The Rufford Foundation
Final Report

Congratulations on the completion of your project that was supported by The Rufford Foundation.

We ask all grant recipients to complete a Final Report Form that helps us to gauge the success of our grant giving. The Final Report must be sent in **word format** and not PDF format or any other format. We understand that projects often do not follow the predicted course but knowledge of your experiences is valuable to us and others who may be undertaking similar work. Please be as honest as you can in answering the questions – remember that negative experiences are just as valuable as positive ones if they help others to learn from them.

Please complete the form in English and be as clear and concise as you can. Please note that the information may be edited for clarity. We will ask for further information if required. If you have any other materials produced by the project, particularly a few relevant photographs, please send these to us separately.

Please submit your final report to jane@rufford.org.

Thank you for your help.

Josh Cole, Grants Director

Grant Recipient Details	
Your name	Xu Tingting Kathy
Project title	Developing sustainable eco-tourism as an alternative to shark fishing in Indonesia
RSG reference	20591-1
Reporting period	October 2016 – October 2017
Amount of grant	£3144
Your email address	Kathy@thedorsaleffect.com
Date of this report	31 October 2017

1. Please indicate the level of achievement of the project's original objectives and include any relevant comments on factors affecting this.

Objective	Not achieved	Partially achieved	Fully achieved	Comments
Increase traffic through improved outreach, marketing, and re-design of the packages offered. Aim to increase daily tours to 10 per month and 12 student group trips per year by 2018.				We re-designed the package to be more holistic – 4-day student trips with each day focusing on a different aspect of marine learning (shark day, coral survey day, building a bio-rock day, and engaging with local schools). While we have not managed to increase traffic, we have managed to identify our target audiences better in line with what our package can now offer. In line with this, we had two trips of 50 students per trip this year – our biggest groups ever. They are now repeated clients. In total, we hosted seven day trips since January, three school trips and two Singaporean environmental groups.
Engage more fishermen				We have not managed to achieve this as the volume and demand has not been there. We have prioritised giving our currently engaged fishermen the work over hiring new fishermen.
Monitor the sustainability of the project in terms of environment and society.				In December 2017 we did our first ever dedicated marine survey trip. This assessed the health of the coral reefs we snorkel at and identified the main threats to the area. We have included the report on this for your reference. Based on this, we produced booklets for our fishermen to help them understand how they can help protect the reefs.
Push for improved regulations to protect Lombok's marine environment.				Over the past year we have linked up closely with the Wildlife Conservation Society (WCS) who are working at Tanjung Luar's shark market. From

				working with them, we have realised how complex the issue is surrounding shark fishing and pushing for greater protection of Lombok's marine environment. We continue to work closely with them to identify how best to proceed with this.

2. Please explain any unforeseen difficulties that arose during the project and how these were tackled (if relevant).

During our eagerness to market our trips and increase the volume of guests, we realised that what our project offers is very different to what most schools in Singapore want. This lead to friction – trying to accommodate what the schools wanted while jeopardising what our project can, and should, offer. Most schools want 'tangible' outcomes – for example to 'build houses'. Our trips are learning experiences, and what students take away is an understanding of their role in marine conservation. Because this is not what most schools want, we now realise that we need to focus on selling our product to schools that buy into our idea. Quality over quantity!

3. Briefly describe the three most important outcomes of your project.

- First ever coral health assessment of the snorkel sites we use. This helped to understand the threats facing the reefs and if there is a future for eco-tourism. We found that unsustainable tourist boats mimicking our operations are damaging the reefs. Based on this we created booklets for our fishermen explaining why tourism operators must act in certain ways – and asked them to share this with other tourist operators. We are now also putting up signs at each snorkel site in Bahasa Indonesia to spread awareness.

- Secured a repeated client – a school group of 50 students – which came on two trips this year. This school from Singapore has students of diverse background – Chinese, Korean, Japanese, and Indonesian – many of whom have never seen coral reefs or heard about marine conservation, and many of whom come from traditional families that consume shark fin soup. Being able to expose them to issues they have never been exposed to was an honour.

- Working with Wildlife Conservation Society (WCS). We have increased our involvement with the WCS who are based in Lombok and survey the sharks at the port. We have done some workshops with them, learned about the data they're collecting and how they see the future for this shark market. This has certainly helped us understand better the difficulties of trying to stop shark fishing, and understand what a more realistic approach to the project is.

