Table 1 Description of the Seabed Composition Recorded along Each REA Survey
Transect during the Post-Project Coral Monitoring Survey (1)

Transect	Depth (-m CD)	Description
Zone A -		nson (Monitoring Site)
Transect	_	(· · · · · · · · · · · · · · · · ·
Shallow	~5	The seabed was composed of rubbles and small boulders. The hard coral cover was low (< 5%) with 4 hard coral species <i>Oulastrea crispata</i> , <i>Goniopora stutchburyi</i> , <i>Psammocora superficialis</i> and <i>Cyphastrea chalcidicum</i> recorded. The octocoral cover was low (< 5%) with four species (<i>Paraplexaura</i> sp., <i>Echinomuricea</i> sp., <i>Viminella</i> sp. and <i>Ellisella</i> sp.) recorded.
Deep	~9	The seabed was mainly composed of sand (~50%). No hard coral colonies were found. The octocoral cover was low (between 6-10%) with gorgonians growing on sand. Seven species of octocorals (<i>Echinomuricea</i> sp., <i>Paraplexaura</i> sp., <i>Menella</i> sp., <i>Euplexaura</i> sp., <i>Muricella</i> sp., <i>Sinularia</i> sp. and <i>Dendronephthya</i> sp.) were recorded.
Transect	2	
Shallow	~5	The seabed was mainly composed of bedrocks (~60%). The hard coral cover was low (< 5%) with 2 hard coral species <i>Oulastrea crispata</i> and <i>Psammocora superficialis</i> recorded. The octocoral cover was low (< 5%) with 6 species (<i>Dendronethphya</i> sp., <i>Ellisella</i> sp. <i>Echinomuricea</i> sp., <i>Euplexaura</i> sp., <i>Paraplexaura</i> sp. and <i>Menella</i> sp.) recorded.
Deep	~8-9	The seabed was mainly composed of bedrocks (~50%). No hard coral colonies were found. The octocoral cover was low (between 6-10%) with 6 species (<i>Dendronethphya</i> sp., <i>Dichotella</i> sp., <i>Paraplexaura</i> sp., <i>Echinomuricea</i> sp. and <i>Euplexaura</i> sp. and <i>Viminella</i> sp.) recorded. Two species of black corals, <i>Antipathes curvata</i> and <i>Cirrhipathes</i> sp., were recorded.
Transect	3	1002.404.
Shallow		The seabed was mainly composed of bedrocks (~60%). The hard coral
Deep	~9	cover was low (< 5%) with 3 hard coral species <i>Oulastrea crispata</i> , <i>Goniopora stutchburyi</i> and <i>Plesiastrea versipora</i> recorded. The octocoral cover was low (< 5%) with 7 species (<i>Dendronethphya</i> sp., <i>Scleronephthya gracillicum</i> , <i>Ellisella</i> sp. <i>Echinomuricea</i> sp., <i>Viminella</i> sp., <i>Paraplexaura</i> sp., <i>Euplexaura</i> sp. and <i>Menella</i> sp.) recorded. The seabed was mainly composed of bedrocks (~60%). No hard coral species was found. The octocoral cover was between 6-10% with 6 species (<i>Paraplexaura</i> sp., <i>Echinomuricea</i> sp., <i>Euplexaura</i> sp., <i>Anthogorgia</i>
7 P	T.I.	sp., Dendronephthya sp. and Scleronephthya gracillicum) recorded.
		ai (Monitoring Site)
Transect		The seebed was mainly compaced of hadracks (> 000/) No harman
Shallow	~2-5	The seabed was mainly composed of bedrocks (> 80%). No hermatypic hard coral species was recorded while 1 species of ahermatypic hard coral (<i>Tubastrea/Dendrophyllia</i> sp.) was recorded. The octocoral cover was about 5% with 4 species (<i>Dendronephthya</i> sp., <i>Menella</i> sp., <i>Euplexaura</i> sp., <i>Paraplexaura</i> sp.) recorded.
Deep	~5-15	The seabed was mainly composed of bedrocks (> 80%). No hard coral species was recorded. The octocoral cover was between 11-30% with 8 species (<i>Dendronephthya</i> sp., <i>Menella</i> sp., <i>Euplexaura</i> sp., <i>Paraplexaura</i> sp., <i>Anthogorgia</i> sp., <i>Acanthogorgia</i> sp., <i>Verrucella</i> sp. and <i>Echinomuricea</i> sp.) recorded. Black coral colonies, <i>Antipathes curvata</i> and <i>Cirrhipathes</i> sp. were observed.

⁽¹) Since conditions of major biotic and abiotic attributes are similar between the Baseline and Post Project Coral Monitoring Surveys, the descriptions of seabed composition provided in this table are based on data recorded from both surveys.

