

# 新港鬼頭刀漁業改進計畫

## Fishery Improvement Project (FIP) Scoping Document

### External Audit Report 外部稽核報告

#### 摘要

本外部稽核係依據 Fishery Improvement Project (FIP) Scoping Document，輔以參考 2020 年 9 月發佈之新港鬼頭刀漁業改進計畫行動計畫及相關文獻資料評估外部稽核結果，並參考 MSC 漁業認證的標準進行外部稽核，稽核結論為：目前台灣新港鬼頭刀漁業可能尚未達到 MSC 所要求的永續漁業標準，需要持續採取漁業改進計畫等進一步的措施，使該漁業能符合永續漁業之要求。

其中，原則一外部稽核結果部分，雖然目前新港鬼頭刀漁業資源狀態的搜集和評估部累積資料較完整，然目前的資源調查多以漁船卸魚時的漁獲量（或魚市場交易量）及港口查報紀錄為主要依據，建議未來可進一步將捕撈量與經緯度連結，有助於後續捕撈策略的修訂研擬。在原則二外部稽核結果部分，除 ETP 物種可透過 The ICUN Red List 查詢 (<https://newredlist.iucnredlist.org>) 外，在主要物種、次要物種、棲息地及生態系統的資源狀態基礎調查資料仍顯不足，進而衍伸之後續管理策略擬定、監視資料等亦相對不足，建議可以增加調查與搜集 UoA 的跨領域的研究資料，補充這方面的不足，如何讓業者以更便利的方式進行有效且必要之紀錄，可能是為未來輔導重點項目。在原則三部分，由於新港鬼頭刀漁業已經從新港漁會延伸擴及至東港區漁會及蘇澳區漁會，在組織架構部分有必要重新釐清，如讓調整後之組織架構有助於確保所有利益相關者均能參與決策過程，使漁業管理公開透明，並依據合議之組織架構及程序，所有參與者得各司其職，以承擔執行本漁業改進計畫之義務與責任。

## Introduction

The purpose of a FIP scoping document is to recommend strategies to address the fishery's challenges, as identified in the MSC pre-assessment or needs assessment. The scoping document provides recommendations on the actions that may be taken to reach one or more of the MSC scoring guideposts (SGs) for a given performance indicator (PI), but it is not meant to be prescriptive. Within the scoping document, PIs are prioritized to help guide the development of FIP actions.

For comprehensive FIPs, the scoping document must be completed or audited by an entity experienced with applying the MSC standard. **Text in italics provides additional guidance about information that should be included in each section and should be removed from the final version of this document.** Highlighted text should be replaced to reflect the information for your fishery.

## FIP Unit of Assessment (UoA)

Table 1. FIP Unit(s) of Assessment

UoA 1	Description
Target species (common and scientific name)	鬼頭刀 Mahi mahi ( <i>Coryphaena hippurus</i> )
Stock	西太平洋 Western Pacific
Geographical area	Area 61 (Pacific, Northwest) 台灣東部經濟水域 The exclusive economic zone (EEZ) of Taiwan
Fishing method or gear type	延繩釣 longline
Fishing fleet or group of vessels, or individuals fishing operators pursuing stock	新港、蘇澳和東港區漁會 (船隊)

## Performance Indicators Summary

Table 2. Summary information for each Performance Indicator highlighted within the MSC pre-assessment or needs assessment as scoring either as fail (SG <60), achieve a conditional pass (60-79), or pass (SG >80).

## Principle 1

PI Category		Scoring Range	Related PIs
1.1.1	Stock Status 資源狀況	SG $\geq$ 80	1.1.2, 1.2.3, 1.2.4
1.1.2	Stock Rebuilding 資源重建	N/A	1.1.1
1.2.1	Harvest Strategy 捕撈策略	SG <60	1.2.2, 1.2.3, 1.2.4, 3.2.1
1.2.2	Harvest Control Rules and Tools 捕撈管制規定與工具	SG <60	1.1.1, 1.2.1
1.2.3	Information and Monitoring 目標魚種之資訊	SG 60-79	1.2.1
1.2.4	Assessment of Stock Status 資源評估	SG 60-79	1.2.1

### 原則一 評分理由與改善建議：

原則一：漁業必須以不會導致過漁或資源枯竭之方式進行，且面對枯竭資源，該漁業必須實施能明確促進其復育之漁法。原則一之績效指標可分為兩部分：（1）資源狀態與（2）漁獲策略。在資源狀態的搜集和評估部分，近年累積資料較完整。唯目前的資源調查多以漁船卸魚時的漁獲量（或魚市場交易量）及港口查報紀錄為主要依據，建議未來可結合漁船衛星定位系統（VMS）或漁船日誌之捕獲紀錄等資訊，進一步將捕撈量與經緯度連結，有助於後續捕撈策略的修訂研擬。另，有關鬼頭刀漁業管理目標的捕撈策略，亦建議涵蓋新港漁會、東港區漁會及蘇澳區漁會所轄區域作業漁船之共識後，評估是否在相同捕撈策略下，不同區域是否有些微差異之需求。

## Principle 2

PI Category		Scoring	Related PIs
2.1.1	Primary spp: Outcome Status 主要物種之資源狀態	SG 60-79	2.1.2, 2.1.3
2.1.2	Primary spp: Management Strategy 主要物種之管理策略	SG <60	2.1.1, 2.1.3, 3.2.1
2.1.3	Primary spp: Information/Monitoring 主要物種之資訊/監視	SG <60	2.1.1, 2.1.2
2.2.1	Secondary spp: Outcome Status 次要物種之資源狀態	SG <60	2.2.2, 2.2.3
2.2.2	Secondary spp: Management Strategy 次要物種之管理策略	SG <60	2.2.1, 2.2.3, 3.2.1
2.2.3	Secondary spp: Information/Monitoring 次要物種之資訊/監視	SG <60	2.2.1, 2.2.2
2.3.1	ETP spp: Outcome Status ETP 物種之資源狀態	SG 60-79	2.3.2, 2.3.3
2.3.2	ETP spp: Management Strategy ETP 物種之管理策略	SG 60-79	2.3.1, 2.3.3, 3.2.1
2.3.3	ETP spp: Information/Monitoring ETP 物種之資訊/監視	SG 60-79	2.3.1, 2.3.2
2.4.1	Habitat: Outcome Status 棲地之資源狀態	SG ≥80	2.4.2, 2.4.3
2.4.2	Habitat: Management Strategy 棲地之管理策略	SG <60	2.4.1, 2.4.3, 3.2.1
2.4.3	Habitat: Information/Monitoring 棲地之資訊/監視	SG <60	2.4.1, 2.4.2
2.5.1	Ecosystem: Outcome Status 生態系統之資源狀態	SG 60-79	2.5.2, 2.5.3, 1.1.1, 2.1.1, 2.2.1, 2.3.1, 2.4.1
2.5.2	Ecosystem: Management Strategy 生態系統之管理策略	SG <60	2.5.1, 2.5.3, 1.2.1, 2.1.2, 2.2.2, 2.3.2, 2.4.2, 3.2.1
2.5.3	Ecosystem: Information/Monitoring 生態系統之資訊	SG <60	2.5.1, 2.5.2, 1.2.3, 2.1.3, 2.2.3, 2.3.3, 2.4.3

## 原則二 評分理由與改善建議：

原則二：捕撈作業應允許該漁業仰賴之生態系統維持其結構、生產力、功能及多樣性（包含棲息地和相關附屬物種與生態系相關物種），同時要求從事捕撈作業的同時，應維持漁業仰賴之生態系統（與相關附屬物種與生態系相關物種）的結構、生產能力、功能與多樣性。原則二的績效指標主要分為五個項目，包括：主要物種、次要物種、ETP（瀕危、受威脅及受保護）物種、棲息地及生態系統。

根據新港鬼頭刀漁業外部稽核報告結果顯示，除 ETP 物種可透過 The ICUN Red List 查詢 (<https://newredlist.iucnredlist.org>) 外，在主要物種、次要物種、棲息地及生態系統的資源狀態資料仍顯不足，進而衍伸之後續管理策略擬定、監視資料等亦相對不足，建議可以增加調查與搜集 UoA 的跨領域的研究資料，補充這方面的不責。

另一方面，目前 FIP 作業漁船之魚獲紀錄，仍以新港漁會、東港區漁會及蘇澳區漁會所轄區域漁船卸魚時的漁獲量（或魚市場交易量）及港口查報紀錄為主要依據，與 MSC 要求之各漁船自行紀錄捕獲之主要物種、次要物種、ETP（瀕危、受威脅及受保護）物種等資訊仍有差距，如何讓業者以更便利的方式進行有效且必要之紀錄，可以列為未來輔導重點項目。

## Principle 3

PI Category		Scoring	Related PIs
3.1.1	Governance and Policy: Legal and/or Customary Framework 法制架構	SG 60-79	3.1.2, 3.1.3
3.1.2	Governance and Policy: Consultation, Roles and Responsibilities 諮商、角色及責任	SG 60-79	3.1.1, 3.2.2
3.1.3	Governance and Policy: Long Term Objectives 漁業管理之長期目標	SG 60-79	3.1.1, 3.2.1, 3.2.2
3.2.1	Fishery Specific Management System: Fishery-Specific Objectives 鬼頭刀漁業之管理目標	SG 60-79	1.21.,1.2.2, 2.1.2, 2.2.2, 2.3.2, 2.4.2, 2.5.2, 3.1.3, 3.2.2, 3.2.5
3.2.2	Fishery specific Management System: Decision-Making Processes 決策過程	SG 60-79	3.1.2, 3.2.1
3.2.3	Fishery Specific Management System: Compliance & Enforcement 守法及執法	SG 60-79	1.2.3, 2.1.3, 2.2.3, 2.3.3, 2.4.3
3.2.4	Fishery Specific Management System: Monitoring and Management Performance Evaluation 管理績效評估	SG 60-79	3.2.1

