

Table 1

**Description of the Seabed Composition Recorded along Each REA Survey Transect during the Post-Project Coral Monitoring Survey <sup>(1)</sup>**

Transect	Depth (-m CD)	Description
<b>Zone A - Cape Collinson (Monitoring Site)</b>		
<b>Transect 1</b>		
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.
<b>Transect 2</b>		
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>Dendronephthya</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>Dendronephthya</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>Cirrhopathes</i> sp., were recorded.
<b>Transect 3</b>		
Shallow	~5	The seabed was mainly composed of bedrocks (~60%). The hard coral 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>Dendronephthya</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.
Deep	~9	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> sp., <i>Dendronephthya</i> sp. and <i>Scleronephthya gracillicum</i> ) recorded.
<b>Zone B - Tai Long Pai (Monitoring Site)</b>		
<b>Transect 1</b>		
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>Cirrhopathes</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 (-m CD)	Description
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>Cirrhopathes</i> sp. were observed.
Zone C - Tung Lung Chau (Control Site)		
Transect 1		
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 stutchburyi</i> , <i>Psammocora superficialis</i> , <i>Cyphastrea chalcidicum</i> , <i>Plesiastrea versipora</i> , <i>Porites lobata</i> , <i>Montipora mollis</i> and <i>Montipora venosa</i> recorded. One species of ahermatypic hard coral <i>Tubastrea/Dendrophyllia</i> sp. was recorded. The octocoral cover was very low (< 5%) with <i>Dendronephthya</i> sp. and <i>Scleronephthya gracillicum</i> recorded.
Deep	~10	The seabed was mainly composed of bedrocks (~60%). The hard coral cover was low (<5%). The octocoral cover was low (< 10%) with <i>Euplexaura</i> sp., <i>Paraplexaura</i> sp., <i>Dendronephthya</i> sp. and <i>Scleronephthya gracillicum</i> recorded.
Transect 2		
Shallow	~5	The seabed was mainly composed of bedrocks (~40%). The hard coral cover was low (< 5%) with 7 species <i>Montipora peltiformis</i> , <i>Porites lobata</i> , <i>Cyphastrea chalcidicum</i> , <i>Favites chinensis</i> , <i>Goniopora stutchburyi</i> , <i>Montipora venosa</i> and <i>Plesiastrea versipora</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.
Deep	~8	The seabed was mainly composed of bedrocks (~80%). The hard coral 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</i> , <i>Porites lobata</i> , <i>Goniopora stutchburyi</i> , <i>Plesiastrea versipora</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</i> , <i>Goniopora stutchburyi</i> , <i>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</i> recorded. Two species of black corals, <i>Antipathes curvata</i> and <i>Cirrhopathes</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						B						C					
Depth <sup>(a)</sup>	S1	S2	S3	D1	D2	D3	S1	S2	D1	D2	S1	S2	S3	D1	D2	D3		
<b>Seabed attributes <sup>(b)</sup></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		
<b>Ecological attributes <sup>(b)</sup></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	B	B	B	B	C	C	C	C	C	C	
		Depth <sup>(a)</sup>	S1	S2	S3	D1	D2	D3	S1	S2	D1	D2	S1	S2	S3	D1	D2	D3	
Hard Coral	Acroporidae	<i>Montipora peltiformis</i>												2				2	
		<i>Montipora mollis</i>												3					
		<i>Montipora venosa</i>												3	3	3			
	Siderastreidae	<i>Psammocora superficialis</i>		1	1						1			2				2	2
	Dendrophyllidae	<i>Turbinaria peltata</i>																	
			<i>Tubastrea/ Dendrophyllia sp.</i>			1					3	3			2	2	2		
	Faviidae	<i>Cyphastrea chalcidicum</i>		1							1			2	2	2			1
			<i>Favites chinensis</i>													1			
			<i>Oulastrea crispata</i>	3	1	2	1												
			<i>Plesiastrea versipora</i>			1									2	2	2		
	Poritidae	<i>Goniopora stutchburyi</i>		2		1					2			2	2	2		2	1
<i>Porites lobata</i>														2	1	2		2	
Octocoral	Acanthogorgiidae	<i>Acanthogorgia sp.</i>										1					1		
		<i>Anthogorgia sp.</i>						2				1							
		<i>Muricella sp.</i>																	
	Alcyoniidae	<i>Paraminabea sp.</i>																	2
			<i>Sinularia sp.</i>				1		1										
	Nephtheidae	<i>Dendronephthya sp.</i>			2	4	1	1	4	3		3	3	2	2		3	3	2
			<i>Scleronephythya sp.</i>				1			3					2			2	2
	Plexauridae	<i>Astrogorgia sp.</i>																	
			<i>Echinogorgia sp.</i>						2										
			<i>Echinomuricea sp.</i>	2	3	3	4	3	3		2	2	2				2		2
			<i>Euplexaura sp.</i>			2	2	2		2	2	2	2					2	1
			<i>Menella sp.</i>			2	2				2	2	2						1
<i>Paraplexaura sp.</i>			1	1	2	1	1	2	2	2	1						1		
Ellisiidae	<i>Dichotella sp.</i>						1												
		<i>Ellisella sp.</i>	1	1	1														
		<i>Viminella sp.</i>	1		1		1												
		<i>Verrucella sp.</i>										1							
Black Coral	Antipathidae	<i>Antipathes sp.</i>					1				1	1						1	
		<i>Cirrhopathes sp.</i>					1					1	1					1	