Transect	Depth	Description
	(-m CD)	•
Transect	2	
Shallow	~2-5	The seabed was mainly composed of bedrocks (> 80%). The hard coral cover was extremely low (< 5%) with 3 species <i>Goniopora stutchburyi</i> , <i>Cyphastrea chalcidicum</i> and <i>Psammocora superficialis</i> recorded. Colonies of ahermatypic hard coral <i>Tubastrea/Dendrophyllia</i> sp. were found. The octocoral cover was about 5% with 3 species (<i>Euplexaura</i> sp., <i>Paraplexaura</i> sp. and <i>Echinomuricea</i> sp.) recorded.
Deep	~5-15	The seabed was mainly composed of bedrocks (> 80%). No hard coral species were recorded. The octocoral cover was between 11-30% with 7 species (<i>Dendronephthya</i> sp., <i>Menella</i> sp., <i>Euplexaura</i> sp., <i>Paraplexaura</i> sp., <i>Anthogorgia</i> sp., <i>Verrucella</i> sp. and <i>Echinomuricea</i> sp.) recorded. Black coral colonies, <i>Antipathes curvata</i> and <i>Cirrhipathes</i> sp. were observed.
		; Chau (Control Site)
Transect		
Shallow	~5	The seabed was mainly composed of bedrocks (~80%). The hard coral cover was low (< 5%) with 7 hermatypic hard coral species <i>Goniopora</i> stutchburyi, Psammocora superficialis, Cyphastrea chalcidicum, Plesiastrea versipora, Porites lobata, Montipora mollis and Montipora venosa recorded. One species of ahermatypic hard coral Tubastrea/ Dendrophyllia sp. was recorded. The octocoral cover was very low (< 5%) with Dendronephthya sp. and Scleronephthya gracillicum recorded.
Deep Transect	~10	The seabed was mainly composed of bedrocks (~60%). The hard coral cover was low (<5%). The octocoral cover was low (< 10%) with Euplexaura sp., Paraplexaura sp., Dendronephthya sp. and Scleronephthya gracillicum recorded.
Shallow		The seabed was mainly composed of bedrocks (~40%). The hard coral
Deep	~8	cover was low (< 5%) with 7 species <i>Montipora peltiformis, Porites lobata, Cyphastrea chalcidicum, Favites chinensis, Goniopora stutchburyi, Montipora venosa</i> and <i>Plesiastrea verisipora</i> recorded. One species of ahermatypic hard coral <i>Tubastrea/Dendrophyllia</i> sp. was recorded. The octocoral cover was very low (< 5%) with only a few small colonies of <i>Dendronephthya</i> sp. recorded. The seabed was mainly composed of bedrocks (~80%). The hard coral
- 557		cover was low (< 5%) with 3 species <i>Plesiastrea versipora</i> , <i>Porites lobata</i> and <i>Psammocora superficialis</i> recorded. The octocoral cover was low (< 10%) with <i>Acanthogorgia</i> sp., <i>Echinomuricea</i> sp., <i>Euplexaura</i> sp., <i>Menella</i> sp., <i>Dendronephthya</i> sp. and <i>Scleronephthya gracillicum</i> recorded.
Transect	3	
Shallow	5	The seabed was mainly composed of bedrocks and small boulders. The hard coral cover was low (< 5%) with 5 species <i>Montipora venosa, Porites lobata, Goniopora stutchburyi, Plesiastrea verisipora</i> and <i>Cyphastrea chalcidicum</i> recorded. One species of ahermatypic hard coral <i>Tubastrea/Dendrophyllia</i> sp. was recorded. The octocoral cover was very low (< 5%) with <i>Echinomuricea</i> sp. recorded.
Deep	~9	The seabed was mainly composed of bedrocks (50%). The hard coral cover was low (< 5%) with 4 species <i>Montipora peltiformis, Goniopora stutchburyi, Cyphastrea chalcidicum</i> and <i>Psammocora superficialis</i> recorded. The octocoral cover was low (< 10%) with <i>Paraminabea</i> sp., <i>Euplexaura</i> sp., <i>Echinogorgia</i> sp., <i>Dendronephthya</i> sp. and <i>Scleronephthya gracillicum recorded</i> . Two species of black corals, <i>Antipathes curvata</i> and <i>Cirrhipathes</i> sp., were recorded.

Table 2 Ordinal Rank of Percentage Cover of Seabed Attributes along the REA Survey Transects during the Post-Project Coral Monitoring

Zone		A							В		С					
Depth (a)	S1	S2	S3	D1	D2	D3	S1	S2	D1	D2	S1	S2	S3	D1	D2	D3
Seabed attributes (b)																
Bedrock	0	5	4	1	5	5	6	6	6	6	6	4	4	5	6	4
Boulders – large	3	2	3	2	3	3	1	2	3	3	0	3	3	2	2	2
Boulders – small	3	2	3	3	3	2	1	1	2	2	0	3	3	2	0	3
Rock	1	1	1	1	1	1	0	0	0	0	1	2	1	1	0	1
Rubble	3	2	1	2	1	1	1	1	1	1	1	2	1	2	0	2
Sand	2	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1
Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ecological attributes (b)																
Hard coral	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dead standing coral	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Octocoral	1	1	1	2	2	2	1	1	3	3	1	1	1	2	2	2
Black coral	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Turf algae	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
Macroalgae	1	1	1	1	1	1	1	1	2	2	0	0	0	1	1	1
Coralline algae	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Notes:

- (a) s = shallow water; m = mid water; d=deep water
- (b) 1=<5% Cover, 2= 6-10% Cover, 3 = 11-30% Cover, 4 = 31-50% Cover, 5 = 51-75% Cover, 6 = 76-100% Cover. Also refer to *Table 2.2*.