### 原則三 評分理由與改善建議：

原則三的績效指標主要分成兩個部分，一為治理與政策，二為漁業管理系統。根據新港鬼頭刀漁業改進計畫之外部稽核結果顯示，該漁業在下述幾部分有需要改進之處：

- (1). 治理與政策：由於新港鬼頭刀漁業已經從新港漁會延伸擴及至東港區漁會及蘇澳區漁會，在組織架構部分有必要重新釐清，如讓調整後之組織架構有助於確保所有利益相關者均能參與決策過程，使漁業管理公開透明，並依據合議之組織架構及程序，所有參與者得各司其職，以承擔執行本漁業改進計畫之義務與責任。
- (2). 長期與短期目標：由於先前的漁業管理目標係在漁業改進計畫之工作小組於 2020 年通過長期和短期目標，建議未來修訂時可以邀請相關利益團體及受影響組織參與後續目標修訂之建議或討論。

# 附件一

## PI 指標與參考工具

### PI 1.1.1 – Stock status

PI 1.1.1		The stock is at a level which maintains high productivity and has a low probability of recruitment overfishing		
Scoring Issue		SG 60	SG 80	SG 100
a	Stock status relative to recruitment impairment			
	Guide post	It is likely that the stock is above the point where recruitment would be impaired (PRI).	It is highly likely that the stock is above the PRI.	There is a high degree of certainty that the stock is above the PRI.
	Met?	Yes / No	Yes / No	Yes / No
References				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

根據資源評估研究資料顯示，目前鬼頭刀資源狀況應無衰減風險。

王勝平(2020)，鬼頭刀漁業資源評估研究。

陳文義等人 (2007)，台灣東部海域鬼頭刀之資源評估與調查。

		Stock status in relation to achievement of Maximum Sustainable Yield (MSY)		
b	Guide post		The stock is at or fluctuating around a level consistent with MSY.	There is a high degree of certainty that the stock has been fluctuating around a level consistent with MSY or has been above this level over recent years.
	Met?		Yes / No	Yes / No
Rationale				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

在 2019 年，西北太平洋（含台灣海域在內）鬼頭刀適用 SS 模型進行全面性資源評估，納入歷史漁獲資訊、體長頻度數據以及標準化 CPUE 系列。分析結果顯示，目前產卵親魚量接近最大可持續生產量 (MSY) 和 0.4SSB0。儘管有跡象顯示目前的產卵親魚量有可能低於最大可持續生產量，但相關證據都指出西北太平洋鬼頭刀目前應未過漁且未過漁中。

根據 2020 年漁業統計年報資料，全台灣沿近海漁業鬼頭刀年產量約 4300 噸。

References

王勝平(2020), 鬼頭刀漁業資源評估研究。

漁業年報 (2010~2020)

Stock status relative to reference points			
	Type of reference point	Value of reference point	Current stock status relative to reference point
Reference point used in scoring stock relative to PRI (SIa)	Insert type of reference point e.g. $B_{LOSS}$ .	Include value specifying units e.g. 50,000t total stock biomass.	Include current stock status in the same units as the reference point e.g. $90,000/B_{LOSS} = 1.8$ .
Reference point used in scoring stock relative to MSY (SIb)	Insert type of reference point e.g. $B_{MSY}$ .	Include value specifying units e.g. 100,000t total stock biomass.	Include current stock status in the same units as the reference point e.g. $90,000/B_{MSY} = 0.9$ .

#### Overall Performance Indicator (PI) Rationale

根據 2020 年漁業統計年報資料，全台灣沿近海漁業鬼頭刀年產量約 4,300 噸。

目前相關文獻尚無鬼頭刀漁業 MSY 的估算結果，但從近年鬼頭刀年產量，應可推測漁業資源量高於 5,000 噸。

Draft scoring range	<60 / 60-79 / <b>≥80</b>
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what is information is sought
Data-deficient? (Risk-Based Framework needed)	Yes / No

#### PI 1.1.2 – Stock rebuilding

PI 1.1.2		Where the stock is reduced, there is evidence of stock rebuilding within a specified timeframe		
Scoring Issue		SG 60	SG 80	SG 100
a	Rebuilding timeframes			
	Guide post	A rebuilding timeframe is specified for the stock that is the shorter of 20 years or 2 times its generation time. For cases where 2 generations is less than 5 years, the rebuilding timeframe is up to 5 years.		The shortest practicable rebuilding timeframe is specified which does not exceed one generation time for the stock.
	Met?	Yes / No		Yes / No
Rationale 不需評分 not applicable				

b	Rebuilding evaluation
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	Guide post	Monitoring is in place to determine whether the rebuilding strategies are effective in rebuilding the stock within the specified timeframe.	There is evidence that the rebuilding strategies are rebuilding stocks, or it is likely based on simulation modelling, exploitation rates or previous performance that they will be able to rebuild the stock within the specified timeframe.	There is strong evidence that the rebuilding strategies are rebuilding stocks, or it is highly likely based on simulation modelling, exploitation rates or previous performance that they will be able to rebuild the stock within the specified timeframe.
	Met?	Yes / No	Yes / No	Yes / No
Rationale 不需評分 not applicable				

References

Overall Performance Indicator (PI) Rationale  
不需評分 not applicable

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what is information is sought

## PI 1.2.1 – Harvest strategy

PI 1.2.1		There is a robust and precautionary harvest strategy in place		
Scoring Issue		SG 60	SG 80	SG 100
a	Harvest strategy design			
	Guide post	The harvest strategy is expected to achieve stock management objectives reflected in PI 1.1.1 SG80.	The harvest strategy is responsive to the state of the stock and the elements of the harvest strategy work together towards achieving stock management objectives reflected in PI 1.1.1 SG80.	The harvest strategy is responsive to the state of the stock and is designed to achieve stock management objectives reflected in PI 1.1.1 SG80.
	Met?	Yes / No	Yes / No	Yes / No
Rationale				
<p>2018 年開始實施執行港口查報計畫，漁業署委託臺灣海洋保育與漁業永續基金會聘僱查報員，在東港、新港和蘇澳港執行港口查報和漁獲查核任務。</p> <p>但，目前關於鬼頭刀的捕撈策略，尚待新港區漁會、蘇澳區漁會和東港區漁會、漁民及漁業署等，共同討論與建立（與公佈）達成鬼頭刀漁業管理目標的捕撈策略。</p>				

b	Harvest strategy evaluation			
	Guide post	The harvest strategy is likely to work based on prior experience or plausible argument.	The harvest strategy may not have been fully tested but evidence exists that it is achieving its objectives.	The performance of the harvest strategy has been fully evaluated and evidence exists to show that it is achieving its objectives including being clearly able to maintain stocks at target levels.
	Met?	Yes / No	Yes / No	Yes / No
Rationale				
<p>目前關於鬼頭刀的捕撈策略，尚待新港區漁會、蘇澳區漁會和東港區漁會、漁民及漁業署等，共同討論與建立（與公佈）達成鬼頭刀漁業管理目標的捕撈策略。</p> <p>鬼頭刀漁業管理目標的捕撈策略尚不明確，尚無法進行評估（捕撈策略）。但，同意捕撈策略很可能基於先前的經驗或合理的論點而奏效。</p>				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

c	Harvest strategy monitoring			
	Guide post	Monitoring is in place that is expected to determine whether the harvest strategy is working.		
	Met?	Yes / No		

Rationale

2018 年開始實施執行港口查報計畫，漁業署委託臺灣海洋保育與漁業永續基金會聘僱查報員，在東港、新港和蘇澳港執行港口查報和漁獲查核任務。同意捕撈監控措施很可能基於先前的經驗或合理的論點而奏效。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

d	Harvest strategy review			
	Guide post			The harvest strategy is periodically reviewed and improved as necessary.
	Met?			Yes / No

Rationale

鬼頭刀漁業管理目標的捕撈策略尚未明確公告與實行，尚無法進行捕撈策略審查。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

e	Shark finning			
	Guide post	It is likely that shark finning is not taking place.	It is highly likely that shark finning is not taking place.	There is a high degree of certainty that shark finning is not taking place.
	Met?	Yes / No / NA	Yes / No / NA	Yes / No / NA

Rationale

違反遠洋漁業條例有關鯊魚漁獲物處理規定案件裁量基準（中華民國 110 年 10 月 5 日行政院農業委員會農授漁字第 1101336486 號令）

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below). Scoring Issue need not be scored if sharks are not a target species.

f	Review of alternative measures			
	Guide post	There has been a review of the potential effectiveness and practicality of alternative measures to minimise UoA-related mortality of unwanted catch of the target stock.	There is a regular review of the potential effectiveness and practicality of alternative measures to minimise UoA-related mortality of unwanted catch of the target stock and they are implemented as appropriate.	There is a biennial review of the potential effectiveness and practicality of alternative measures to minimise UoA-related mortality of unwanted catch of the target stock, and they are implemented, as appropriate.
	Met?	Yes / No / NA	Yes / No / NA	Yes / No / NA

#### Rationale

2018 年開始實施執行港口查報計畫，漁業署委託臺灣海洋保育與漁業永續基金會聘僱查報員，在東港、新港和蘇澳港執行港口查報和漁獲查核任務。

違反遠洋漁業條例有關鯊魚漁獲物處理規定案件裁量基準（中華民國 110 年 10 月 5 日行政院農業委員會農授漁字第 1101336486 號令）

以最大限度地減少與 UoA 相關的目標種群（如大型鯊魚）不想要的捕獲量的死亡率。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below). **Scoring Issue need not be scored if sharks are not a target species.**

#### References

The CAB should list any references here, including hyperlinks to **publicly-available documents.**

#### Overall Performance Indicator (PI) Rationale

鬼頭刀漁業管理目標的捕撈策略尚未明確公告與實行，尚無法進行捕撈策略審查。

目前關於鬼頭刀的捕撈策略，尚待新港區漁會、蘇澳區漁會和東港區漁會、漁民及漁業署等，共同討論與建立（與公佈）達成鬼頭刀漁業管理目標的捕撈策略。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range

**<60** / 60-79 / **≥80**

Information gap indicator

More information sought / Information sufficient to score PI  
If more information is sought, include a description of what the information gap is and what information is sought

