

# Rapid Monitoring



Australian Government  
Great Barrier Reef  
Marine Park Authority




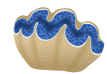



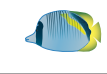








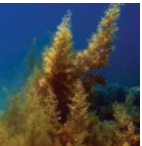




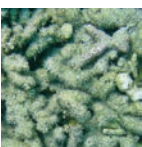

EYE ON THE REEF



Queensland  
Government

Observer name: _____		Phone: _____		Date: _____	
Email: _____		Organisation: _____		Time: _____	
Vessel: _____		Observer category (tick one): <input type="checkbox"/> Reef visitor <input type="checkbox"/> Marine tourism industry <input type="checkbox"/> Fisher <input type="checkbox"/> Traditional owner <input type="checkbox"/> Other (please specify) _____			
Number of visits to a reef: _____		Survey experience (approximate number of surveys completed): _____			
Reef ID (e.g. 16-023): _____		Reef name: _____		Site: _____	
Centre of survey: Lat: _____ S Long: _____ E		Marine Park Zone: _____			
Tick one GPS type: (examples over page) <input type="checkbox"/> Decimal Degrees (preferred) <input type="checkbox"/> Degrees Decimal Mins <input type="checkbox"/> Degrees Min Sec		Water temperature: _____ °C			
Survey type (tick one): <input type="checkbox"/> Snorkel <input type="checkbox"/> Dive <input type="checkbox"/> Viewing bucket		Survey depth: _____ metres			
Habitat type (circle one) LAGOON FLAT CREST SLOPE		Flood plume (circle one) YES NO		Suspended algal bloom (circle one) YES NO	
				Tide at survey (circle one) LOW MID HIGH	
				Visibility (circle one) <5m 5-10m >10m	

Timed swim (10 minutes) 				See over page for survey methodology		
ANIMALS	TALLY	TOTAL	ANIMALS	SIZE / SEX / TYPE	TALLY	TOTAL
Sea cucumber (all species) 			Coral trout (all species) 	<38cm >38cm		
Giant clam (larger than size of hand) 			Maori wrasse 	Male Female		
Anemonefish (all species) 			Turtle (all species) 	Green Turtle* Hawksbill Turtle* Other (please name) _____		
Butterflyfish (all species) 			* See images over page			
Grazing herbivores (See definition over page) 			Shark (all species) 	Whitetip reef shark Blacktip reef shark Other (please name) _____		
Cods and groupers (over 50cm in length) 			Crown-of-thorns starfish 	≤ Size of hand > Size of hand		

<input type="checkbox"/> 360° survey (One 5 metre radius circle) 		See over page for information guide and survey methodology	
BENTHOS		CORAL IMPACTS (Complete 1, 2 and 3 below. Circle Y or N)	
Insert % for each benthos type to total 100%			
Macroalgae		1 Is any coral white? Y / N	
Live coral		Is living coral tissue present? Y / N If yes: BLEACHING	
Recently dead coral (white)		Is coral being eaten? Y / N If yes: PREDATION	
Live coral rock		If yes, by what? How many seen?	
Coral rubble		Crown-of-thorns starfish	
Sand		Juveniles (size of hand or smaller) _____	
Total	100 %	Adults (larger than size of hand) _____	
PHOTOS TAKEN (Please provide details e.g. image no./name, what it is, and a description)		Drupella snails (all sizes) _____	
RECENTLY DEAD CORAL	CORAL ROCK (includes dead coral)	Is coral banded in appearance? Y / N If yes: DISEASE	
		Is coral competing with something else? Y / N If yes: COMPETITION	
CORAL RUBBLE	SAND	2 Is any coral broken or damaged? Y / N	
		If yes: What is the likely main cause? (Circle one)	
		Storm Animal Vessel Anchor Divers Snorkellers	
		Unknown Other: _____	
		3 Is any rubbish present? Y / N	
		If yes: Number of pieces in survey area:	
		Fishing line _____ Plastic _____	
		Netting _____ Rope _____	
		Other (please specify) _____	
		IMPACT DETAILS (How much bleaching, predation, disease, damage? Other impacts?)	
		OTHER THINGS OF INTEREST? (Mating, spawning, behaviour, etc.)	