Table 3 Ordinal Rank of Taxon Abundance along the REA Survey Transects during the Post-Project Coral Monitoring Survey

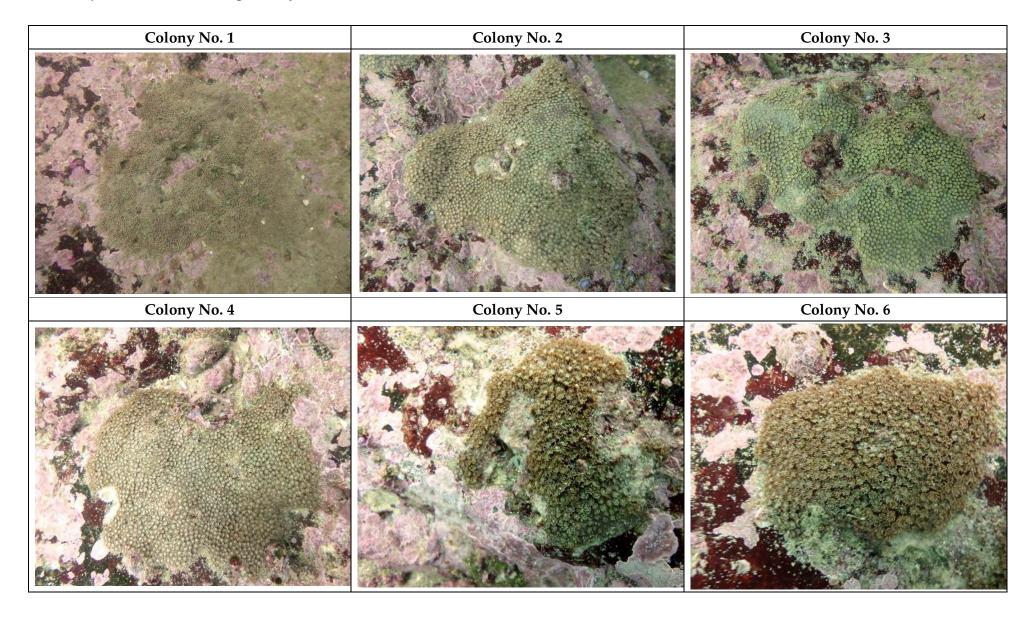
Type	Taxon/ Family	Species	A	A	A	A	A	A	В	В	В	В	С	С	С	С	С	С
	-	Depth (a)	S1	S2	S3	D1	D2	D3	S1	S2	D1	D2	S1	S2	S3	D1	D2	D3
Hard Coral	Acroporidae	Montipora peltiformis												2				2
	-	Montipora mollis											3					
		Montipora venosa											3	3	3			
	Siderastreidae	Psammocora	1	1						1			2				2	2
		superficialis																
	Dendrophyllidae	Turbinaria peltata																
		Tubastrea/		1					3	3			2	2	2			
		Dendrophyllia sp.																
	Faviidae	Cyphastrea	1							1			2	2	2			1
		chalcidicum																
		Favites chinensis												1				
		Oulastrea crispata	3	1	2	1												
		Plesiastrea versipora			1								2	2	2			
	Poritidae	Goniopora stutchburyi	2		1					2			2	2	2		2	1
		Porites lobata											2	1	2		2	
Octocoral	Acanthogorgiidae	Acanthogorgia sp.									1						1	
		Anthogorgia sp.						2			1							
		Muricella sp.																
	Alcyoniidae	Paraminabea sp.																2
		Sinularia sp.				1		1										
	Nephtheidae	Dendronephthya sp.		2	4	1	1	4	3		3	3	2	2		3	3	2
		Scleronephythya sp.			1			3					2			2	2	2
	Plexauridae	Astrogorgia sp.																
		Echinogorgia sp.					2											1
		Echinomuricea sp.	2	3	3	4	3	3		2	2	2			2		2	
		Euplexaura sp.		2	2	2		2	2	2	2					2	1	1
		Menella sp.		2		2			2		2	2					1	
		Paraplexaura sp.	1	1	2	1	1	2	2	2	1					1		
	Ellisiidae	Dichotella sp.					1											
		Ellisella sp.	1	1	1													
		Viminella sp.	1		1		1											
		Verrucella sp.									1							
Black Coral	Antipathidae	Antipathes sp.					1				1	1						1
	•	Cirrhipathes sp.					1				1	1						1

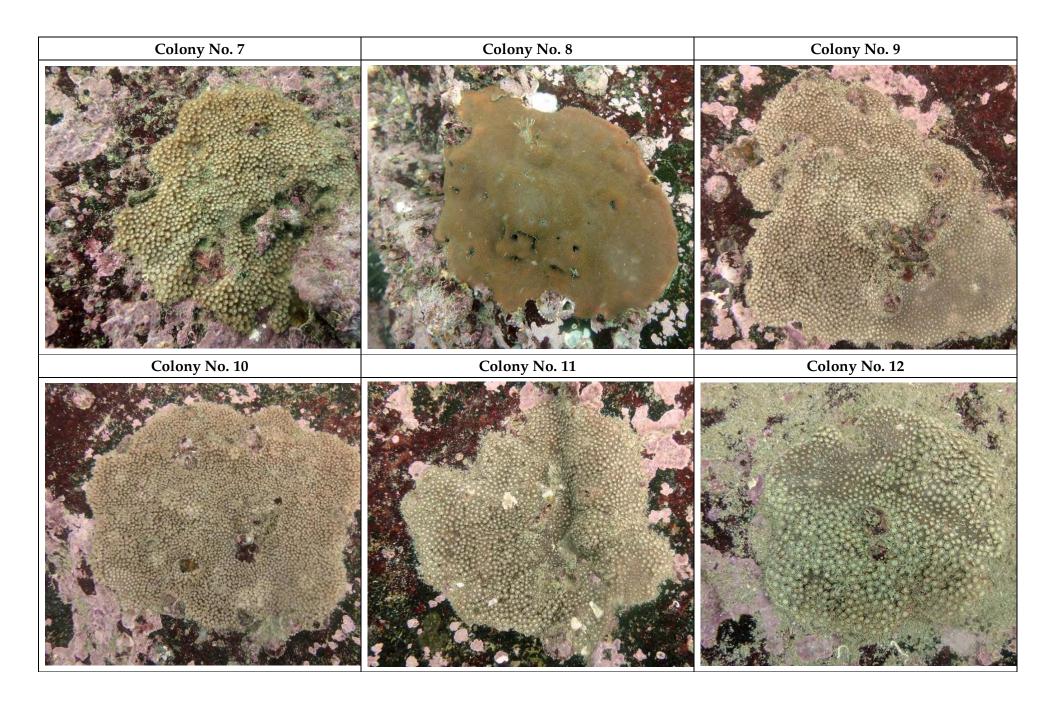
Notes:* Abundance rating (refer to *Table 2.3*): 1 = rare; 2 = uncommon; 3 = common; 4 = abundant.