PI 1.2.2 – Harvest control rules and tools

PI 1.2.2		There are well defined and effective harvest control rules (HCRs) in place		
Scoring Issue		SG 60	SG 80	SG 100
a	HCRs design and application			
	Guide post	Generally understood HCRs are in place or available that are expected to reduce the exploitation rate as the point of recruitment impairment (PRI) is approached.	Well defined HCRs are in place that ensure that the exploitation rate is reduced as the PRI is approached, are expected to keep the stock fluctuating around a target level consistent with (or above) MSY, or for key LTL species a level consistent with ecosystem needs.	The HCRs are expected to keep the stock fluctuating at or above a target level consistent with MSY, or another more appropriate level taking into account the ecological role of the stock, most of the time.
	Met?	Yes / No	Yes / No	Yes / No
<p>Rationale</p> <p>發展漁獲管理策略以確保漁撈活動不會對資源造成衝擊。</p> <p>鬼頭刀漁業管理目標的捕撈策略及管理方式尚未明確公告與實行，目前已涵蓋新港、東港及蘇澳三區域作業漁船，尚不易進行完整評估（捕撈策略）。</p>				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g., rationale is provided for the Performance Indicator below).

b	HCRs robustness to uncertainty			
	Guide post		The HCRs are likely to be robust to the main uncertainties.	The HCRs take account of a wide range of uncertainties including the ecological role of the stock, and there is evidence that the HCRs are robust to the main uncertainties.
	Met?		Yes / No	Yes / No
<p>Rationale</p> <p>鬼頭刀漁業管理目標的捕撈策略尚未明確公告與實行，尚無法進行評估（捕撈策略）。</p> <p>2018年開始實施執行港口查報計畫，漁業署委託臺灣海洋保育與漁業永續基金會聘僱查報員，在東港、新港和蘇澳港執行港口查報和漁獲查核任務。</p>				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

c	HCRs evaluation			
	Guide post	There is some evidence that tools used or available to implement HCRs are appropriate and effective in controlling exploitation.	Available evidence indicates that the tools in use are appropriate and effective in achieving the exploitation levels required under the HCRs.	Evidence clearly shows that the tools in use are effective in achieving the exploitation levels required under the HCRs.
	Met?	Yes / No	Yes / No	Yes / No

#### Rationale

鬼頭刀漁業管理目標的捕撈策略尚未明確公告與實行，尚無法進行評估（捕撈策略）。  
2018 年開始實施執行港口查報計畫，漁業署委託臺灣海洋保育與漁業永續基金會聘僱查報員，在東港、新港和蘇澳港執行港口查報和漁獲查核任務。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

#### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

#### Overall Performance Indicator (PI) Rationale

發展漁獲管理策略以確保漁撈活動不會對資源造成衝擊。  
鬼頭刀漁業管理目標的捕撈策略尚未明確公告與實行，目前已涵蓋新港、東港及蘇澳三區域作業漁船，尚無法進行評估（捕撈策略）。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range

<60 / 60-79 / ≥80

Information gap indicator

More information sought / Information sufficient to score PI  
If more information is sought, include a description of what the information gap is and what is information is sought

## PI 1.2.3 – Information and monitoring

PI 1.2.3		Relevant information is collected to support the harvest strategy		
Scoring Issue		SG 60	SG 80	SG 100
a	Range of information			
	Guide post	Some relevant information related to stock structure, stock productivity and fleet composition is available to support the harvest strategy.	Sufficient relevant information related to stock structure, stock productivity, fleet composition and other data are available to support the harvest strategy.	A comprehensive range of information (on stock structure, stock productivity, fleet composition, stock abundance, UoA removals and other information such as environmental information), including some that may not be directly related to the current harvest strategy, is available.
	Met?	Yes / No	Yes / No	Yes / No
Rationale				
<p>2018 年開始實施執行港口查報計畫，漁業署委託臺灣海洋保育與漁業永續基金會聘僱查報員，在東港、新港和蘇澳港執行港口查報和漁獲查核任務。</p> <p>目前建檔的資料應包括，但不限於，漁船作業報表、港口採樣資料、卸魚聲明書、觀察員紀錄及其他可能相關的資料。目前漁業作業報表和卸魚聲明書均由漁民提供予新港、東港和蘇澳漁會，待蒐集後再交予漁業署。</p>				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

b	Monitoring			
	Guide post	Stock abundance and UoA removals are monitored and at least one indicator is available and monitored with sufficient frequency to support the harvest control rule.	Stock abundance and UoA removals are regularly monitored at a level of accuracy and coverage consistent with the harvest control rule, and one or more indicators are available and monitored with sufficient frequency to support the harvest control rule.	All information required by the harvest control rule is monitored with high frequency and a high degree of certainty, and there is a good understanding of inherent uncertainties in the information [data] and the robustness of assessment and management to this uncertainty.
	Met?	Yes / No	Yes / No	Yes / No
Rationale				
<p>2018 年開始實施執行港口查報計畫，漁業署委託臺灣海洋保育與漁業永續基金會聘僱查報員，在東港、新港和蘇澳港執行港口查報和漁獲查核任務。</p> <p>目前建檔的資料應包括，但不限於，漁船作業報表、港口採樣資料、卸魚聲明書、觀察員紀錄及其他可能相關的資料。目前漁業作業報表和卸魚聲明書均由漁民提供予新港、東港和蘇澳漁會，待蒐集後再交予漁業署。</p>				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

c	Comprehensiveness of information		
	Guide post		There is good information on all other fishery removals from the stock.
	Met?		Yes / No
Rationale 相關資料可從其他漁業中獨立，並有利於全面檢視。			

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

#### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

#### Overall Performance Indicator (PI) Rationale

2018 年開始實施執行港口查報計畫，漁業署委託臺灣海洋保育與漁業永續基金會聘僱查報員，在東港、新港和蘇澳港執行港口查報和漁獲查核任務。

目前建檔的資料應包括，但不限於，漁船作業報表、港口採樣資料、卸魚聲明書、觀察員紀錄及其他可能相關的資料。目前漁業作業報表和卸魚聲明書均由漁民提供予新港、東港和蘇澳漁會，待蒐集後再交予漁業署。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI
Data-deficient? (Risk-Based Framework needed)	Yes / No If more information is sought, include a description of what the information gap is and what information is sought



## PI 1.2.4 – Assessment of stock status

PI 1.2.4		There is an adequate assessment of the stock status		
Scoring Issue		SG 60	SG 80	SG 100
a	Appropriateness of assessment to stock under consideration			
	Guide post		The assessment is appropriate for the stock and for the harvest control rule.	The assessment takes into account the major features relevant to the biology of the species and the nature of the UoA.
	Met?		Yes / No	Yes / No
Rationale				
新港鬼頭刀漁業改進計畫行動計畫 (2020) , 相對資源豐度指標標準化分析/體長頻度及年齡結構分析/初步資源評估分析/全面性資源評估。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

b	Assessment approach			
	Guide post	The assessment estimates stock status relative to generic reference points appropriate to the species category.	The assessment estimates stock status relative to reference points that are appropriate to the stock and can be estimated.	
	Met?	Yes / No	Yes / No	
Rationale				
新港鬼頭刀漁業改進計畫行動計畫 (2020) , 相對資源豐度指標標準化分析/體長頻度及年齡結構分析/初步資源評估分析/全面性資源評估。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

c	Uncertainty in the assessment			
	Guide post	The assessment identifies major sources of uncertainty.	The assessment takes uncertainty into account.	The assessment takes into account uncertainty and is evaluating stock status relative to reference points in a probabilistic way.
	Met?	Yes / No	Yes / No	Yes / No
Rationale				
新港鬼頭刀漁業改進計畫行動計畫 (2020) , 相對資源豐度指標標準化分析/體長頻度及年齡結構分析/初步資源評估分析/全面性資源評估, 包括提及不確定性的主要來源。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

Evaluation of assessment			
d	Guide post	The assessment has been tested and shown to be robust. Alternative hypotheses and assessment approaches have been rigorously explored.	
	Met?		Yes / No
Rationale 該評估尚未進行測試。			

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

Peer review of assessment			
e	Guide post	The assessment of stock status is subject to peer review.	The assessment has been internally and externally peer reviewed.
	Met?	Yes / No	Yes / No
Rationale 標識放流研究研究成果經過同儕審查並發表於《Fisheries Science》期刊第 85 期第 779 頁至 790 頁。西北太平洋鬼頭刀資源概況，尚未經同行審查。			

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

Overall Performance Indicator (PI) Rationale  
 新港鬼頭刀漁業改進計畫行動計畫 (2020) , 相對資源豐度指標標準化分析/體長頻度及年齡結構分析/初步資源評估分析/全面性資源評估。  
 西北太平洋鬼頭刀資源概況，尚未經同行審查。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what information is sought

PI 2.1.1 – Primary species outcome

PI 2.1.1		The UoA aims to maintain primary species above the point where recruitment would be impaired (PRI) and does not hinder recovery of primary species if they are below the PRI		
Scoring Issue		SG 60	SG 80	SG 100
a	Main primary species stock status			
	Guide post	Main primary species are likely to be above the PRI.	Main primary species are highly likely to be above the PRI.	There is a high degree of certainty that main primary species are above the PRI and are fluctuating around a level consistent with MSY.
		OR	OR	
Met?	Yes / No	Yes / No	Yes / No	
<p>Rationale</p> <p>主要物種：大型鯊魚。</p> <p>漁船作業報表的格式建立於 2016 年。為蒐集準確之資料，漁民除記錄主要物種資料外，其捕獲之其他物種，包括海鳥、海龜等非魚類生物，均須如實填寫報表，以便協助後續有關鬼頭刀漁業影響之分析研究。</p> <p>缺乏相關研究確定主要物種高於 PRI 並且在與 MSY 一致的水平附近波動之相關文獻。</p>				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

b	Minor primary species stock status			
	Guide post			Minor primary species are highly likely to be above the PRI.
				OR
Met?			Yes / No	
<p>Rationale</p> <p>主要物種資訊上不夠明確。目前的調查主要係以魚市場交易魚種為統計數量，尚未全面紀錄（個別）漁船船隻的捕撈漁獲數量（目標魚種、主要物種、次要物種...等之捕獲數量資訊）。</p>				

漁船作業報表：漁民除記錄主要物種資料外，其捕獲之其他物種，包括海鳥、海龜等非魚類生物，均須如實填寫報表。

缺乏相關研究確定次要物種高於 PRI 相關文獻。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

## References

The CAB should list any references here, including hyperlinks to publicly-available documents.

