

Rapid Monitoring

Observer name: _____

Phone: _____

Date: _____

Email: _____

Organisation: _____

Time: _____

Vessel: _____

Observer category (tick one):

☐ Reef visitor

☐ Marine tourism industry

☐ Fisher

☐ Traditional owner

Number of visits to a reef: _____

Survey experience (approximate number of surveys completed): _____

☐ Other (please specify) _____

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)

☐ Decimal Degrees (preferred)

☐ Degrees Decimal Mins

☐ Degrees Min Sec

Water temperature: _____ °C

Survey type (tick one):

☐ Snorkel

☐ Dive

☐ 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*		
Butterflyfish (all species)			* See images over page	Other (please name)		
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		

☐ 360° survey (One 5 metre radius circle)

See over page for information guide and survey methodology

BENTHOS

Insert % for each benthos type to total 100%

Macroalgae	
Live coral	
Recently dead coral (white)	
Live coral rock	
Coral rubble	
Sand	
Total	100 %

PHOTOS TAKEN (Please provide details e.g. image no./name, what it is, and a description)

RECENTLY DEAD CORAL

CORAL ROCK (includes dead coral)

CORAL RUBBLE

SAND

CORAL IMPACTS (Complete 1, 2 and 3 below. Circle Y or N)

1 Is any coral white? Y / N

Is living coral tissue present? Y / N If yes: BLEACHING

Is coral being eaten? Y / N If yes: PREDATION

If yes, by what? How many seen?

Crown-of-thorns starfish

Juveniles (size of hand or smaller)

Adults (larger than size of hand)

Drupella snails (all sizes)

Is coral banded in appearance? Y / N If yes: DISEASE

Is coral competing with something else? Y / N If yes: COMPETITION

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

Timed swim



Spend ten minutes swimming around your survey site, keeping an eye out for key species and other things of interest.

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.

360° survey



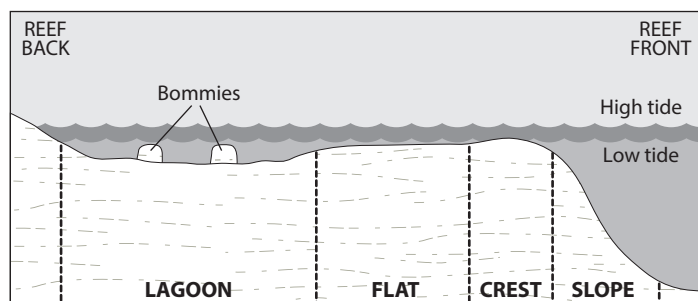
Pick an area which represents the sea bed and overall condition of the site you are surveying. Pick a central point in your selected area which is easy to see and identify.

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

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

HABITAT TYPE

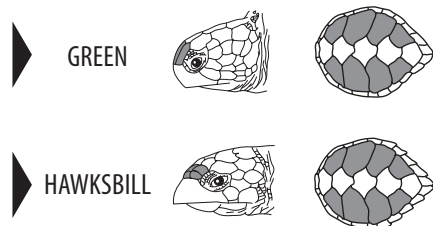


GRAZING HERBIVORES



Look for a school of similar looking and sized fish moving slowly along the reef, foraging or grazing close to the coral reef substrate. The most important types to record are species of parrotfish, surgeonfish, rabbitfish and unicornfish.

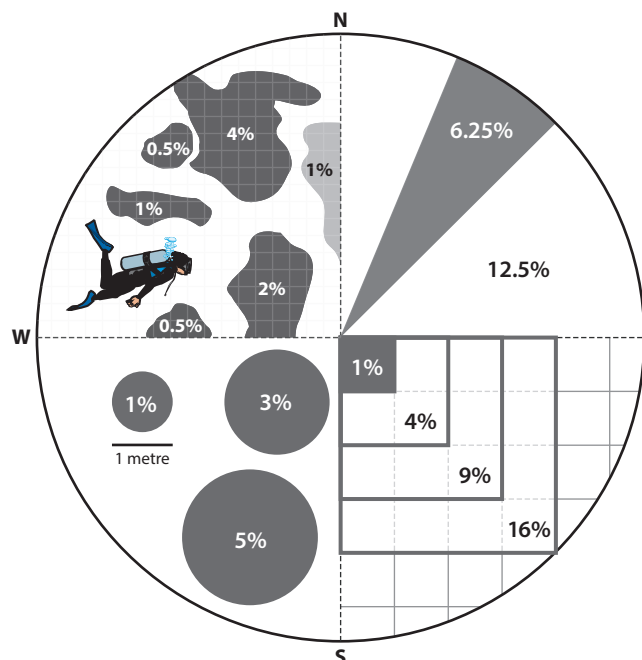
SEA TURTLES



CORAL IMPACTS



GUIDE TO ESTIMATING % COVER



EXAMPLE