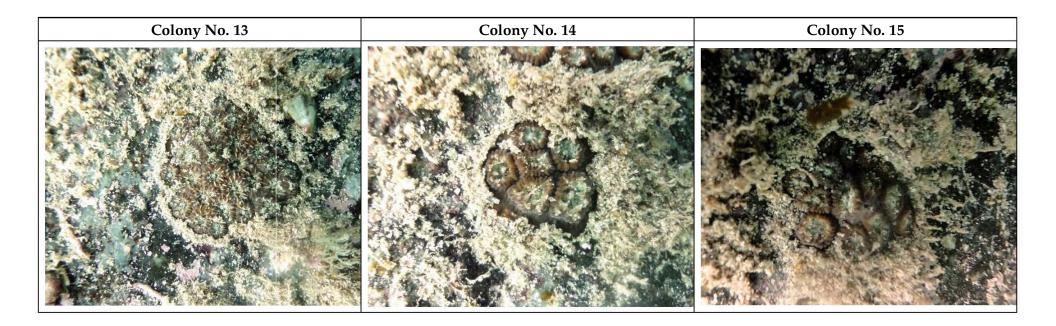
Table 4 Monitoring Data Recorded for the Selected Coral Colonies in Zone A (Cape Collinson) during Post-Project Coral Colony Monitoring Survey

Coral No.	Family	Genus	Species	Max. diameter (cm)	Max. height (cm)	Max. width (cm)	Sediment cover (%)	Sediment color	Sediment Texture	Sediment thickness (cm)	Bleached area (%)	Partial mortality	Physical damage to colonies
Hard (Corals												
1	Poritidae	Goniopora	stutchburyi	23	N/A	N/A	1	Light yellow	Fine	1mm	N/A	N/A	N/A
2	Poritidae	Goniopora	stutchburyi	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	Poritidae	Goniopora	stutchburyi	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	Poritidae	Goniopora	stutchburyi	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	Poritidae	Goniopora	stutchburyi	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	Poritidae	Goniopora	stutchburyi	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	Poritidae	Goniopora	stutchburyi	12	N/A	N/A	1	Light yellow	Fine	<1mm	N/A	N/A	N/A
8	Siderastreidae	Psammocora	superficialis	16	N/A	N/A	1	Light yellow	Fine	<1mm	N/A	N/A	N/A
9	Poritidae	Gonipora	stutchburyi	16	N/A	N/A	1	Light yellow	Fine	<1mm	N/A	N/A	N/A
10	Poritidae	Gonipora	stutchburyi	19	N/A	N/A	1	Light yellow	Fine	<1mm	N/A	N/A	N/A
11	Poritidae	Gonipora	stutchburyi	12	N/A	N/A	1	Light yellow	Fine	<1mm	N/A	N/A	N/A
12	Poritidae	Gonipora	stutchburyi	10	N/A	N/A	1	Light yellow	Fine	<1mm	N/A	N/A	N/A
13	Faviidae	Oulastrea	crispata	4	N/A	N/A	5	Light yellow	Fine	<1mm	N/A	N/A	N/A
14	Faviidae	Oulastrea	crispata	2	N/A	N/A	1	Light yellow	Fine	<1mm	N/A	N/A	N/A
15	Faviidae	Oulastrea	crispata	3	N/A	N/A	1	Light yellow	Fine	<1mm	N/A	N/A	N/A
Octoco	orals												
1	Plexauridae	Echinomuricea		N/A	17	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Plexauridae	Echinomuricea		5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	Plexauridae	Echinomuricea		9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	Plexauridae	Echinomuricea		21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	Plexauridae	Echinomuricea		N/A	15	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	Acanthogorgiidae	Anthogorgia		N/A	23	23	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	Plexauridae	Echinogorgia		N/A	10	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	Plexauridae	Echinogorgia		N/A	14	16	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	Ellisellidae	Viminella		7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10	Plexauridae	Paraplexaura		N/A	28	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11	Plexauridae	Paraplexaura		N/A	30	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12	Plexauridae	Echinomuricea		N/A	25	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
13	Plexauridae	Paraplexaura		N/A	31	27	N/A	N/A	N/A	N/A	N/A	N/A	N/A
14	Plexauridae	Euplexaura		10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15	Ellisellidae	Dichotella		N/A	26	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A