### Overall Performance Indicator (PI) Rationale

主要物種資訊上不夠明確。目前的調查主要係以魚市場交易魚種為統計數量，尚未全面紀錄（個別）漁船船隻的捕撈漁獲數量（目標魚種、主要物種、次要物種...等之捕獲數量資訊）。

漁船作業報表：漁民除記錄主要物種資料外，其捕獲之其他物種，包括海鳥、海龜等非魚類生物，均須如實填寫報表。

缺乏相關研究確定次要物種高於 PRI 相關文獻。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what information is sought
Data-deficient? (Risk-Based Framework needed)	Yes / No

## PI 2.1.2 – Primary species management strategy

PI 2.1.2		There is a strategy in place that is designed to maintain or to not hinder rebuilding of primary species, and the UoA regularly reviews and implements measures, as appropriate, to minimise the mortality of unwanted catch		
Scoring Issue		SG 60	SG 80	SG 100
a	Management strategy in place			
	Guide post	There are measures in place for the UoA, if necessary, that are expected to maintain or to not hinder rebuilding of the main primary species at/to levels which are likely to be above the PRI.	There is a partial strategy in place for the UoA, if necessary, that is expected to maintain or to not hinder rebuilding of the main primary species at/to levels which are highly likely to be above the PRI.	There is a strategy in place for the UoA for managing main and minor primary species.
	Met?	Yes / No	Yes / No	Yes / No
<p>Rationale</p> <p>尚未能完整記錄主要物種之相關（魚種及捕撈數量等）資訊，尚未明確主要物種、次要物種的管理策略。</p> <p>漁船作業報表：漁民除記錄主要物種資料外，其捕獲之其他物種，包括海鳥、海龜等非魚類生物，均須如實填寫報表。</p>				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

b	Management strategy evaluation			
	Guide post	The measures are considered likely to work, based on plausible argument (e.g., general experience, theory or comparison with similar fisheries/species).	There is some objective basis for confidence that the measures/partial strategy will work, based on some information directly about the fishery and/or species involved.	Testing supports high confidence that the partial strategy/strategy will work, based on information directly about the fishery and/or species involved.
	Met?	Yes / No	Yes / No	Yes / No
<p>Rationale</p> <p>尚未能完整記錄主要物種相關（魚種及捕撈數量等）資訊，尚未明確主要物種、次要物種的管理策略。目前係由於市場拍賣交易紀錄推估，但有可能包括非鬼頭刀作業漁船的混獲魚種資料。</p>				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

c	Management strategy implementation			
	Guide post		There is some evidence that the measures/partial strategy is being implemented successfully.	There is clear evidence that the partial strategy/strategy is being implemented successfully and is achieving its overall objective as set out in scoring issue (a).
	Met?		Yes / No	Yes / No

#### Rationale

尚未能完整記錄主要物種之相關（魚種及捕撈數量等）資訊，尚未明確主要物種、次要物種的管理策略。

Insert The CAB should The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

d	Shark finning			
	Guide post	It is likely that shark finning is not taking place.	It is highly likely that shark finning is not taking place.	There is a high degree of certainty that shark finning is not taking place.
	Met?	Yes / No / NA	Yes / No / NA	Yes / No / NA

#### Rationale

違反遠洋漁業條例有關鯊魚漁獲物處理規定案件裁量基準（中華民國 110 年 10 月 5 日行政院農業委員會農授漁字第 1101336486 號令）

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below). Scoring Issue need not be scored if there are no unwanted catches of Primary species.

e	Review of alternative measures			
	Guide post	There is a review of the potential effectiveness and practicality of alternative measures to minimise UoA-related mortality of unwanted catch of main primary species.	There is a regular review of the potential effectiveness and practicality of alternative measures to minimise UoA-related mortality of unwanted catch of main primary species and they are implemented as appropriate.	There is a biennial review of the potential effectiveness and practicality of alternative measures to minimise UoA-related mortality of unwanted catch of all primary species, and they are implemented, as appropriate.
	Met?	Yes / No / NA	Yes / No / NA	Yes / No / NA

#### Rationale

尚未能完整記錄主要物種相關（魚種及捕撈數量等）資訊，尚未明確主要物種、次要物種的管理策略。目前係由於市場拍賣交易紀錄推估，但有可能包括非鬼頭刀作業漁船的混獲魚種資料。目前無審查替代措施的潛在有效性和實用性資料，以最大限度地減少主要物種的不必要捕獲的 UoA 相關死亡率。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below). Scoring Issue need not be scored if there are no unwanted catches of Primary species.

#### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

#### Overall Performance Indicator (PI) Rationale

尚未能完整記錄主要物種相關（魚種及捕撈數量等）資訊，尚未明確主要物種、次要物種的管理策略。目前係由於市場拍賣交易紀錄推估，但有可能包括非鬼頭刀作業漁船的混獲魚種資料。另，目前無審查替代措施的潛在有效性和實用性資料。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what information is sought

### PI 2.1.3 – Primary species information

PI 2.1.3		Information on the nature and extent of primary species is adequate to determine the risk posed by the UoA and the effectiveness of the strategy to manage primary species		
Scoring Issue		SG 60	SG 80	SG 100
a	Information adequacy for assessment of impact on main primary species			
	Guide post	Qualitative information is adequate to estimate the impact of the UoA on the main primary species with respect to status.  OR If RBF is used to score PI 2.1.1 for the UoA: Qualitative information is adequate to estimate productivity and susceptibility attributes for main primary species.	Some quantitative information is available and is adequate to assess the impact of the UoA on the main primary species with respect to status.  OR If RBF is used to score PI 2.1.1 for the UoA: Some quantitative information is adequate to assess productivity and susceptibility attributes for main primary species.	Quantitative information is available and is adequate to assess with a high degree of certainty the impact of the UoA on main primary species with respect to status.
	Met?	Yes / No	Yes / No	Yes / No
Rationale 尚未有文獻提及西北太平洋鬼頭刀漁業對主要/次要物種的影響，但定性信息足以估計 UoA 對主要物種的影響。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

b	Information adequacy for assessment of impact on minor primary species			
	Guide post			Some quantitative information is adequate to estimate the impact of the UoA on minor primary species with respect to status.
	Met?			Yes / No
Rationale 尚未有文獻提及西北太平洋鬼頭刀漁業對主要/次要物種的影響。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

c	Information adequacy for management strategy			
	Guide post	Information is adequate to support measures to manage main primary species.	Information is adequate to support a partial strategy to manage main primary species.	Information is adequate to support a strategy to manage all primary species, and evaluate with a high degree of certainty whether the strategy is achieving its objective.
	Met?	Yes / No	Yes / No	Yes / No
Rationale				



The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

尚未能定義主要物種相關（魚種及捕撈數量等）資訊，尚未明確主要物種、次要物種的管理策略。

漁船作業報表：漁民除記錄主要物種資料外，其捕獲之其他物種，包括海鳥、海龜等非魚類生物，均須如實填寫報表。

#### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

#### Overall Performance Indicator (PI) Rationale

尚未能定義主要物種相關（魚種及捕撈數量等）資訊，尚未明確主要物種、次要物種的管理策略。

缺少尚西北太平洋鬼頭刀漁業對主要/次要物種的影響文獻資料。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range

<60 / 60-79 / ≥80

Information gap indicator

More information sought / Information sufficient to score PI

If more information is sought, include a description of what the information gap is and what information is sought

PI 2.2.1 – Secondary species outcome

PI 2.2.1		The UoA aims to maintain secondary species above a biologically based limit and does not hinder recovery of secondary species if they are below a biological based limit		
Scoring Issue		SG 60	SG 80	SG 100
a	Main secondary species stock status			
	Guide post	Main secondary species are likely to be above biologically based limits.	Main secondary species are highly likely to be above biologically based limits.	There is a high degree of certainty that main secondary species are above biologically based limits.
		OR	OR	
		If below biologically based limits, there are measures in place expected to ensure that the UoA does not hinder recovery and rebuilding.	If below biologically based limits, there is either evidence of recovery or a demonstrably effective partial strategy in place such that the UoA does not hinder recovery and rebuilding. AND Where catches of a main secondary species outside of biological limits are considerable, there is either evidence of recovery or a, demonstrably effective strategy in place between those MSC UoAs that have considerable catches of the species, to ensure that they collectively do not hinder recovery and rebuilding.	
	Met?	Yes / No	Yes / No	Yes / No
Rationale				
<p>尚未能完整紀錄次要物種之相關（魚種及捕撈數量等）資訊，尚未明確主要物種、次要物種的管理策略。2018 年開始實施執行港口查報計畫，漁業署委託臺灣海洋保育與漁業永續基金會聘僱查報員，在東港、新港和蘇澳港執行港口查報和漁獲查核任務。漁船作業報表：漁民除記錄主要物種資料外，其捕獲之其他物種，包括海鳥、海龜等非魚類生物，均須如實填寫報表。</p>				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

b	Minor secondary species stock status			
	Guide post	Minor secondary species are highly likely to be above biologically based limits.		
		OR		
		If below biologically based limits', there is evidence that the UoA does not hinder the recovery and rebuilding of secondary species		

Met?	Yes / No
<p><b>Rationale</b></p> <p>次要物種資訊上不夠明確。目前的調查主要係以魚市場交易魚種為統計數量，尚未全面紀錄（個別）漁船船隻的捕撈漁獲數量（目標魚種、主要物種、次要物種...等之捕獲數量資訊）。</p> <p>漁船作業報表：漁民除記錄主要物種資料外，其捕獲之其他物種，包括海鳥、海龜等非魚類生物，均須如實填寫報表。</p> <p>缺乏相關研究確定次要物種高於 PRI 相關文獻。</p>	

