

Appendix 8.6 Result of Flight Line and Height Surveys

(A) Flight Heights and Directions of Ardeids Leaving Night Roost

Direction of Flight Line	Ardeid Species	Number of Ardeids Recorded at Different Flight Heights						Total No.
		0-5 mPD	5-15 mPD	15-25 mPD	25-35 mPD	35-45 mPD	> 45 mPD	
Eastward (Hong Kong Heritage Museum side)	Black-crowned Night Heron	-	5	-	-	-	-	42
	Grey Heron	-	-	1	-	-	-	
	Great Egret	-	19	4	-	1	-	
	Little Egret	2	10	-	-	-	-	
Total		2	34	5	-	1	0	

Notes:

(1) This table does not reflect the actual number of ardeids night roost along Shing Mun River Channel, as the number of ardeids recorded flying over the Project boundary may include those flew back and out again.

(B) Relative Percentage Usage of Flight Lines by Ardeids Leaving Night Roost

Flight Line	Number of Ardeids	Relative Percentage of Ardeid Usage (%)
RE1A	25	59.5
RE1B	7	16.7
RE2	9	21.4
RE3	1	2.4
Total	42	100

Notes:

(1) This table does not reflect the actual number of ardeids utilized the Shing Mun River Channel, as the number of ardeids recorded flying over the Project boundary may include those flew back and out again.

(C) Flight Heights and Directions of Other Ardeids

Direction of Flight Line	Ardeid Species	Number of Flight Path at Different Heights						Total No.
		0-5 mPD	5-15 mPD	15-25 mPD	25-35 mPD	35-45 mPD	> 45 mPD	
Eastward (Hong Kong Heritage Museum side)	Black-crowned Night Heron	-	2	3	-	-	-	61
	Chinese Pond Heron	-	-	-	1	-	3	
	Grey Heron	-	-	-	1	-	-	
	Great Egret	2	3	8	3	4	-	
	Little Egret	-	1	28	-	2	-	
Eastward (The Riverpark side)	Black-crowned Night Heron	-	1	-	-	-	-	42
	Great Egret	1	1	1	-	-	-	
	Little Egret	2	1	2	3	30	-	
Westward (Hong Kong Heritage Museum side)	Black-crowned Night Heron	-	1	1	-	-	-	158
	Chinese Pond Heron	-	-	4	-	-	-	
	Grey Heron	-	-	-	-	-	-	
	Great Egret	1	24	55	5	2	-	
	Little Egret	4	10	13	30	8	-	
Westward (The Riverpark side)	Great Egret	-	-	19	-	-	-	48
	Little Egret	-	4	-	24	1	-	
Northward (Tsing Sha Highway)	Great Egret	-	-	-	4	-	-	4
Total		10	48	134	71	47	3	

Notes:

(1) This table does not reflect the actual number of ardeids night roost along Shing Mun River Channel, as the number of ardeids recorded flying over the Project boundary may include those flew back and out again.

(D) Relative Percentage Usage of Flight Lines by Other Ardeids

Flight Line	Number of Ardeids	Relative Percentage of Ardeid Usage (%)
OE1	13	4.2
OE2	48	15.3
OE3	39	12.5
OE4	3	1.0
OW1	64	20.4
OW2	94	30.0
OW3	47	15.0
OW4	1	0.3
ON1	4	1.3
Total	313	100.0

Notes:

(1) This table does not reflect the actual number of ardeids utilized the Shing Mun River Channel, as the number of ardeids recorded flying over the Project boundary may include those flew back and out again.