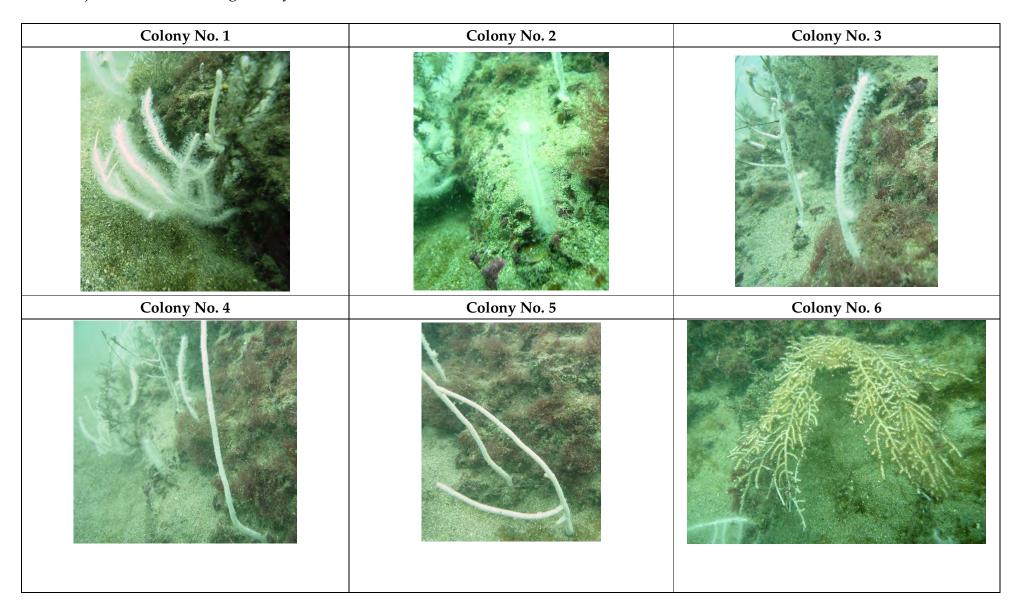
Annex B1 Photographic Records of Hard Coral Colonies Assessed at Zone A - Cape Collinson during the Coral Colony Monitoring for the Post-Project Coral Monitoring Survey