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

<p><b>Overall Performance Indicator (PI) Rationale</b></p> <p>次要物種資訊上不夠明確。目前的調查主要係以魚市場交易魚種為統計數量，尚未全面紀錄（個別）漁船船隻的捕撈漁獲數量（目標魚種、主要物種、次要物種...等之捕獲數量資訊）。</p> <p>漁船作業報表：漁民除記錄主要物種資料外，其捕獲之其他物種，包括海鳥、海龜等非魚類生物，均須如實填寫報表。</p> <p>缺乏相關研究確定次要物種高於 PRI 相關文獻。</p>	
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The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI
Data-deficient? (Risk-Based Framework needed)	Yes / No If more information is sought, include a description of what the information gap is and what information is sought

## PI 2.2.2 – Secondary species management strategy

<b>PI 2.2.2</b>		There is a strategy in place for managing secondary species that is designed to maintain or to not hinder rebuilding of secondary species and the UoA regularly reviews and implements measures, as appropriate, to minimise the mortality of unwanted catch		
<b>Scoring Issue</b>		<b>SG 60</b>	<b>SG 80</b>	<b>SG 100</b>
<b>Management strategy in place</b>				
<b>a</b>	<b>Guide post</b>	There are measures in place, if necessary, which are expected to maintain or not hinder rebuilding of main secondary species at/to levels which are highly likely to be above biologically based limits or to ensure that the UoA does not hinder their recovery.	There is a partial strategy in place, if necessary, for the UoA that is expected to maintain or not hinder rebuilding of main secondary species at/to levels which are highly likely to be above biologically based limits or to ensure that the UoA does not hinder their recovery.	There is a strategy in place for the UoA for managing main and minor secondary species.
	<b>Met?</b>	Yes / <b>No</b>	Yes / No	Yes / No
<b>Rationale</b>				
尚未能完整記錄次要物種之相關（魚種及捕撈數量等）資訊，尚未明確主要物種、次要物種的管理策略。目前係使用魚市場交易之其他物種為參考資料，且三個區域（新港、東港、蘇澳）的資料尚待更詳細的資料。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

<b>Management strategy evaluation</b>				
<b>b</b>	<b>Guide post</b>	The measures are considered likely to work, based on plausible argument (e.g. general experience, theory or comparison with similar UoAs/species).	There is some objective basis for confidence that the measures/partial strategy will work, based on some information directly about the UoA and/or species involved.	Testing supports high confidence that the partial strategy/strategy will work, based on information directly about the UoA and/or species involved.
	<b>Met?</b>	Yes / No	<b>Yes</b> / No	Yes / No
<b>Rationale</b>				
透過卸魚聲明書來達成管理策略。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

<b>Management strategy implementation</b>				
<b>c</b>	<b>Guide post</b>		There is some evidence that the measures/partial strategy is being implemented successfully.	There is clear evidence that the partial strategy/strategy is being implemented successfully and is achieving its objective as set out in scoring issue (a).
	<b>Met?</b>		<b>Yes</b> / No	Yes / No
<b>Rationale</b>				
透過漁會協助，詳實填寫卸魚聲明書、漁船作業報表：漁民除記錄主要物種資料外，其捕獲之其他物種，包括海鳥、海龜等非魚類生物，均須如實填寫報表。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

Shark finning				
d	Guide post	It is likely that shark finning is not taking place.	It is highly likely that shark finning is not taking place.	There is a high degree of certainty that shark finning is not taking place.
	Met?	Yes / No / NA	Yes / No / NA	Yes / No / NA
Rationale				
違反遠洋漁業條例有關鯊魚漁獲物處理規定案件裁量基準（中華民國 110 年 10 月 5 日行政院農業委員會農授漁字第 1101336486 號令）				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below). Scoring issue need not be scored if no Secondary species are sharks.

Review of alternative measures to minimise mortality of unwanted catch				
e	Guide post	There is a review of the potential effectiveness and practicality of alternative measures to minimise UoA-related mortality of unwanted catch of main secondary species.	There is a regular review of the potential effectiveness and practicality of alternative measures to minimise UoA-related mortality of unwanted catch of main secondary species and they are implemented as appropriate.	There is a biennial review of the potential effectiveness and practicality of alternative measures to minimise UoA-related mortality of unwanted catch of all secondary species, and they are implemented, as appropriate.
	Met?	Yes / No / NA	Yes / No / NA	Yes / No / NA
Rationale				
漁船作業報表：漁民除記錄主要物種資料外，其捕獲之其他物種，包括海鳥、海龜等非魚類生物，均須如實填寫報表。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below). Scoring issue need not be scored if no Secondary species are sharks.

## References

The CAB should list any references here, including hyperlinks to publicly-available documents.

### Overall Performance Indicator (PI) Rationale

透過漁會協助，詳實填寫卸魚聲明書、漁船作業報表。但目前尚未能完整記錄次要物種之相關（魚種及捕撈數量等）資訊，尚未明確主要物種、次要物種的管理策略。目前係使用魚市場交易之其他物種為參考資料，且三個區域（新港、東港、蘇澳）的資料尚待更詳細的資料。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what information is sought

## PI 2.2.3 – Secondary species information

PI 2.2.3		Information on the nature and amount of secondary species taken is adequate to determine the risk posed by the UoA and the effectiveness of the strategy to manage secondary species		
Scoring Issue		SG 60	SG 80	SG 100
<b>Information adequacy for assessment of impacts on main secondary species</b>				
a	Guide post	Qualitative information is adequate to estimate the impact of the UoA on the main secondary species with respect to status.	Some quantitative information is available and adequate to assess the impact of the UoA on main secondary species with respect to status.	Quantitative information is available and adequate to assess with a high degree of certainty the impact of the UoA on main secondary species with respect to status.
		OR	OR	
		If RBF is used to score PI 2.2.1 for the UoA:  Qualitative information is adequate to estimate productivity and susceptibility attributes for main secondary species.	If RBF is used to score PI 2.2.1 for the UoA:  Some quantitative information is adequate to assess productivity and susceptibility attributes for main secondary species.	
Met?	Yes / No	Yes / No	Yes / No	
Rationale 相關資料搜集，係由魚市場交易進行統計，部分船主資料未詳細記錄混獲魚種及數量資訊。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

<b>Information adequacy for assessment of impacts on minor secondary species</b>				
b	Guide post			Some quantitative information is adequate to estimate the impact of the UoA on minor secondary species with respect to status.
	Met?			Yes / No
Rationale 尚未有文獻提及西北太平洋鬼頭刀漁業對主要/次要物種的影響。 漁船作業報表：漁民除記錄主要物種資料外，其捕獲之其他物種，包括海鳥、海龜等非魚類生物，均須如實填寫報表。 相關資料搜集，係由魚市場交易缺任，部分船主資料未詳細記錄混獲魚種及數量資訊，因此不易估計 UoA 對次要次生物種的影響。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

<b>Information adequacy for management strategy</b>				
c	Guide post	Information is adequate to support measures to manage main secondary species.	Information is adequate to support a partial strategy to manage main secondary species.	Information is adequate to support a strategy to manage all secondary species, and evaluate with a high degree of certainty

				whether the strategy is achieving its objective.
	Met?	Yes / No	Yes / No	Yes / No
Rationale				
<p>尚未能定義次要物種相關（魚種及捕撈數量等）資訊，以及明確的主要物種、次要物種的管理策略。</p> <p>漁船作業報表：漁民除記錄主要物種資料外，其捕獲之其他物種，包括海鳥、海龜等非魚類生物，均須如實填寫報表。</p>				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

#### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

#### Overall Performance Indicator (PI) Rationale

尚未能定義次要物種相關（魚種及捕撈數量等）資訊，以及明確的主要物種、次要物種的管理策略。相關資料搜集，係由魚市場交易缺任，部分船主資料未詳細記錄混獲魚種及數量資訊。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	<p>More information sought / Information sufficient to score PI</p> <p>If more information is sought, include a description of what the information gap is and what is information is sought</p>



## PI 2.3.1 – ETP species outcome

PI 2.3.1		The UoA meets national and international requirements for the protection of ETP species The UoA does not hinder recovery of ETP species		
Scoring Issue		SG 60	SG 80	SG 100
a	Effects of the UoA on population/stock within national or international limits, where applicable			
	Guide post	Where national and/or international requirements set limits for ETP species, the effects of the UoA on the population/ stock are known and likely to be within these limits.	Where national and/or international requirements set limits for ETP species, the combined effects of the MSC UoAs on the population /stock are known and highly likely to be within these limits.	Where national and/or international requirements set limits for ETP species, there is a high degree of certainty that the combined effects of the MSC UoAs are within these limits.
	Met?	Yes / No / NA	Yes / No / NA	Yes / No / NA
Rationale 依據國家法規及國際規範界定 ETP 物種，而 MSC UoA 的綜合影響在這些限制範圍內具有高度確定性。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below). Scoring issue need not be scored if there are no national or international requirements that set limits for ETP species.

b	Direct effects			
	Guide post	Known direct effects of the UoA are likely to not hinder recovery of ETP species.	Direct effects of the UoA are highly likely to not hinder recovery of ETP species.	There is a high degree of confidence that there are no significant detrimental direct effects of the UoA on ETP species.
	Met?	Yes / No	Yes / No	Yes / No
Rationale 從相關研究資歷料來評估，UoA 對 ETP 物種沒有顯著的不利直接影響				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

c	Indirect effects			
	Guide post		Indirect effects have been considered for the UoA and are thought to be highly likely to not create unacceptable impacts.	There is a high degree of confidence that there are no significant detrimental indirect effects of the UoA on ETP species.
	Met?		Yes / No	Yes / No
Rationale				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

## Overall Performance Indicator (PI) Rationale

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what information is sought
Data-deficient? (Risk-Based Framework needed)	Yes / No

## PI 2.3.2 – ETP species management strategy

PI 2.3.2	<p>The UoA has in place precautionary management strategies designed to:</p> <ul style="list-style-type: none"> <li>- meet national and international requirements;</li> <li>- ensure the UoA does not hinder recovery of ETP species.</li> </ul> <p>Also, the UoA regularly reviews and implements measures, as appropriate, to minimise the mortality of ETP species</p>		
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Scoring Issue	SG 60	SG 80	SG 100
a	<b>Management strategy in place (national and international requirements)</b>		
	<b>Guide post</b> There are measures in place that minimise the UoA-related mortality of ETP species, and are expected to be highly likely to achieve national and international requirements for the protection of ETP species.	<b>There is a strategy in place for managing the UoA's impact on ETP species, including measures to minimise mortality, which is designed to be highly likely to achieve national and international requirements for the protection of ETP species.</b>	There is a comprehensive strategy in place for managing the UoA's impact on ETP species, including measures to minimise mortality, which is designed to achieve above national and international requirements for the protection of ETP species.
	<b>Met?</b>	Yes / No / NA	<b>Yes</b> / No / NA