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



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

Colony No. 1	Colony No. 2	Colony No. 3
		
Colony No. 4	Colony No. 5	Colony No. 6
		

**Colony No. 7**



**Colony No. 8**



**Colony No. 9**



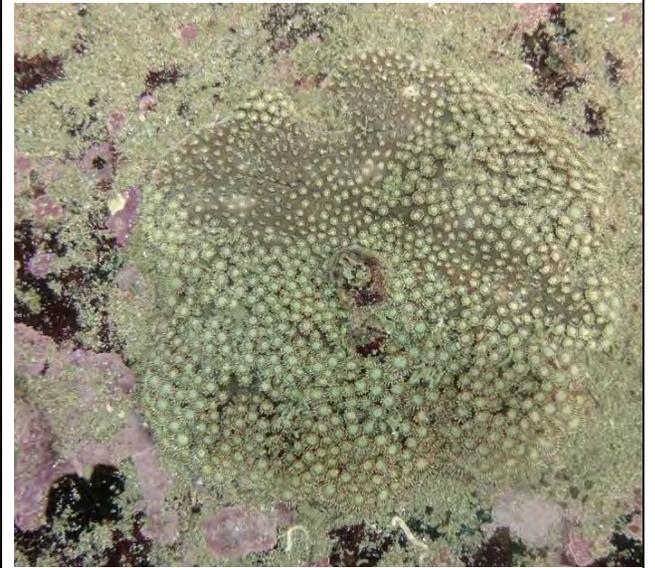
**Colony No. 10**



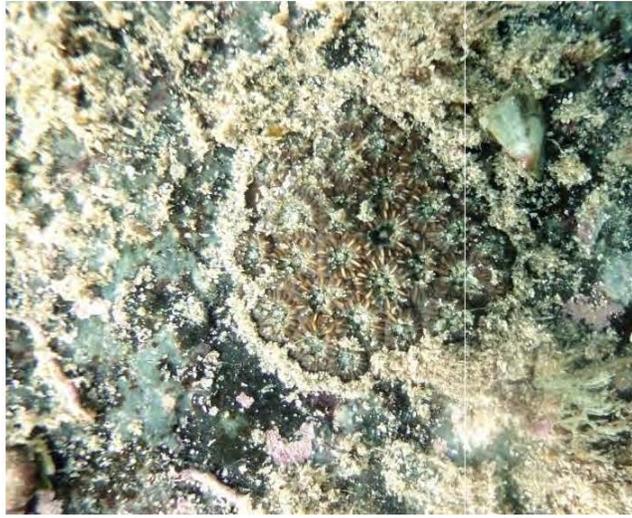
**Colony No. 11**



**Colony No. 12**



**Colony No. 13**



**Colony No. 14**



**Colony No. 15**



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

Colony No. 1	Colony No. 2	Colony No. 3
		
Colony No. 4	Colony No. 5	Colony No. 6
		

**Colony No. 7**



**Colony No. 8**



**Colony No. 9**



**Colony No. 10**



**Colony No. 11**



**Colony No. 12**



**Colony No. 13**



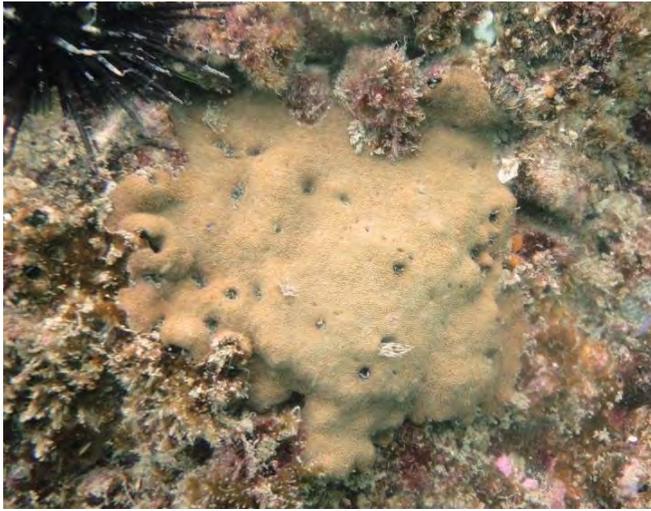