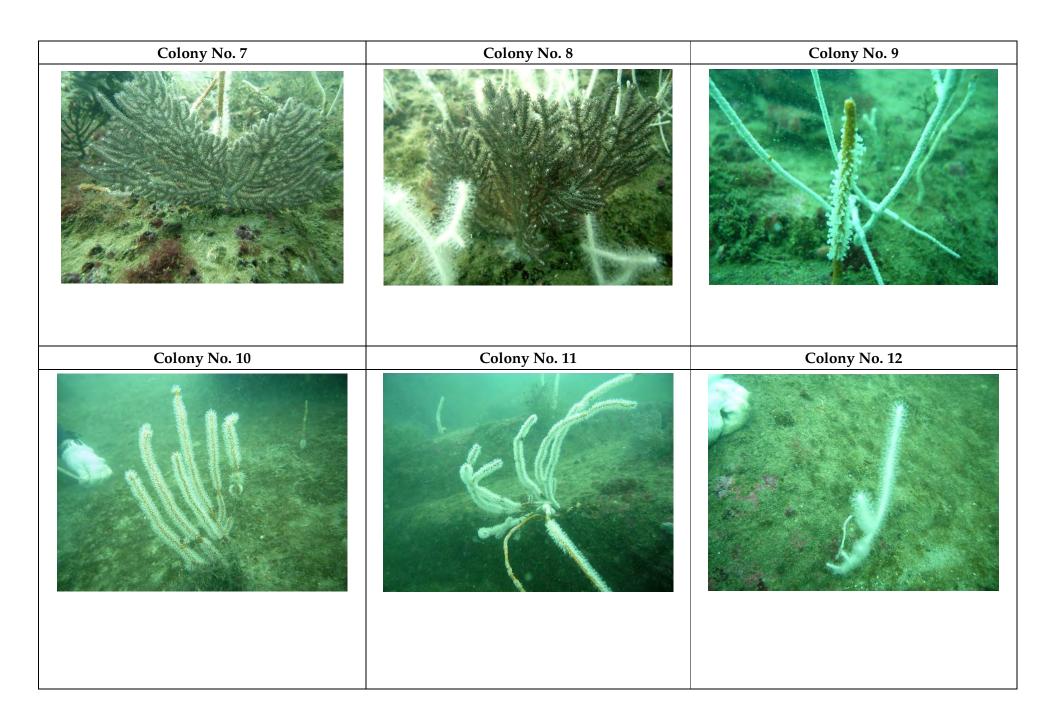


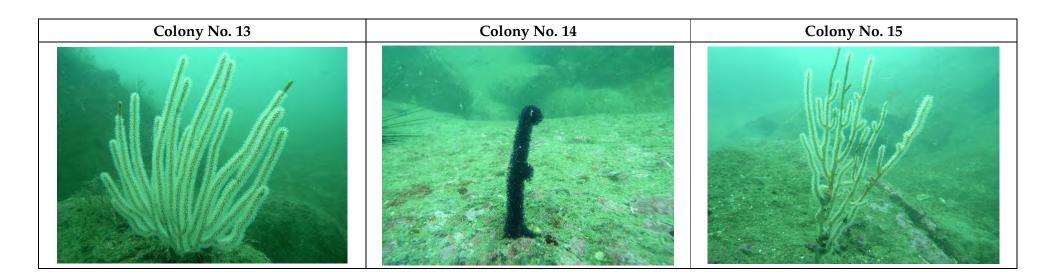




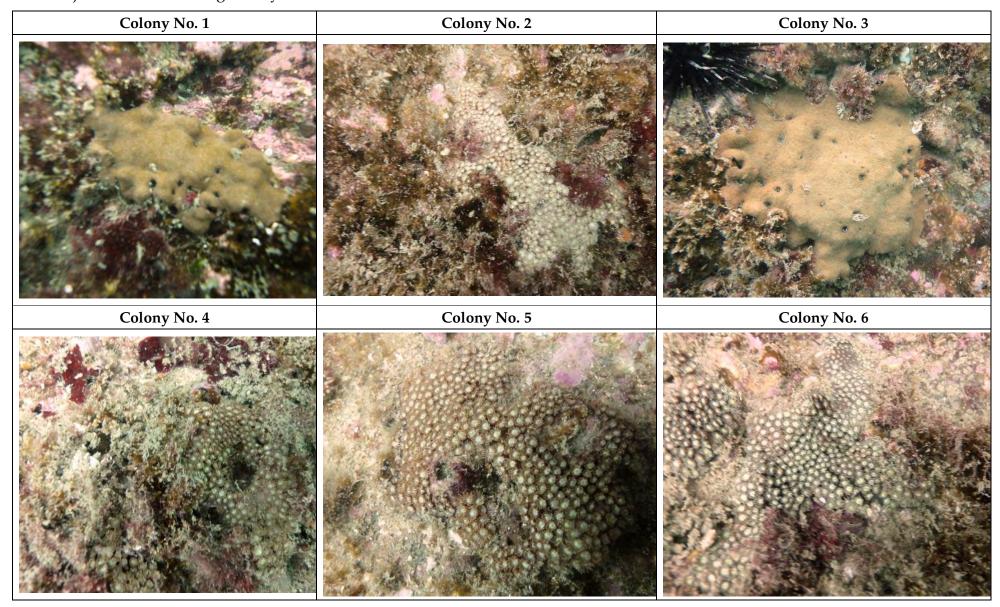
Annex B2 Photographic Records of Soft Coral Colonies Assessed at Zone A - Cape Collinson during the Coral Colony Monitoring for the Post-Project Coral Monitoring Survey