### Rationale

台灣的主管機關雖已針對 ETP 物種採取管理策略與措施，但因有關物種的資訊蒐集不足，導致無可信且客觀的基礎資訊得以證明管理策略之成效，因此也需加強相關資訊的蒐集，以進一步驗證管理策略是否有效。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below). Scoring issue need not be scored if there are requirements for protection or rebuilding provided through national ETP legislation or international agreements.

b	<b>Management strategy in place (alternative)</b>		
	<b>Guide post</b> There are measures in place that are expected to ensure the UoA does not hinder the recovery of ETP species.	<b>There is a strategy in place that is expected to ensure the UoA does not hinder the recovery of ETP species.</b>	There is a comprehensive strategy in place for managing ETP species, to ensure the UoA does not hinder the recovery of ETP species.
	<b>Met?</b>	Yes / No / NA	<b>Yes</b> / No / NA

### Rationale

台灣的主管機關針對 ETP 物種採取管理策略與措施，確保 UoA 不會阻礙 ETP 物種恢復。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below). Scoring issue need not be scored if there are requirements for protection or rebuilding provided through national ETP legislation or international agreements.

c	<b>Management strategy evaluation</b>		
	<b>Guide post</b> The measures are considered likely to work, based on plausible argument (e.g., general experience, theory or comparison with similar fisheries/species).	<b>There is an objective basis for confidence that the measures/strategy will work, based on information directly</b>	The strategy/comprehensive strategy is mainly based on information directly about the fishery and/or species involved, and a quantitative analysis

			about the fishery and/or the species involved.	supports high confidence that the strategy will work.
	Met?	Yes / No	Yes / No	Yes / No

Rationale

針對 ETP 物種採取管理策略與措施（包括一般經驗、理論或與類似漁業/物種的比較），作業後要回報主要物種、次要物種、ETP 物種及生態相關資料。

這些措施被認為可能是有效的。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

	Management strategy implementation			
d	Guide post		There is some evidence that the measures/strategy is being implemented successfully.	There is clear evidence that the strategy/comprehensive strategy is being implemented successfully and is achieving its objective as set out in scoring issue (a) or (b).
	Met?		Yes / No	Yes / No

Rationale

針對 ETP 物種採取管理策略與措施目前皆有實施。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

	Review of alternative measures to minimize mortality of ETP species			
e	Guide post	There is a review of the potential effectiveness and practicality of alternative measures to minimise UoA-related mortality of ETP species.	There is a regular review of the potential effectiveness and practicality of alternative measures to minimise UoA-related mortality of ETP species and they are implemented as appropriate.	There is a biennial review of the potential effectiveness and practicality of alternative measures to minimise UoA-related mortality ETP species, and they are implemented, as appropriate.
	Met?	Yes / No	Yes / No	Yes / No

Rationale

目前尚缺乏減少 ETP 物種死亡率的替代措施。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

References

The CAB should list any references here, including hyperlinks to publicly-available documents.

Overall Performance Indicator (PI) Rationale

台灣的主管機關雖已針對 ETP 物種採取管理策略與措施，但因有關物種的資訊蒐集不足，導致無可信且客觀的基礎資訊得以證明管理策略之成效，因此也需加強相關資訊的蒐集，以進一步驗證管理策略是否有效。

針對 ETP 物種採取管理策略與措施，要求業者作業後要回報主要物種、次要物種、ETP 物種及生態相關資料。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what is information is sought

### PI 2.3.3 – ETP species information

PI 2.3.3	Relevant information is collected to support the management of UoA impacts on ETP species, including: <ul style="list-style-type: none"> <li>- Information for the development of the management strategy;</li> <li>- Information to assess the effectiveness of the management strategy; and</li> <li>- Information to determine the outcome status of ETP species</li> </ul>			
Scoring Issue	SG 60	SG 80	SG 100	
a	Information adequacy for assessment of impacts			
	Guide post	<p>Qualitative information is adequate to estimate the UoA related mortality on ETP species.</p> <p>OR</p> <p>If RBF is used to score PI 2.3.1 for the UoA: Qualitative information is adequate to estimate productivity and susceptibility attributes for ETP species.</p>	<p>Some quantitative information is adequate to assess the UoA related mortality and impact and to determine whether the UoA may be a threat to protection and recovery of the ETP species.</p> <p>OR</p> <p>If RBF is used to score PI 2.3.1 for the UoA: Some quantitative information is adequate to assess productivity and susceptibility attributes for ETP species.</p>	<p>Quantitative information is available to assess with a high degree of certainty the magnitude of UoA-related impacts, mortalities and injuries and the consequences for the status of ETP species.</p>
	Met?	Yes / No	Yes / No	Yes / No
Rationale ETP 物種方面，台灣部分雖已針對該等物種採取管理策略及措施，但因對 ETP 物種的資訊蒐集不足				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

b	Information adequacy for management strategy			
	Guide post	<p>Information is adequate to support measures to manage the impacts on ETP species.</p>	<p>Information is adequate to measure trends and support a strategy to manage impacts on ETP species.</p>	<p>Information is adequate to support a comprehensive strategy to manage impacts, minimize mortality and injury of ETP species, and evaluate with a high degree of certainty whether a strategy is achieving its objectives.</p>
	Met?	Yes / No	Yes / No	Yes / No
Rationale 對 ETP 物種的資訊蒐集不足，但相關信息足以支持管理對 ETP 物種影響的措施。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

#### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

#### Overall Performance Indicator (PI) Rationale

ETP 物種方面，台灣部分雖已針對該等物種採取管理策略及措施，但因對 ETP 物種的資訊蒐集不足。雖然對 ETP 物種的資訊蒐集不足，但相關信息足以支持管理對 ETP 物種影響的措施。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what information is sought

PI 2.4.1 – Habitats outcome

<b>PI 2.4.1</b>		The UoA does not cause serious or irreversible harm to habitat structure and function, considered on the basis of the area covered by the governance body(s) responsible for fisheries management in the area(s) where the UoA operates		
<b>Scoring Issue</b>		<b>SG 60</b>	<b>SG 80</b>	<b>SG 100</b>
<b>Commonly encountered habitat status</b>				
<b>a</b>	<b>Guide post</b>	The UoA is unlikely to reduce structure and function of the commonly encountered habitats to a point where there would be serious or irreversible harm.	The UoA is highly unlikely to reduce structure and function of the commonly encountered habitats to a point where there would be serious or irreversible harm.	There is evidence that the UoA is highly unlikely to reduce structure and function of the commonly encountered habitats to a point where there would be serious or irreversible harm.
	<b>Met?</b>	Yes / No	Yes / No	Yes / No
<b>Rationale</b> 透過管理系統及漁民共識，以及參考鬼頭刀漁業資源評估研究報告（2020），UoA 不會對棲息地結構和功能造成嚴重或不可逆轉的損害。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

<b>VME habitat status</b>				
<b>b</b>	<b>Guide post</b>	The UoA is unlikely to reduce structure and function of the VME habitats to a point where there would be serious or irreversible harm.	The UoA is highly unlikely to reduce structure and function of the VME habitats to a point where there would be serious or irreversible harm.	There is evidence that the UoA is highly unlikely to reduce structure and function of the VME habitats to a point where there would be serious or irreversible harm.
	<b>Met?</b>	Yes / No / NA	Yes / No / NA	Yes / No / NA
<b>Rationale</b> 透過管理系統及漁民共識，以及參考鬼頭刀漁業資源評估研究報告（2020），漁法不會影響 VME 棲息地。UoA 極不可能將 VME 棲息地的結構和功能降低到造成嚴重或不可逆轉的傷害的程度。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below). Scoring issue need not be scored if there are no VMEs.

<b>Minor habitat status</b>				
<b>c</b>	<b>Guide post</b>			There is evidence that the UoA is highly unlikely to reduce structure and function of the minor habitats to a point where there would be serious or irreversible harm.
	<b>Met?</b>			Yes / No
<b>Rationale</b>				



The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

References

透過管理系統及漁民共識，以及參考鬼頭刀漁業資源評估研究報告（2020），漁法不會影響次要棲息地。UoA 極不可能將次要棲息地的結構和功能降低到造成嚴重或不可逆轉的危害的程度。

The CAB should list any references here, including hyperlinks to publicly-available documents.

Overall Performance Indicator (PI) Rationale

透過管理系統及漁民共識，以及參考鬼頭刀漁業資源評估研究報告（2020），漁法不會影響 VME 棲息地。UoA 極不可能將 VME 棲息地的結構和功能降低到造成嚴重或不可逆轉的危害的程度。但目前缺少 VME 棲息地的結構和功能參考點資料。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / <b>≥80</b>
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what information is sought
Data-deficient? (Risk-Based Framework needed)	Yes / No

## PI 2.4.2 – Habitats management strategy

PI 2.4.2		There is a strategy in place that is designed to ensure the UoA does not pose a risk of serious or irreversible harm to the habitats		
Scoring Issue		SG 60	SG 80	SG 100
a	Management strategy in place			
	Guide post	There are measures in place, if necessary, that are expected to achieve the Habitat Outcome 80 level of performance.	There is a partial strategy in place, if necessary, that is expected to achieve the Habitat Outcome 80 level of performance or above.	There is a strategy in place for managing the impact of all MSC UoAs/non-MSC fisheries on habitats.
	Met?	Yes / No	Yes / No	Yes / No
Rationale				
對於 UoA 不會對棲息地造成嚴重或不可逆轉的傷害的策略，尚未訂定針對棲息地的管理措施。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

b	Management strategy evaluation			
	Guide post	The measures are considered likely to work, based on plausible argument (e.g. general experience, theory or comparison with similar UoAs/habitats).	There is some objective basis for confidence that the measures/partial strategy will work, based on information directly about the UoA and/or habitats involved.	Testing supports high confidence that the partial strategy/strategy will work, based on information directly about the UoA and/or habitats involved.
	Met?	Yes / No	Yes / No	Yes / No
Rationale				
可由作業漁區界定主要棲息地的類型和分佈區域，但相關調查資料仍缺乏。尚無針對棲息地管理的策略。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

無需評分 not applicable

c	Management strategy implementation			
	Guide post		There is some quantitative evidence that the measures/partial strategy is being implemented successfully.	There is clear quantitative evidence that the partial strategy/strategy is being implemented successfully and is achieving its objective, as outlined in scoring issue (a).
	Met?		Yes / No	Yes / No
Rationale				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

無需評分 not applicable

Compliance with management requirements and other MSC UoAs'/non-MSC fisheries' measures to protect VMEs				
d	Guide post	There is qualitative evidence that the UoA complies with its management requirements to protect VMEs.	There is some quantitative evidence that the UoA complies with both its management requirements and with protection measures afforded to VMEs by other MSC UoAs/non-MSC fisheries, where relevant.	There is clear quantitative evidence that the UoA complies with both its management requirements and with protection measures afforded to VMEs by other MSC UoAs/non-MSC fisheries, where relevant.
		Met?	Yes / No / NA	Yes / No / NA
Rationale				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below). Scoring issue need not be scored if there are no VMEs.