## Survey guide

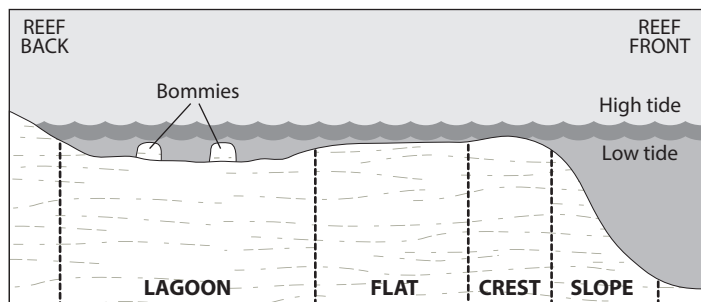
- While surveying, use the time to find an area that is representative of the survey site and come back to that area to do your 360° survey.

- Swim three body lengths away from that central point and then swim around, surveying the whole area within a circle of 5 metre radius around the central point.

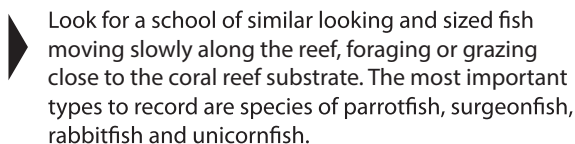
### EXAMPLE GPS POSITION

	<b>Latitude</b>	<b>Longitude</b>
<b>Decimal degrees</b>	-18.6582°	146.489°
<b>Degrees decimal minutes</b>	-18° 39.492'	146° 29.34'
<b>Degrees min seconds</b>	-18° 39' 29.52"	146° 29' 20.4"

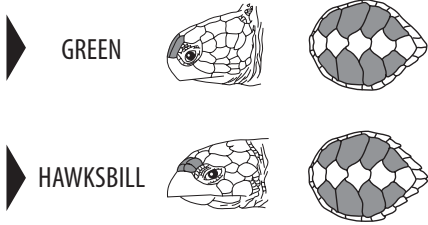
**HABITAT TYPE**



## GRAZING HERBIVORES



## SEA TURTLES



## CORAL IMPACTS



BLEACHING (SEVERE)

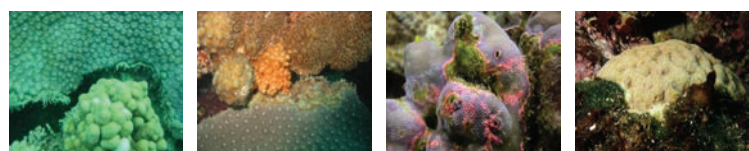


— DRUPELLA



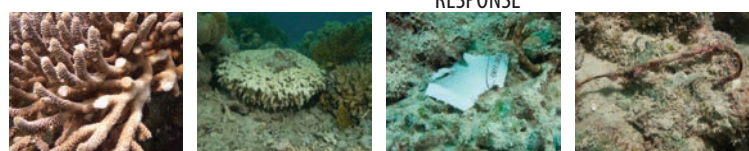
## ► BROWN BAND DISEASE

## WHITE SYNDROME



## PIGMENTATIO RESPONSE

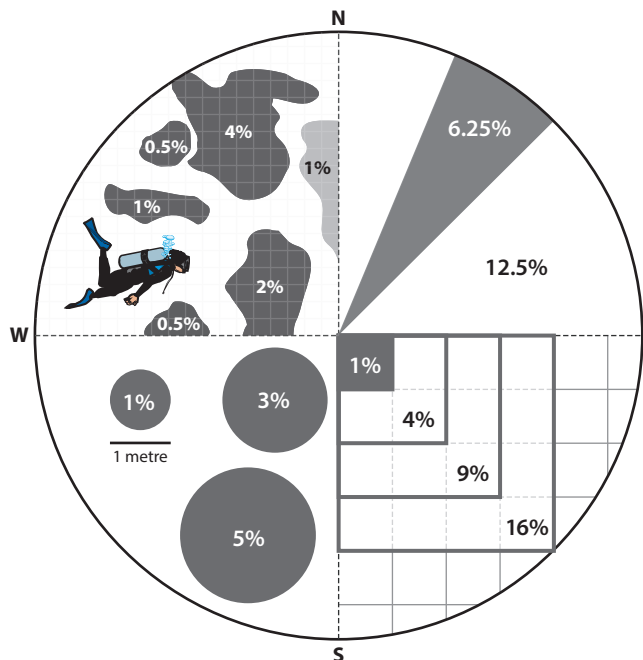
ALGAL OVERGROWTH



DAMAGE (MAJOR)

— RUBBISH

## GUIDE TO ESTIMATING % COVER



### EXAMPLE