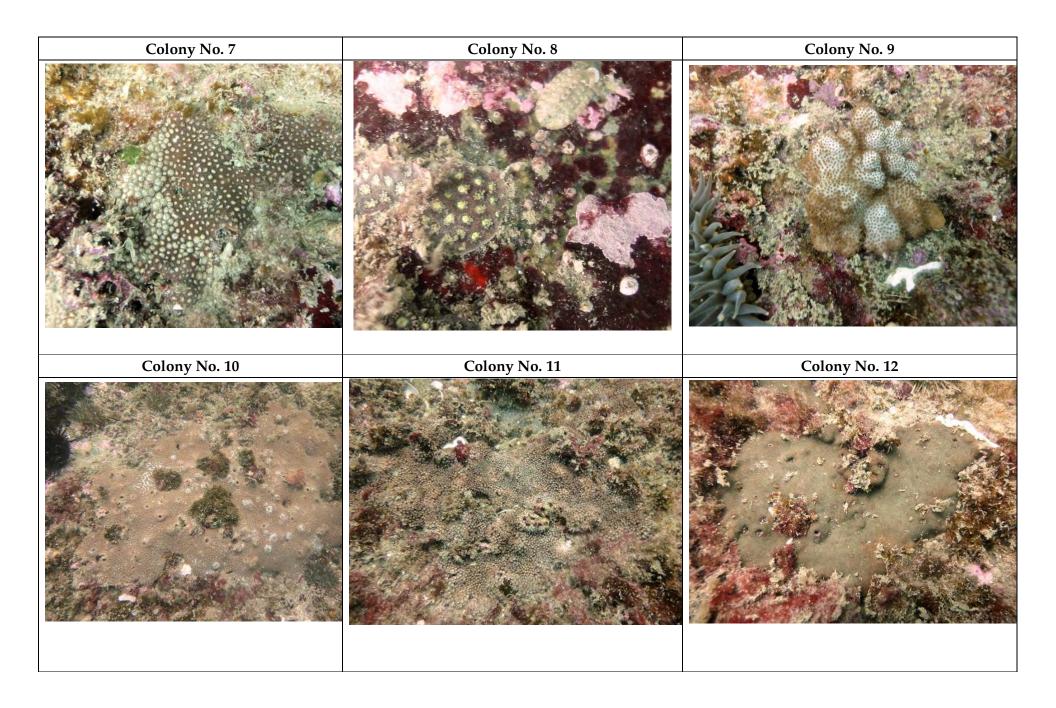


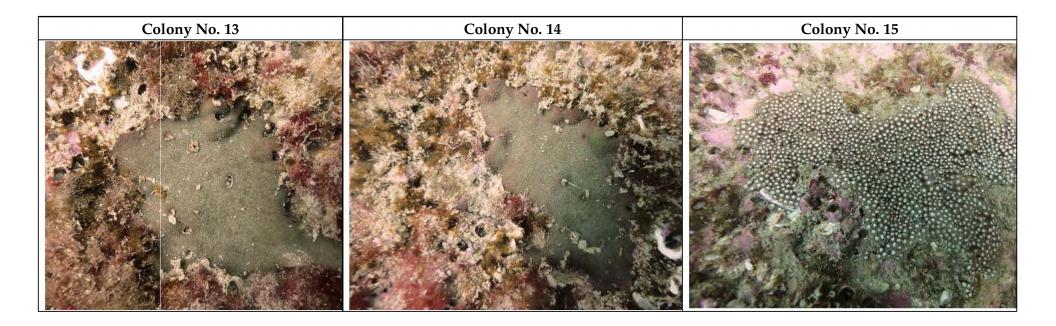




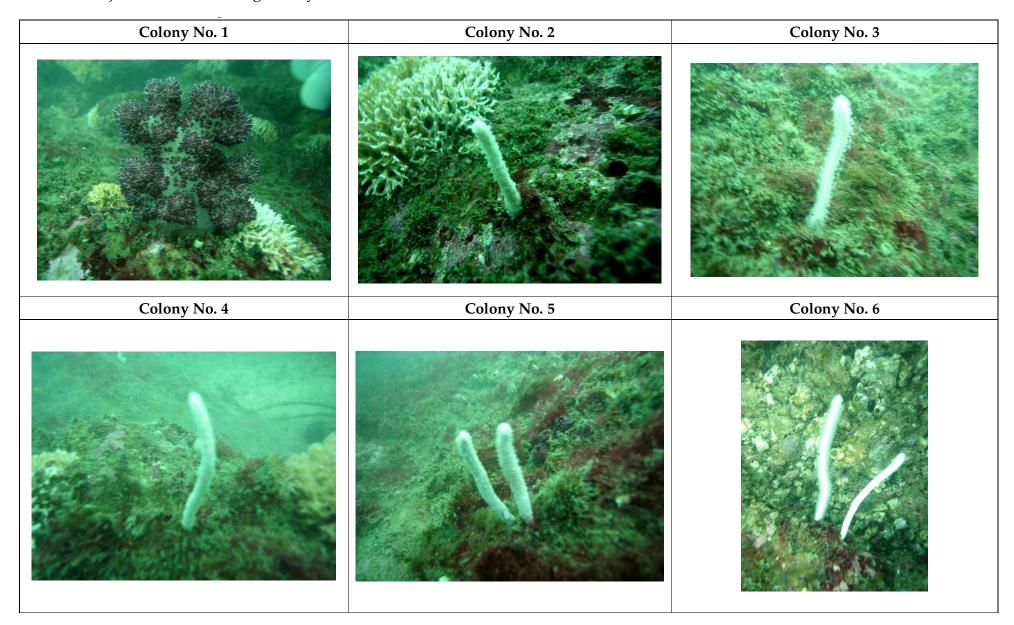
Annex B3 Photographic Records of Hard Coral Colonies Assessed at Zone B - Tai Long Pai, during the Coral Colony Monitoring for the Post-Project Coral Monitoring Survey