無需評分 not applicable

#### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

#### Overall Performance Indicator (PI) Rationale

可由作業漁區界定主要棲息地的類型和分佈區域，但相關調查資料仍缺乏。尚無針對棲息地管理的策略

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what is information is sought

### PI 2.4.3 – Habitats information

PI 2.4.3		Information is adequate to determine the risk posed to the habitat by the UoA and the effectiveness of the strategy to manage impacts on the habitat		
Scoring Issue		SG 60	SG 80	SG 100
a	Information quality			
	Guide post	The types and distribution of the main habitats are broadly understood.	The nature, distribution and vulnerability of the main habitats in the UoA area are known at a level of detail relevant to the scale and intensity of the UoA.	The distribution of all habitats is known over their range, with particular attention to the occurrence of vulnerable habitats.
		OR	OR	
Met?	Yes / No	Yes / No	Yes / No	
Rationale				
可由作業漁區界定主要棲息地的類型和分佈區域，但相關調查資料仍缺乏。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

b	Information adequacy for assessment of impacts			
	Guide post	Information is adequate to broadly understand the nature of the main impacts of gear use on the main habitats, including spatial overlap of habitat with fishing gear.	Information is adequate to allow for identification of the main impacts of the UoA on the main habitats, and there is reliable information on the spatial extent of interaction and on the timing and location of use of the fishing gear.	The physical impacts of the gear on all habitats have been quantified fully.
		OR	OR	
Met?	Yes / No	Yes / No	Yes / No	
Rationale				
對於主要棲息地的類型和分佈區域調查資料仍缺乏，例如棲息地與漁事作業的空間重疊影響等。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

c	Monitoring
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Guide post	Adequate information continues to be collected to detect any increase in risk to the main habitats.	Changes in all habitat distributions over time are measured.
Met?	Yes / No	Yes / No

**Rationale**

尚未進行相關訊息資料蒐集，以及後續的監控措施，據以監控主要棲息地風險的任何增加。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

**References**

The CAB should list any references here, including hyperlinks to publicly-available documents.

**Overall Performance Indicator (PI) Rationale**

可由作業漁區界定主要棲息地的類型和分佈區域，但相關調查資料仍缺乏；對於主要棲息地的類型和分佈區域調查資料仍缺乏，例如棲息地與漁事作業的空間重疊影響等。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what information is sought

## PI 2.5.1 – Ecosystem outcome

PI 2.5.1		The UoA does not cause serious or irreversible harm to the key elements of ecosystem structure and function		
Scoring Issue		SG 60	SG 80	SG 100
a	Ecosystem status			
	Guide post	The UoA is unlikely to disrupt the key elements underlying ecosystem structure and function to a point where there would be a serious or irreversible harm.	The UoA is highly unlikely to disrupt the key elements underlying ecosystem structure and function to a point where there would be a serious or irreversible harm.	There is evidence that the UoA is highly unlikely to disrupt the key elements underlying ecosystem structure and function to a point where there would be a serious or irreversible harm.
	Met?	Yes / No / Partial	Yes / No / Partial	Yes / No / Partial
<b>Rationale</b> 透過管理系統及漁民共識，以及參考鬼頭刀漁業資源評估研究報告（2020），UoA 不太可能將生態系統結構和功能的關鍵要素破壞到造成嚴重或不可逆轉的損害的程度。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

### Overall Performance Indicator (PI) Rationale

透過管理系統及漁民共識，以及參考鬼頭刀漁業資源評估研究報告（2020），UoA 不太可能將生態系統結構和功能的關鍵要素破壞到造成嚴重或不可逆轉的損害的程度。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what information is sought
Data-deficient? (Risk-Based Framework needed)	Yes / No

## PI 2.5.2 – Ecosystem management strategy

PI 2.5.2		There are measures in place to ensure the UoA does not pose a risk of serious or irreversible harm to ecosystem structure and function		
Scoring Issue		SG 60	SG 80	SG 100
a	<b>Management strategy in place</b>			
	Guide post	There are measures in place, if necessary which take into account the potential impacts of the UoA on key elements of the ecosystem.	There is a partial strategy in place, if necessary, which takes into account available information and is expected to restrain impacts of the UoA on the ecosystem so as to achieve the Ecosystem Outcome 80 level of performance.	There is a strategy that consists of a plan, in place which contains measures to address all main impacts of the UoA on the ecosystem, and at least some of these measures are in place.
	Met?	Yes / No	Yes / No	Yes / No
Rationale 尚未建立有關生態系統的管理策略。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

b	<b>Management strategy evaluation</b>			
	Guide post	The measures are considered likely to work, based on plausible argument (e.g., general experience, theory or comparison with similar UoAs/ecosystems).	There is some objective basis for confidence that the measures/partial strategy will work, based on some information directly about the UoA and/or the ecosystem involved.	Testing supports high confidence that the partial strategy/strategy will work, based on information directly about the UoA and/or ecosystem involved.
	Met?	Yes / No	Yes / No	Yes / No
Rationale 尚未建立有關生態系統的管理策略。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

c	<b>Management strategy implementation</b>			
	Guide post		There is some evidence that the measures/partial strategy is being implemented successfully.	There is clear evidence that the partial strategy/strategy is being implemented successfully and is achieving its objective as set out in scoring issue (a).
	Met?		Yes / No	Yes / No
Rationale 尚未建立有關生態系統的管理策略。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

## References

The CAB should list any references here, including hyperlinks to publicly-available documents.

### Overall Performance Indicator (PI) Rationale

尚未建立有關生態系統的管理策略。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what is information is sought



### PI 2.5.3 – Ecosystem information

PI 2.5.3		There is adequate knowledge of the impacts of the UoA on the ecosystem		
Scoring Issue		SG 60	SG 80	SG 100
a	Information quality			
	Guide post	Information is adequate to identify the key elements of the ecosystem.	Information is adequate to broadly understand the key elements of the ecosystem.	
	Met?	Yes / No	Yes / No	
Rationale				
目前委由台灣海洋大學進行資源、漁獲調查，但尚未針對 UoA 對生態系統的影響進行調查或研究。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

b	Investigation of UoA impacts			
	Guide post	Main impacts of the UoA on these key ecosystem elements can be inferred from existing information, but have not been investigated in detail.	Main impacts of the UoA on these key ecosystem elements can be inferred from existing information, and some have been investigated in detail.	Main interactions between the UoA and these ecosystem elements can be inferred from existing information, and have been investigated in detail.
	Met?	Yes / No	Yes / No	Yes / No
Rationale				
尚未針對 UoA 的關鍵生態系統要素進行界定、有關生態系統的資訊蒐集不足，以及尚未進行詳細調查。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

c	Understanding of component functions			
	Guide post		The main functions of the components (i.e., P1 target species, primary, secondary and ETP species and Habitats) in the ecosystem are known.	The impacts of the UoA on P1 target species, primary, secondary and ETP species and Habitats are identified and the main functions of these components in the ecosystem are understood.
	Met?		Yes / No	Yes / No
Rationale				
有關生態系統的資訊蒐集不足，目前台灣僅有少數的海洋生態系統研究。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

	Information relevance		
d	Guide post		Adequate information is available on the impacts of the UoA on these components to allow some of the main consequences for the ecosystem to be inferred.
	Met?		Yes / No
Rationale			
有關生態系統的資訊蒐集不足，目前台灣僅有少數的海洋生態系統研究。			

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

	Monitoring		
e	Guide post		Adequate data continue to be collected to detect any increase in risk level.
	Met?		Yes / No
Rationale			
有關生態系統的資訊蒐集不足，目前台灣僅有少數的海洋生態系統研究。			

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

References

The CAB should list any references here, including hyperlinks to publicly-available documents.

