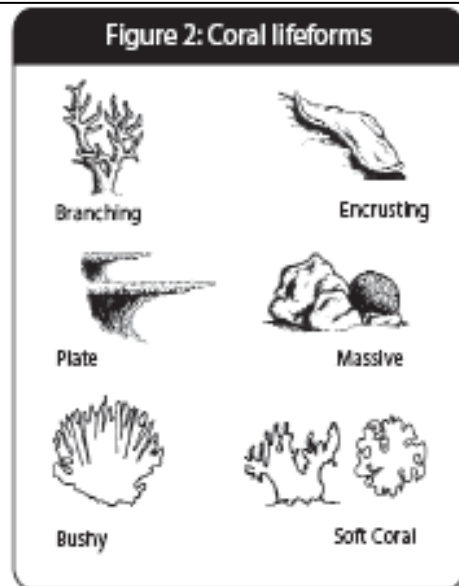
1.0 OBSERVER'S DETAIL					
Name		Organisation			
Phone No		E-mail			
Observer Category ( ) Reef Visitor/Diver ( ) Dive Operator ( ) Scientist ( ) Other _____					
2.0 SITE INFORMATION DURING OBSERVATION					
Location			State		
Date			Time		
Depth		Water Temperature		Visibility ( ) <5m ; ( ) 5-10m ; ( ) >10m	
Position GPS WG S84 (or plot on attached map)		Lat:		Long:	
Three Most Common Coral Lifeform Present (Fig. 2): (In order of abundance)		( ) Branching		( ) Encrusting	
		( ) Plate / Table		( ) Massive	
		( ) Bush		( ) Soft Coral	

3.0 CORAL BLEACHING OBSERVATION	
Bleached Coral at this site:  Estimate according to guide from Figure 1.	( ) Category 0 (0%)
	( ) Category 1 (1-10%)
	( ) Category 2 (11-30%)
	( ) Category 3 (31-50%)
	( ) Category 4 (51-75%)
Types of coral life form that are bleached  Life forms are shown in Figure 2.	( ) Branching
	( ) Encrusting
	( ) Plate / Table
	( ) Massive
	( ) Bush
Most common level of bleaching	( ) Fluorescent / pale (very light)
	( ) Bleached only on upper surface
	( ) Totally bleached – white
	( ) Recently dead with algae



\*Adapted from GBRMPA Bleach Watch

4.0 PREDATION	
Crown of thorns Starfish (COTs)	
Present	( ) Yes ( ) No
Number of adult COTs within 5m(wide) x 20m(long) area	
Drupella Snails	
Present	( ) Yes ( ) No
Number of Drupella snails within 5m(wide) x 5m(long) area	
5.0 TRASH / LITTER	
Present	( ) Yes ( ) No
Categories	( ) Plastic ( ) Fish nets / lines ( ) Rope ( ) Others: _____



Please send a copy of this coral bleaching form to both the Department of Marine Parks Malaysia at [tamanlaut@nre.gov.my](mailto:tamanlaut@nre.gov.my) and Reef Check Malaysia at [wecare@reefcheck.org.my](http://wecare@reefcheck.org.my) once you have completed it.



## GUIDELINES TO FILLING UP THE REEF ALERT FORM

### 1.0 OBSERVER'S DETAIL

- Name: Name of observer
- Organization: Dive Centre, University, Government Agencies etc
- Observer Category: Mark "X" at relevant category

### 2.0 SITE INFORMATION DURING OBSERVATION

- Site Name: Give both commonly used name and official name, if any
- Location and state: Name of island or area (E.g: Perhentian Kecil). Please mark the site on the map attached.
- Date and time: Date and time of observation, **NOT** time and date when this form is filled.
- Position: using GPS WG S84. If no GPS, try to get nearest coordinates from Google earth/maps
- Three most common coral types present: Using Figure 2, rank the most common coral lifeform present in the observed area. (1=most frequent; 6=least frequent)

**TRY TO FILL IN AS MUCH DETAIL AS POSSIBLE BUT HAVE A MINIMUM OF SITE NAME, DEPTH AND TIME.**

### 3.0 CORAL BLEACHING OBSERVATION

- Amount of bleached coral at this site: Using the guide from Figure 1, estimate the percentage of corals that are bleached and mark "X" at the relevant category.
- Types of coral life form that are bleached: Using the guide from Figure 2, mark "X" on the lifeforms which have bleached in that area. There can be more than one type of coral lifeform marked.
- Most common level of bleaching: Mark "X" at the relevant categories. Unusual fluorescence or pale colours often indicate the beginning of a bleaching event; Bleached only on the upper part indicates partial bleaching – but bleaching can begin from the bottom as well; Totally bleached - whole coral colony is bleached from top to bottom; Recently dead – has filamentous algae growing on it.

### 4.0 PREDATION

- COTs and *Drupella* snails: Mark "X" at relevant spaces to indicate if these predators are present.
- Write down number of COTs within a 5m wide x 20m long area.
- Write down the number of *Drupella* snails within a 5m wide x 5m long area.

### 5.0 TRASH / LITTER

- Mark "X" at relevant spaces to indicate which type of trash are present in the area. You can mark more than one category

**PLEASE SEND A COPY OF THE REEF ALERT FORM TO BOTH  
 THE DEPARTMENT OF MARINE PARK MALAYSIA AT [tamanlaut@nre.gov.my](mailto:tamanlaut@nre.gov.my) AND  
 REEF CHECK MALAYSIA AT [wecare@reefcheck.org.my](mailto:wecare@reefcheck.org.my) ONCE YOU HAVE COMPLETED IT**

**THANK YOU FOR YOUR COOPERATION IN HELPING TO ASSESS THE BLEACHING SITUATION  
 AROUND THE MARINE PARK ISLANDS.**

For further details, please contact us at:

<p><b>Department of Marine Park Malaysia</b>          Ministry of Natural Resources and Environment          Aras 11, No. 25, Persiaran Perdana, Wisma Sumber          Asli,          Presint 4, 62574 Putrajaya.          Tel: 03-88861379 Fax: 03-88880489          E-mail: <a href="mailto:tamanlaut@nre.gov.my">tamanlaut@nre.gov.my</a>  <a href="http://www.dmpm.nre.gov.my">www.dmpm.nre.gov.my</a></p>	<p><b>Reef Check Malaysia</b>          Lot 5.19-5.22          Wisma Central, Jalan Ampang,          50450 Kuala Lumpur.          Tel/Fax: 03 21615948          E-mail: <a href="mailto:wecare@reefcheck.org.my">wecare@reefcheck.org.my</a>  <a href="http://www.reefcheck.org.my">www.reefcheck.org.my</a></p>
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Please mark the location of the observation site with a red X and send a copy of it to the Department of Marine Parks Malaysia at [tamanlaut@nre.gov.my](mailto:tamanlaut@nre.gov.my) and Reef Check Malaysia at [wecare@reefcheck.org.my](mailto:wecare@reefcheck.org.my)