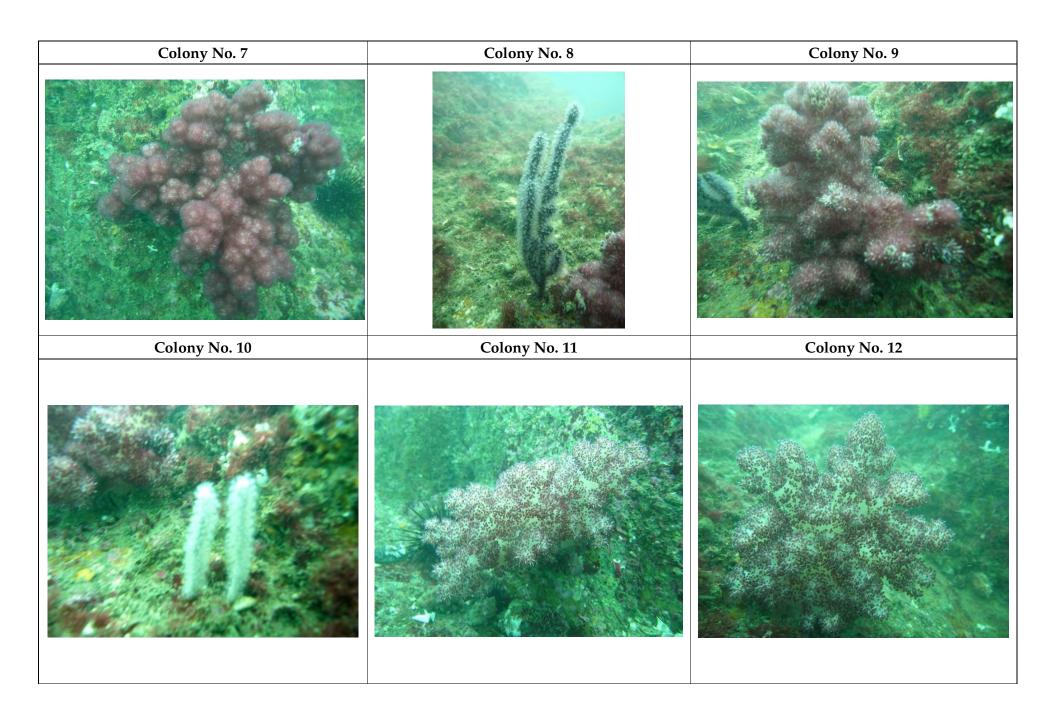


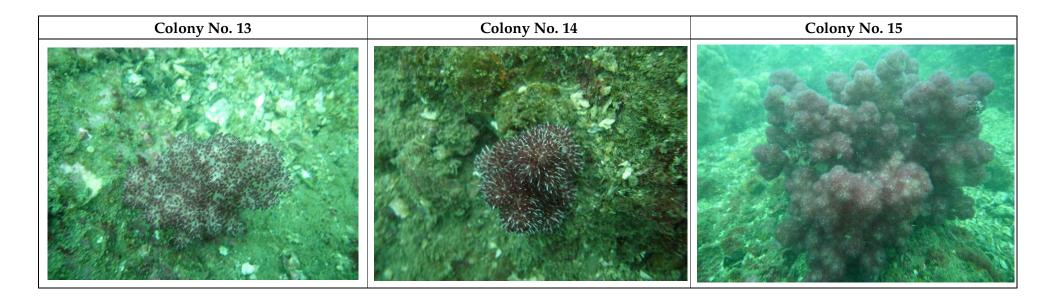




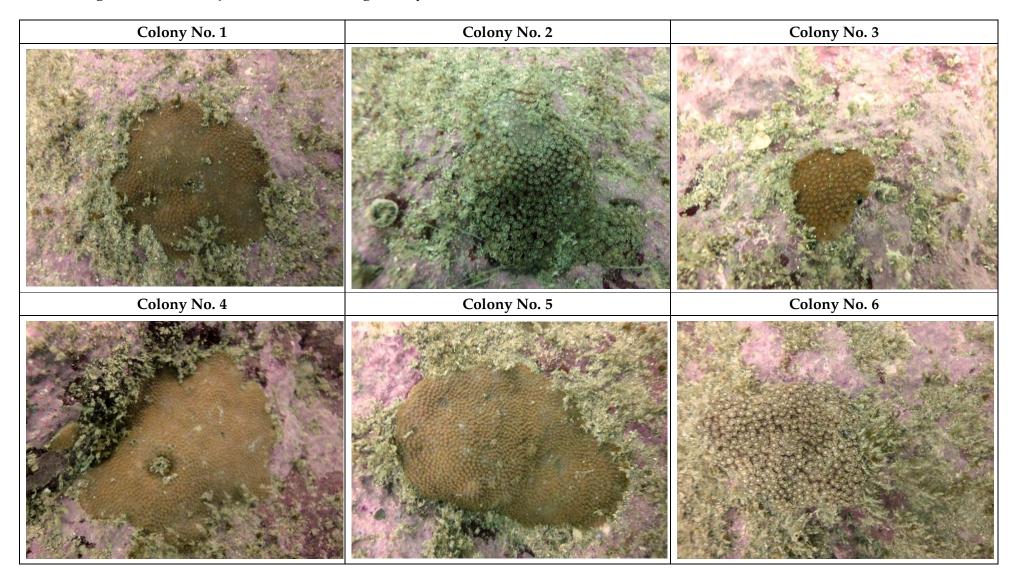
Annex B4 Photographic Records of Soft Coral Colonies Assessed at Zone B - Tai Long Pai, during the Coral Colony Monitoring for the Post-Project Coral Monitoring Survey

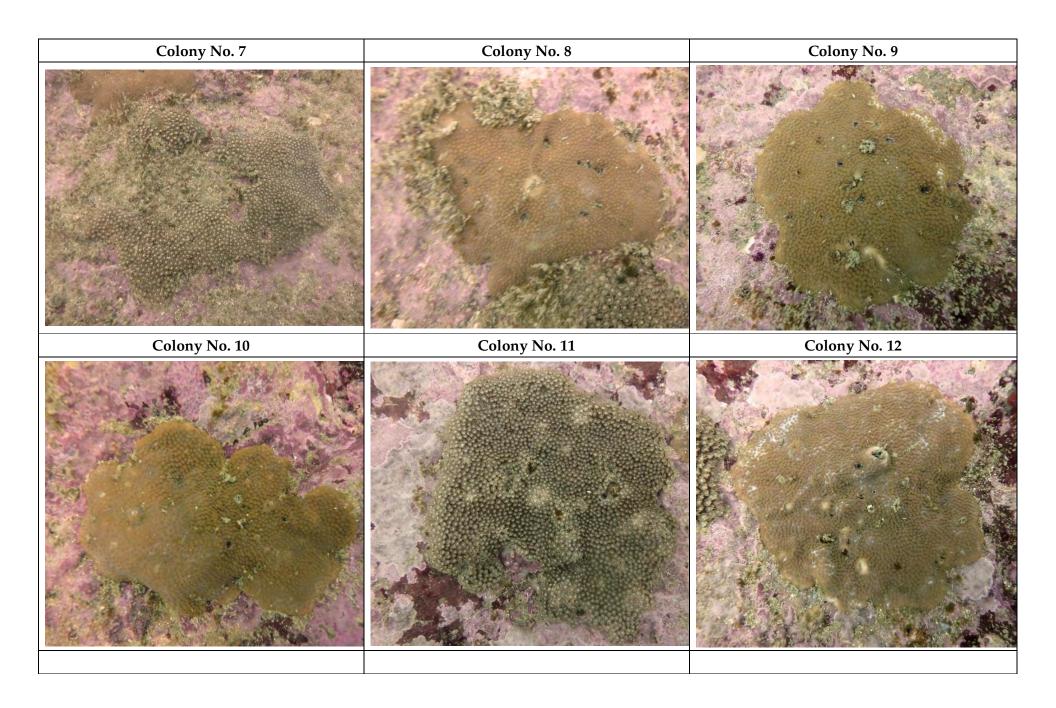


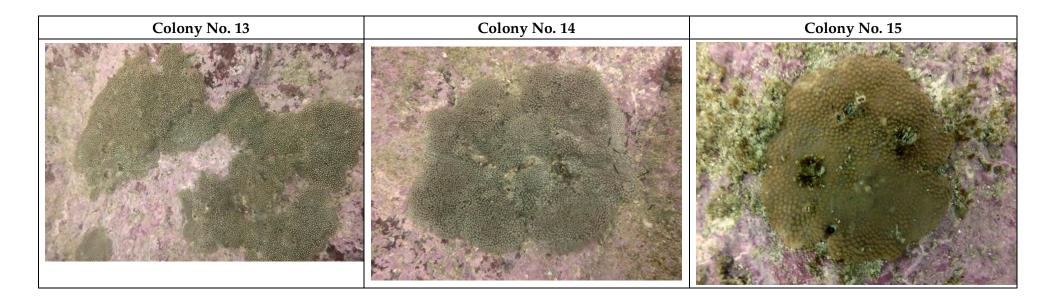




Annex B5 Photographic Records of Hard Coral Colonies Assessed at Zone C - Tung Lung Chau (Control Site), during the Coral Colony Monitoring for the Post-Project Coral Monitoring Survey







Annex B6 Photographic Records of Soft Coral Colonies Assessed at Zone C - Tung Lung Chau (Control Site), during the Coral Colony Monitoring for the Post-Project Coral Monitoring Survey