4. Briefly describe the involvement of local communities and how they have benefitted from the project (if relevant).

We continue to engage six fishermen on our trips. Additionally, we engage their wives to prepare meals for us. For the first time this year, we took local students on their first ever snorkelling experience. Most of their fathers are shark fishermen. They said they have never snorkelled because they could not afford the equipment. On our trip they saw coral reefs for the first time. We also engage local restaurants and translators to help on our trip – as well as the Wildlife Conservation Society whom we make a donation to after engaging with them.

5. Are there any plans to continue this work?

Yes. We will continue to host day tourists and school groups. We are working to identify who our target audiences are and secure them as repeat clients. We realise this is the most effective way forward for what our trips offer – which is quite niche in the Singapore context. We are working to make our trips more educational for our guests – to tackle the demand side of shark products. We also educate guests about threats to coral reefs (through surveys), and plastics (through beach clean ups).

6. How do you plan to share the results of your work with others?

We have shared our outcomes on social media and through blogs (http://thedorsaleffect.com/blog/). We are also speaking at 'Asia for Animals' in Kathmandu this December about human behaviour change (from the shark fisherman's side, and consumer side).

7. Timescale: Over what period was The Rufford Foundation grant used? How does this compare to the anticipated or actual length of the project?

The grant was used October 206 to October 2017. This project is on-going – without a specific time frame. And it will continue.

8. Budget: Please provide a breakdown of budgeted versus actual expenditure and the reasons for any differences. All figures should be in £ sterling, indicating the local exchange rate used. 1 £ sterling = 4.44 Nuevo Sol

Item	Budgeted Amount	Actual Amount	Difference	Comments
Boat maintenance	504	0	504	Thankfully, none of the fishermen's boats broke down or needed repair this year.
Branding of boat	96	0	96	Unfortunately, this did not sell to our school groups. They did not choose

				painting the boat as an activity – hence we could not schedule to do this for the fishermen. But we keep it in mind for future groups.
Snorkelling equipment	840	757	83	This was pivotal to us securing the two groups of 50 students. Without this funding to buy new equipment, we would not have had enough to host this many students in one go.
Survey equipment	204	106	98	This enabled us to do our first marine surveys. Subsequently, the equipment has been used for all school trips. Students love to learn how to survey reefs and interpret their results afterwards.
Car rental	1500	1761	+261	Because of the huge groups we have hosted, the budget for travel was exceeded a bit.
TOTAL	**3144**	**2624**		**Because we did not have any boat repairs, or use our full equipment budget, this explains the difference. However, this funding will certainly be used up in the near future.**

9. Looking ahead, what do you feel are the important next steps?

To increase our understanding of our position. After working with WCS, we understand how complex the issue is and how our operations will not solve the shark crisis occurring in Indonesia – as 500 people in Lombok alone depend on the industry. Therefore, we feel our strength is positioning ourselves as educators, tackling the demand side of shark fin soup and raising awareness about marine conservation through our trips. With time, we may be able to contribute to stopping the shark fishing issue – but this is further down the line when there is more capacity to shift the industry away from shark fishing.

We also see it as crucial to take a lead in protecting the coral reefs we use for tourism. We will do this by setting an example for other operators to ensure the reefs are snorkelled at responsibly.

10. Did you use The Rufford Foundation logo in any materials produced in relation to this project? Did the RSGF receive any publicity during the course of your work?

Yes – in all our presentations we displayed the logo and also featured it on our website and social media.

11. Any other comments?

Thank you very much for the grant. If not for this grant we would not have been able to do our marine health surveys (the start to our action to preserve the reefs there) or secure our biggest ever groups (as we didn't have enough equipment). Thank you for your support and for helping us this year.

CORAL

Group 4
25/10/2017
(Wednesday)

Snorkelling Survey

***Transect 1**

Name of site:

Number of fish in transect:

28

Density of fish:

Coral health check at 1m marks:

1m:	78%	7m:	92%
2m:	80%	8m:	94%
3m:	90%	9m:	83%
4m:	100%	10m:	90%
5m:	100%	11m:	
6m:	98%	12m:	

% Of healthy coral: 92%

Comments:

Overall pretty clear.