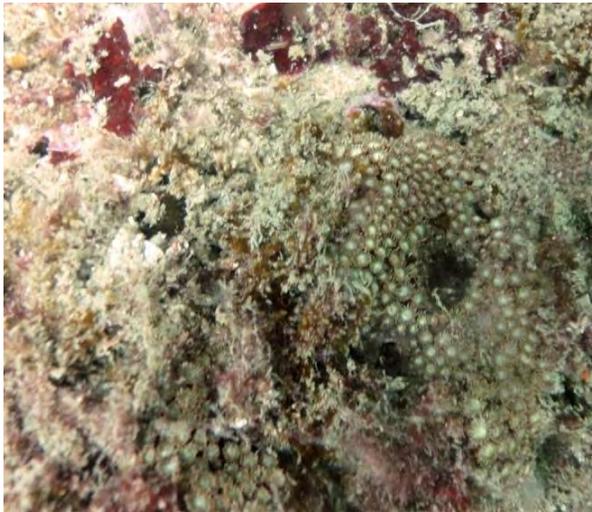
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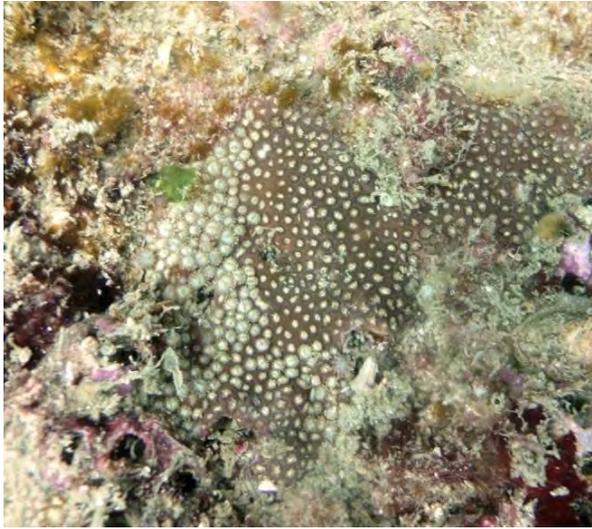
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Annex B3 Photographic Records of Hard Coral Colonies Assessed at Zone B - Tai Long Pai, during the Coral Colony Monitoring for the Post-Project Coral Monitoring Survey

Colony No. 1	Colony No. 2	Colony No. 3
		
Colony No. 4	Colony No. 5	Colony No. 6
		

**Colony No. 7**



**Colony No. 8**



**Colony No. 9**



**Colony No. 10**



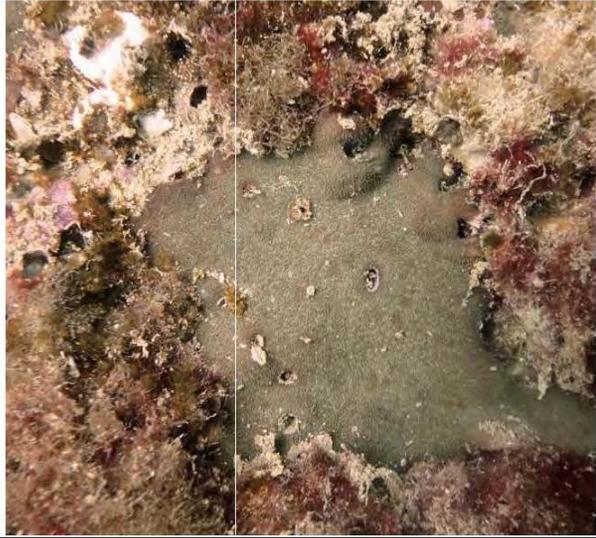
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**Colony No. 12**



