

Sensitivity Analysis for Black-faced Spoonbill



Black-faced
Spoonbill
黑臉琵鷺

- No Black-faced Spoonbill recorded in **abandoned ponds** with reference to monthly waterbird count data during dry season 2021-2022 (submitted by HKBWS to AFCD, under Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme)
- Based on review of 5-year bird count data (2017/18 – 2021/22), peak count of only **2 Black-faced Spoonbill** had been recorded in the abandoned ponds

Sensitivity Analysis to include 2 Black-faced Spoonbill in abandoned ponds :

Existing functional value in SPS WCP				
Land Status ^[1]	Area (ha)		Peak Density (birds/ha)	Functional Value*
Active/inactive pond (to be converted to EEF)	148.6	x	0.423 ^[2]	64.9
Abandoned / filled / wired ponds (to be converted to EEF)	100.0	x	0.020 #	
Existing brownfield / filled ponds in RDZ (to be converted to EEF) ^[3]	5.1	x	0	

	Loss in Functional Value in Impacted Area	Enhancement Area in the SPS WCP			Overall Changes in Functional Value
		Existing Functional Value	Functional Value after Enhancement	Gain in Functional Value After Enhancement	
Assessment in EIA Report	↓ 14.5	62.9	153.6	↑ 90.7	+ 76.2
Sensitivity Analysis		64.9		↑ 88.7	+ 74.2



Peak density of Black-faced Spoonbill recorded in the ponds classified as abandoned ponds by AFCD (2021) in the past 5 years (2017/18 – 2021/22) adopted for sensitivity analysis.
 * Any discrepancies between total and sums of individual numbers listed therein are due to rounding.
 [1] The type of ponds made reference to AFCD data.
 [2] Peak monthly bird count data during dry season over 2021-22 from HKBWS, or EIA Survey Data for ponds with no data available from HKBWS.
 [3] Existing brownfield / filled ponds in RDZ of the Project (50% reduction in bird density) to be converted to Ecologically Enhanced Fishponds.

ISSUE/REVISION
修訂

I/R	DATE	DESCRIPTION	CHK.

STATUS
階段

SCALE **DIMENSION UNIT**
比例 尺寸單位

KEY PLAN
索引圖

PROJECT NO. **AGREEMENT NO.**
項目編號 協議編號
60670882 CE 20/2021

SHEET TITLE
圖紙名稱
SENSITIVITY ANALYSIS ON
USAGE OF ABANDONED POND

SHEET NUMBER
圖紙編號
Appendix 10.7

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