***Transect 2**

Name of site:

Number of fish in transect:

36

Density of fish:

Coral health check at 1m marks:

1m:	75%	7m:	0%
2m:	85%	8m:	85%
3m:	90%	9m:	90%
4m:	83%	10m:	
5m:	87%	11m:	
6m:	84%	12m:	

% Of healthy coral:

Comments:

There was one big completely dead coral (0%)

***Transect 3**

Name of site:

Number of fish in transect:

49

Density of fish:

Coral health check at 1m marks:

1m:	100%	7m:	85%
2m:	100%	8m:	95%
3m:	90%	9m:	100%
4m:	95%	10m:	100%
5m:	92%	11m:	
6m:	94%	12m:	

% Of healthy coral:

Comments:

Overall pretty clear.

FISH

Snorkelling Survey

***Transect 1**

Name of site: TANJUNG CUMI

Number of fish in transect:

28

Density of fish:

Coral health check at 1m marks:

1m:	4	7m:	1
2m:	5	8m:	3
3m:	4	9m:	1
4m:	3	10m:	1
5m:	5	11m:	
6m:	1	12m:	

% Of healthy coral:

Comments:

This site had tiny fish species so it's possible we didn't see them all.

***Transect 2**

Name of site: GILI PETELU

Number of fish in transect:

36

Density of fish:

Coral health check at 1m marks:

1m:	3	7m:	3
2m:	4	8m:	1
3m:	3	9m:	1
4m:	8	10m:	1
5m:	10	11m:	
6m:	9	12m:	

% Of healthy coral:

Comments:

There was one big dead coral, but the other corals were pretty healthy so there were moderate amount of fish.

***Transect 3**

Name of site: SEMANGKOK

Number of fish in transect:

49

Density of fish:

Coral health check at 1m marks:

1m:	3	7m:	8
2m:	4	8m:	5
3m:	2	9m:	2
4m:	0	10m:	1
5m:	12	11m:	
6m:	12	12m:	

% Of healthy coral:

Comments:

This place had a lot of healthy corals so there were a lot of fish in big groups.

Coral

Snorkelling Survey

***Transect 1**

Name of site:

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m: _____ 7m: _____
2m: _____ 8m: _____
3m: _____ 9m: _____
4m: _____ 10m: _____
5m: _____ 11m: _____
6m: _____ 12m: _____

% Of healthy coral: 15 %

Comments:

***Transect 2**

Name of site:

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m: _____ 7m: _____
2m: _____ 8m: _____
3m: _____ 9m: _____
4m: _____ 10m: _____
5m: _____ 11m: _____
6m: _____ 12m: _____

% Of healthy coral: 85 %

Comments:

- Most healthy coral

***Transect 3**

Name of site:

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m: _____ 7m: _____
2m: _____ 8m: _____
3m: _____ 9m: _____
4m: _____ 10m: _____
5m: _____ 11m: _____
6m: _____ 12m: _____

% Of healthy coral: 70 %

Comments:

~~G1~~ Group 1. 25/10/2017 (Wed)

FISH

Snorkelling Survey

***Transect 1**

Name of site: TANJUNG CUMI

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m:	1	7m:	0
2m:	1	8m:	1
3m:	2	9m:	3
4m:	2	10m:	3
5m:	1	11m:	
6m:	1	12m:	

% Of healthy coral:

Comments:
- Strong tide

***Transect 2**

Name of site: GILI PETUNG

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m:	10	7m:	11
2m:	32	8m:	11
3m:	20	9m:	12
4m:	20	10m:	30
5m:	17	11m:	
6m:	6	12m:	

% Of healthy coral:

Comments:
- MOST amount of fish

***Transect 3**

Name of site: SEMANG KOK

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m:	2	7m:	0
2m:	0	8m:	0
3m:	0	9m:	0
4m:	0	10m:	0
5m:	0	11m:	
6m:	0	12m:	

% Of healthy coral:

Comments:
- LEAST amount of fish
- Cold

27

GROUP (3)

25/10/2017

Snorkelling Survey

***Transect 1**

Name of site: (Wednesday) TAH JUNG CAVE

Number of fish in transect: 6

Density of fish:

Coral health check at 1m marks:

1m: No coral
2m: No coral
3m: No coral
4m: Not bleached
5m: Not bleached
6m: Not bleached
7m: Not bleached
8m: Not bleached
9m: No coral not bleached
10m: Not bleached
11m:
12m:

% Of healthy coral: 3.7%

Comments: 27 types of coral in total

***Transect 2**

Name of site: GILI PEQUA

Number of fish in transect: A lot

Density of fish:

Coral health check at 1m marks:

1m: not bleached
2m: a little but mostly x bleached
3m: not bleated
4m: bleacded
5m: bleaded
6m: partly bleaded
7m: partly bleacded
8m: 50% bleacded
9m: partly bleacded
10m: bleaded
11m:
12m:

% Of healthy coral:

Comments:

***Transect 3**

Name of site: SEMANG KOK

Number of fish in transect: > 227

Density of fish:

Coral health check at 1m marks:

Partially bleached
1m: ~~few bleached~~
2m: Non bleached
3m: ~~Non~~ Bleached
4m: Partially bleached
5m: Bleached
6m: Bleached
7m: Partially bleached
8m: 40% bleached
9m: Bleached
10m: Bleached
11m:
12m:

% Of healthy coral: 31.81%

Comments:

22

Snorkelling Survey

***Transect 1**

Name of site:

Number of fish in transect: 6

Density of fish:

Coral health check at 1m marks:

1m: starfish x1
2m: Jellyfish x1
3m:
4m:
5m:
6m: Small fish x1
7m:
8m: fish x2
9m: Starfish x2
10m: Starfish x1
11m:
12m:

% Of healthy coral:

Comments:

***Transect 2**

Name of site:

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m: ↑ fish
2m: 8 fish 4 types
3m: 2 types
4m: 2 fish
5m: sea urchin
6m: 2 sea urchin
7m: 4 fish/2 types
8m: × fish
9m: × fish
10m: ↑ fish
11m:
12m:

% Of healthy coral:

Comments:

***Transect 3**

Name of site:

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m: 2/3 fish
2m: 6 fish
3m: 11 fish
4m: >10 fish
5m: 9 fish
6m: 5 fish
7m: >50 fish
8m: >50 fish
9m: 50-60 fish
10m: 50-60 fish
11m:
12m:

% Of healthy coral:

Comments:

Snorkelling Survey

***Transect 1**

Name of site:

Number of fish in transect:

41

Density of fish: 4.1

Coral health check at 1m marks: % live

1m:	65	7m:	50
2m:	80	8m:	20
3m:	65	9m:	10
4m:	10	10m:	60
5m:	40	11m:	
6m:	10	12m:	

% Of healthy coral: ~~351~~ 35.1

Comments:

Tape was waving and swimming, fish were going around. fish color same as coral

The range of 1m² is hard site where warm & cool currents mix

***Transect 2**

Name of site:

Number of fish in transect:

33

Density of fish: 3.3

Coral health check at 1m marks: % ~~the~~ live

1m:	20	7m:	60
2m:	50	8m:	50
3m:	60	9m:	80
4m:	40	10m:	80
5m:	50	11m:	
6m:	20	12m:	

% Of healthy coral: 51

Comments:

Don't sleep on top of boat with a ~~tank~~top.

* Lot's of cool things such as chocolate chip starfish, school of ~~trevally~~ squad, small stingray.

***Transect 3**

Name of site:

Number of fish in transect:

28

Density of fish: 2.8

Coral health check at 1m marks:

1m:	99	7m:	60
2m:	99	8m:	80
3m:	80	9m:	60
4m:	90	10m:	
5m:	70	11m:	
6m:	75	12m:	

% Of healthy coral: 71.3

Comments:

This site was the site next to the rock wall.

Lot's of baby fish at big corals next to the wall because it's safer - the current is less intense and the water is warm

Fish

Group ②
25/10/12
(Wednesday)

Snorkelling Survey

***Transect 1**

Name of site: TANJUNG CUMI

Number of fish in transect:

Fish

Density of fish:

Coral health check at 1m marks:

1m:	1	7m:	2
2m:	5	8m:	3
3m:	3	9m:	4
4m:	3	10m:	7
5m:	3	11m:	
6m:	3	12m:	

% Of healthy coral:

Comments:

***Transect 2**

Name of site: GILI PETULU

Number of fish in transect:

Fish

Density of fish:

Coral health check at 1m marks:

1m:	3	7m:	13
2m:	0	8m:	0
3m:	1	9m:	6
4m:	6	10m:	4
5m:	7	11m:	
6m:	0	12m:	

% Of healthy coral:

Comments:

***Transect 3**

Name of site: SEMANG KOK

Number of fish in transect:

Fish

Density of fish:

Coral health check at 1m marks:

1m:	6	7m:	1
2m:	4	8m:	6
3m:	2	9m:	2
4m:	2	10m:	1
5m:	7	11m:	
6m:	3	12m:	

% Of healthy coral:

Comments:

CORAL Group 6

leader : Jason

Snorkelling Survey

***Transect 1** **Name of site:**

Number of fish in transect: Density of fish:

Coral health check at 1m marks: Telane

1m:	10	7m:	20
2m:	40	8m:	50
3m:	60	9m:	40
4m:	10	10m:	10
5m:	40	11m:	
6m:	30	12m:	

% Of healthy coral: 30%

Comments:

lots of dead coral

***Transect 2** **Name of site:**

Number of fish in transect: Density of fish:

Coral health check at 1m marks: Secret garden

1m:	50	7m:	50
2m:	30	8m:	50
3m:	90	9m:	0
4m:	50	10m:	0
5m:	90	11m:	
6m:	50	12m:	

% Of healthy coral: 46%

Comments:

really cold

hard to keep

track with time

***Transect 3** **Name of site:**

Number of fish in transect: 4 Density of fish:

Coral health check at 1m marks: ~~Sem~~ semongkok

1m:	50	7m:	80
2m:	30	8m:	90
3m:	20	9m:	10
4m:	30	10m:	10
5m:	40	11m:	
6m:	50	12m:	

% Of healthy coral: 53%

Comments:

current strong

hard to stay on point

FISH

Snorkelling Survey

***Transect 1**

Name of site: Talare

Number of fish in transect:

Density of fish:

Coral health check at 1m marks: Talare

1m:	0/0	7m:	0/0
2m:	0/0	8m:	20/5
3m:	50/2	9m:	0/0
4m:	0/0	10m:	30/2
5m:	50/1	11m:	
6m:	0/0	12m:	

number/diversity

% Of healthy coral:

Comments:

***Transect 2**

Name of site:

Number of fish in transect:

Density of fish:

Coral health check at 1m marks: Secret garden

1m:	20/3	7m:	20/4
2m:	10/2	8m:	30/3
3m:	40/5	9m:	3/2
4m:	0/0	10m:	0/0
5m:	30/4	11m:	
6m:	20/3	12m:	

% Of healthy coral:

Comments:

***Transect 3**

Name of site:

Number of fish in transect: Semangkok

Density of fish:

Coral health check at 1m marks:

1m:	5/1	7m:	3/1
2m:	0/0	8m:	10/2
3m:	0/0	9m:	10/3
4m:	3/2	10m:	5/4
5m:	20/4	11m:	
6m:	5/1	12m:	

% Of healthy coral:

Comments:

deep water

not clear view

FISH

Snorkelling Survey

***Transect 1** **Name of site:**

Number of fish in transect: Density of fish:

~~Coral health~~ check at 1m marks:

1m:	0	7m:	0
2m:	7	8m:	2
3m:	5	9m:	0
4m:	7	10m:	1
5m:	0	11m:	
6m:	0	12m:	

% Of healthy coral:

Comments:

***Transect 2** **Name of site:**

Number of fish in transect: Density of fish:

Coral health check at 1m marks:

1m:	6	7m:	17
2m:	5	8m:	34
3m:	18	9m:	26
4m:	12	10m:	29
5m:	16	11m:	
6m:	26	12m:	

% Of healthy coral:

Comments:

***Transect 3** **Name of site:**

Number of fish in transect: Density of fish:

Coral health check at 1m marks:

1m:	0	7m:	0
2m:	0	8m:	1
3m:	0	9m:	0
4m:	0	10m:	0
5m:	0	11m:	
6m:	0	12m:	

% Of healthy coral:

Comments:

S GROUP

CORAL

Snorkelling Survey

***Transect 1**

Name of site: 1 Telune

Number of fish in transect:

Density of fish: 22

Coral health check at 1m marks:

1m:	30%	7m:	30
2m:	30	8m:	70
3m:	20	9m:	0
4m:	15	10m:	0
5m:	10	11m:	
6m:	30	12m:	

% Of healthy coral:

Comments:

***Transect 2**

Name of site: Secret garden

Number of fish in transect:

Density of fish: 189

Coral health check at 1m marks:

1m:	100	7m:	10
2m:	95	8m:	60
3m:	75	9m:	40
4m:	50	10m:	30
5m:	70	11m:	
6m:	70	12m:	