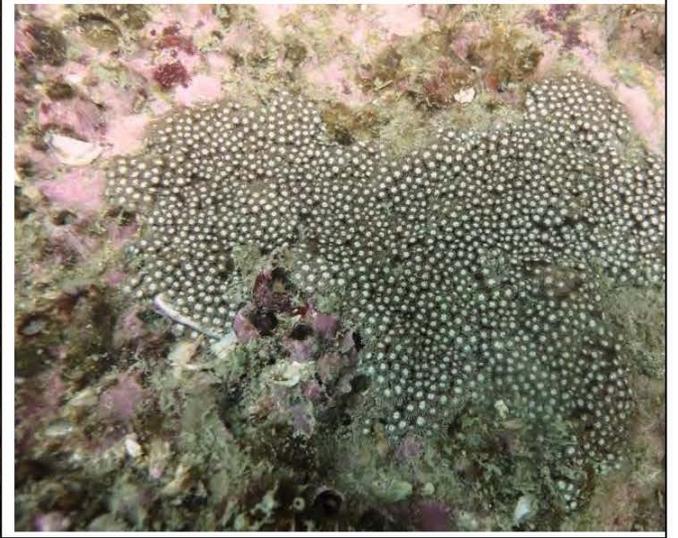
**Colony No. 13**



**Colony No. 14**



**Colony No. 15**



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

Colony No. 1	Colony No. 2	Colony No. 3
		
Colony No. 4	Colony No. 5	Colony No. 6
		

**Colony No. 7**



**Colony No. 8**



**Colony No. 9**



**Colony No. 10**



**Colony No. 11**



**Colony No. 12**



**Colony No. 13**



**Colony No. 14**



**Colony No. 15**



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

Colony No. 1	Colony No. 2	Colony No. 3
		
Colony No. 4	Colony No. 5	Colony No. 6
		

**Colony No. 7**



**Colony No. 8**



**Colony No. 9**



**Colony No. 10**



**Colony No. 11**



**Colony No. 12**



**Colony No. 13**



**Colony No. 14**



**Colony No. 15**



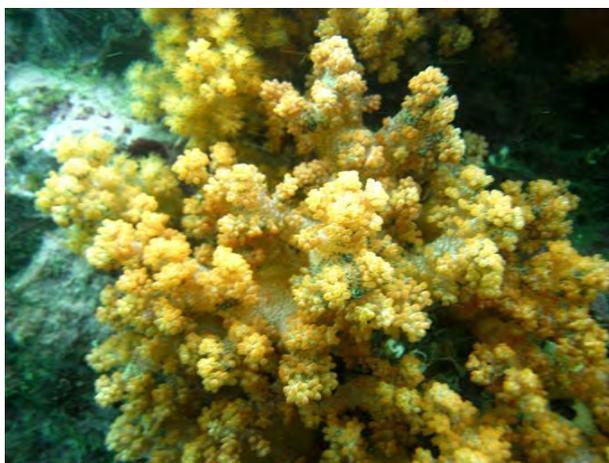
Annex B6 Photographic Records of Soft Coral Colonies Assessed at Zone C - Tung Lung Chau (Control Site), during the Coral Colony Monitoring for the Post-Project Coral Monitoring Survey

Colony No. 1	Colony No. 2	Colony No. 3
		
Colony No. 4	Colony No. 5	Colony No. 6
		

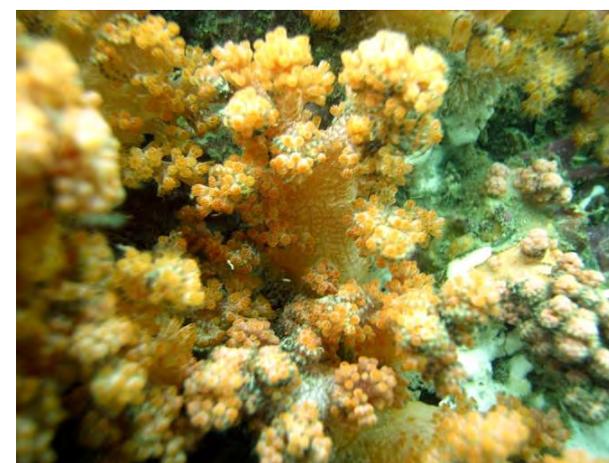
**Colony No. 7**



**Colony No. 8**



**Colony No. 9**



**Colony No. 10**



**Colony No. 11**



**Colony No. 12**



**Colony No. 13**



**Colony No. 14**



**Colony No. 15**