% Of healthy coral:

Comments:

Beautiful environment

***Transect 3**

Name of site: Semang kok

Number of fish in transect:

Density of fish: 1

Coral health check at 1m marks:

1m:	95	7m:	80
2m:	80	8m:	60
3m:	95	9m:	90
4m:	95	10m:	80
5m:	70	11m:	
6m:	65	12m:	

% Of healthy coral:

Comments:

Difficult due to current

CORAC

Group 8

Snorkelling Survey

***Transect 1**

Name of site: Telune

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m:	80	7m:	80
2m:	65	8m:	60
3m:	60	9m:	40
4m:	10	10m:	60
5m:	85	11m:	-
6m:	40	12m:	-

% Of healthy coral: 63

Comments:

None

***Transect 2**

Name of site: Secret Garden

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m:	50	7m:	60
2m:	30	8m:	40
3m:	30	9m:	20
4m:	60	10m:	50
5m:	30	11m:	
6m:	50	12m:	

% Of healthy coral: 46

Comments:

None

***Transect 3**

Name of site: Semangkok

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m:	50	7m:	60
2m:	30	8m:	90
3m:	30	9m:	80
4m:	60	10m:	70
5m:	36	11m:	
6m:	50	12m:	

% Of healthy coral: 55

Comments:

Very deep. Inaccurate

FISH

Snorkelling Survey

***Transect 1**

Name of site: Telure

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m:	7	7m:	44
2m:	26	8m:	50
3m:	20	9m:	37
4m:	15	10m:	40
5m:	78	11m:	
6m:	80	12m:	44

% Of healthy coral:

Comments:

***Transect 2**

Name of site: Secret Garden

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m:	7	7m:	25
2m:	14	8m:	21
3m:	38	9m:	14
4m:	23	10m:	17
5m:	31	11m:	
6m:	20	12m:	

% Of healthy coral:

Comments:

***Transect 3**

Name of site: Semangkok

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m:	4	7m:	0
2m:	4	8m:	1
3m:	2	9m:	0
4m:	1	10m:	2
5m:	2	11m:	1
6m:	6	12m:	

% Of healthy coral:

Comments:

CORAL

Snorkelling Survey

***Transect 1** ~~Coral~~

Name of site: Telune

Number of fish in transect:

Density of fish:

~~Coral health check at 1m marks:~~

1m:	0	7m:	
2m:	4	8m:	
3m:	28	9m:	
4m:	12	10m:	
5m:	7	11m:	
6m:		12m:	

% Of healthy coral:

Comments:

Strong current :
(Find a landmark for the people who's doing transect holding)

***Transect 2**

Name of site: Secret garden

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m:	90	7m:	65
2m:	70	8m:	90
3m:	10	9m:	80
4m:	40	10m:	70
5m:	45	11m:	90
6m:	30	12m:	

62

% Of healthy coral: ~~9~~ %

Comments:

In this area, we saw different shapes of corls, like brains, tree. The tree shape one is the most ~~common~~ common one.

(Low temperature!) Cold

***Transect 3**

Name of site: Semangkok

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m:	95	7m:	30
2m:	95	8m:	50
3m:	80	9m:	50
4m:	95	10m:	30
5m:	97	11m:	90
6m:	85	12m:	

% Of healthy coral: 72 %

Comments:

We saw different colors of corls, like blue, red, green and brown. The brown one are the most common one.

FISH

group 7

Snorkelling Survey

***Transect 1**

Name of site:

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m: _____
2m: _____
3m: _____
4m: _____
5m: _____
6m: _____
7m: _____
8m: _____
9m: _____
10m: _____
11m: _____
12m: _____

% Of healthy coral: _____

Comments:
strong current
- lost per
- location moved all the time

***Transect 2**

Name of site: secret garden

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m: 20
2m: 20
3m: 31
4m: 36
5m: 31
6m: 15
7m: 32
8m: 32
9m: 10
10m: 11
11m: _____
12m: _____

% Of healthy coral: _____

Comments:
17

***Transect 3**

Name of site: semaney kok

Number of fish in transect:

Density of fish:

Coral health check at 1m marks:

1m: 0
2m: 4
3m: 28
4m: 12
5m: 7
6m: 15
7m: 7
8m: 12
9m: 10
10m: 0
11m: _____
12m: _____

% Of healthy coral: _____

Comments:
11