Overall Performance Indicator (PI) Rationale  
 尚未針對 UoA 的關鍵生態系統要素進行界定、有關生態系統的資訊蒐集不足，也尚未進行關鍵生態系統要素的詳細調查。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what is information is sought

### PI 3.1.1 – Legal and/or customary framework

PI 3.1.1	The management system exists within an appropriate legal and/or customary framework which ensures that it: <ul style="list-style-type: none"> <li>- Is capable of delivering sustainability in the UoA(s);</li> <li>- Observes the legal rights created explicitly or established by custom of people dependent on fishing for food or livelihood; and</li> <li>- Incorporates an appropriate dispute resolution framework</li> </ul>		
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Scoring Issue	SG 60	SG 80	SG 100
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a	<b>Compatibility of laws or standards with effective management</b>			
	Guide post	There is an effective national legal system and a framework for cooperation with other parties, where necessary, to deliver management outcomes consistent with MSC Principles 1 and 2	There is an effective national legal system and organised and effective cooperation with other parties, where necessary, to deliver management outcomes consistent with MSC Principles 1 and 2.	There is an effective national legal system and binding procedures governing cooperation with other parties which delivers management outcomes consistent with MSC Principles 1 and 2.
	Met?	Yes / No	Yes / No	Yes / No

**Rationale**  
 管理體系存在於適當的法律和/或習慣框架內，由對外漁協、新港漁會、東港區漁會、蘇澳區漁會進行有效的管理。  
 (漁業署相關漁業法令 <https://www.fa.gov.tw/cht/Laws/index.aspx>、台東縣政府/屏東縣政府/宜蘭縣政府沿近海漁業作業管制相關法令公告 <https://www.fa.gov.tw/cht/LawsGov/index.aspx>)、沿近海鮪延繩釣漁船作業管理辦法等。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

b	<b>Resolution of disputes</b>			
	Guide post	The management system incorporates or is subject by law to a mechanism for the resolution of legal disputes arising within the system.	The management system incorporates or is subject by law to a transparent mechanism for the resolution of legal disputes which is considered to be effective in dealing with most issues and that is appropriate to the context of the UoA.	The management system incorporates or is subject by law to a transparent mechanism for the resolution of legal disputes that is appropriate to the context of the fishery and has been tested and proven to be effective.
	Met?	Yes / No	Yes / No	Yes / No

**Rationale**  
 爭議的解決，將會由漁會協調，必要時透過縣市政府進行法令約束、協調或仲裁。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

c	<b>Respect for rights</b>		
	Guide post	The management system has a mechanism to generally respect the legal rights created explicitly or established by custom of people dependent on fishing for	The management system has a mechanism to observe the legal rights created explicitly or established by custom of people dependent on fishing for food or

	food or livelihood in a manner consistent with the objectives of MSC Principles 1 and 2.	livelihood in a manner consistent with the objectives of MSC Principles 1 and 2.	fishing for food and livelihood in a manner consistent with the objectives of MSC Principles 1 and 2.
Met?	Yes / No	Yes / No	Yes / No

#### Rationale

管理系統符合原則 1 及原則 2 目標方式，遵守以捕魚為食或謀生的人們明確創造或由習俗確立的合法權利。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

#### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

#### Overall Performance Indicator (PI) Rationale

管理體系存在於適當的法律和/或習慣框架內，爭議的解決，將會由漁會協調，必要時透過縣市政府進行法令約束、協調或仲裁。

管理系統符合原則 1 及原則 2 目標方式，遵守以捕魚為食或謀生的人們明確創造或由習俗確立的合法權利。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what information is sought

### PI 3.1.2 – Consultation, roles and responsibilities

<b>PI 3.1.2</b>		The management system has effective consultation processes that are open to interested and affected parties The roles and responsibilities of organisations and individuals who are involved in the management process are clear and understood by all relevant parties		
<b>Scoring Issue</b>		<b>SG 60</b>	<b>SG 80</b>	<b>SG 100</b>
<b>Roles and responsibilities</b>				
<b>a</b>	<b>Guide post</b>	Organisations and individuals involved in the management process have been identified. Functions, roles and responsibilities are generally understood.	Organisations and individuals involved in the management process have been identified. Functions, roles and responsibilities are explicitly defined and well understood for key areas of responsibility and interaction.	Organisations and individuals involved in the management process have been identified. Functions, roles and responsibilities are explicitly defined and well understood for all areas of responsibility and interaction.
	<b>Met?</b>	Yes / No	Yes / No	Yes / No
<b>Rationale</b>				
已確定參與管理過程的組織和個人，對外漁協、新港漁會、東港區漁會、蘇澳區漁會及漁業署分工明確。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

<b>Consultation processes</b>				
<b>b</b>	<b>Guide post</b>	The management system includes consultation processes that obtain relevant information from the main affected parties, including local knowledge, to inform the management system.	The management system includes consultation processes that regularly seek and accept relevant information, including local knowledge. The management system demonstrates consideration of the information obtained.	The management system includes consultation processes that regularly seek and accept relevant information, including local knowledge. The management system demonstrates consideration of the information and explains how it is used or not used.
	<b>Met?</b>	Yes / No	Yes / No	Yes / No
<b>Rationale</b>				
每年（不定期）邀集漁民進行鬼頭刀漁業目標討論，並將新港鬼頭刀漁業改進計畫之行動計畫（2020/09）公告在網站上（ <a href="http://www.taiwanfip.tw/mahimahi_fip.html">http://www.taiwanfip.tw/mahimahi_fip.html</a> ）。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

<b>Participation</b>				
<b>c</b>	<b>Guide post</b>		The consultation process provides opportunity for all interested and affected parties to be involved.	The consultation process provides opportunity and encouragement for all interested and affected parties to be involved, and facilitates their effective engagement.
	<b>Met?</b>		Yes / No	Yes / No
<b>Rationale</b>				

除對外漁協、新港漁會、東港區漁會、蘇澳區漁會、漁業署及漁民外，同時會邀請相關專家學者或協會組織參與，例如：財團法人臺灣海洋保育與漁業永續基金會等。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

## References

The CAB should list any references here, including hyperlinks to publicly-available documents.

### Overall Performance Indicator (PI) Rationale

已確定參與管理過程的組織和個人，對外漁協、新港漁會、東港區漁會、蘇澳區漁會及漁業署分工明確。每年（不定期）邀集漁民進行鬼頭刀漁業目標討論，同時會邀請相關專家學者或協會組織參與，並將新港鬼頭刀漁業改進計畫之行動計畫（2020/09）公告在網站上。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what is information is sought

### PI 3.1.3 – Long term objectives

PI 3.1.3		The management policy has clear long-term objectives to guide decision-making that are consistent with MSC Fisheries Standard, and incorporates the precautionary approach		
Scoring Issue		SG 60	SG 80	SG 100
a	Objectives			
	Guide post	Long-term objectives to guide decision-making, consistent with the MSC Fisheries Standard and the precautionary approach, are implicit within management policy.	Clear long-term objectives that guide decision-making, consistent with MSC Fisheries Standard and the precautionary approach are explicit within management policy.	Clear long-term objectives that guide decision-making, consistent with MSC Fisheries Standard and the precautionary approach, are explicit within and required by management policy.
	Met?	Yes / No / Partial	Yes / No / Partial	Yes / No / Partial
<p>Rationale</p> <p>尚長期目標：使用最佳可得之科學資訊發展預防作法及漁獲管控規則，使資源可以在保育基礎下永續發展</p> <p>新港鬼頭刀漁業改進計畫之行動計畫（2020/09）中。</p>				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

#### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

#### Overall Performance Indicator (PI) Rationale

尚長期目標：使用最佳可得之科學資訊發展預防作法及漁獲管控規則，使資源可以在保育基礎下永續發展。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what information is sought

## PI 3.2.1 – Fishery-specific objectives

PI 3.2.1		The fishery-specific management system has clear, specific objectives designed to achieve the outcomes expressed by MSC's Principles 1 and 2		
Scoring Issue		SG 60	SG 80	SG 100
a	Objectives			
	Guide post	Objectives, which are broadly consistent with achieving the outcomes expressed by MSC's Principles 1 and 2, are implicit within the fishery-specific management system.	Short and long-term objectives, which are consistent with achieving the outcomes expressed by MSC's Principles 1 and 2, are explicit within the fishery-specific management system.	Well defined and measurable short and long-term objectives, which are demonstrably consistent with achieving the outcomes expressed by MSC's Principles 1 and 2, are explicit within the fishery-specific management system.
	Met?	Yes / No / Partial	Yes / No / Partial	Yes / No / Partial
Rationale				
短期和長期目標在漁業特定管理系統中是明確的，新港鬼頭刀漁業改進計畫之行動計畫（2020/09）中。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

短期和長期目標在漁業特定管理系統中是明確的，新港鬼頭刀漁業改進計畫之行動計畫（2020/09）中。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what is information is sought



## PI 3.2.2 – Decision-making processes

PI 3.2.2		The fishery-specific management system includes effective decision-making processes that result in measures and strategies to achieve the objectives, and has an appropriate approach to actual disputes in the fishery		
Scoring Issue		SG 60	SG 80	SG 100
Decision-making processes				
a	Guide post	There are some decision-making processes in place that result in measures and strategies to achieve the fishery-specific objectives.	There are established decision-making processes that result in measures and strategies to achieve the fishery-specific objectives.	
	Met?	Yes / No	Yes / No	
Rationale				
由對外漁協、新港漁會、東港區漁會、蘇澳區漁會及漁業署每年（不定期）邀集漁民進行鬼頭刀漁業目標討論。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

Responsiveness of decision-making processes				
b	Guide post	Decision-making processes respond to serious issues identified in relevant research, monitoring, evaluation and consultation, in a transparent, timely and adaptive manner and take some account of the wider implications of decisions.	Decision-making processes respond to serious and other important issues identified in relevant research, monitoring, evaluation and consultation, in a transparent, timely and adaptive manner and take account of the wider implications of decisions.	Decision-making processes respond to all issues identified in relevant research, monitoring, evaluation and consultation, in a transparent, timely and adaptive manner and take account of the wider implications of decisions.
	Met?	Yes / No	Yes / No	Yes / No
Rationale				
由對外漁協、新港漁會、東港區漁會、蘇澳區漁會及漁業署每年（不定期）邀集漁民進行鬼頭刀漁業目標討論，並委由國立台灣海洋大學進行相關 FIP 資源、調查等研究，相關資料公開與業者參考。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

Use of precautionary approach				
c	Guide post		Decision-making processes use the precautionary approach and are based on best available information.	
	Met?		Yes / No	
Rationale				
決策過程使用預防方法，參考鬼頭刀相關研究報告、統計資訊。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

Accountability and transparency of management system and decision-making process				
d	Guide post	Some information on the fishery's performance and management action is generally available on request to stakeholders.	Information on the fishery's performance and management action is available on request, and explanations are provided for any actions or lack of action associated with findings and relevant recommendations emerging from research, monitoring, evaluation and review activity.	Formal reporting to all interested stakeholders provides comprehensive information on the fishery's performance and management actions and describes how the management system responded to findings and relevant recommendations emerging from research, monitoring, evaluation and review activity.
	Met?	Yes / No	Yes / No	Yes / No

#### Rationale

由對外漁協、新港漁會、東港區漁會、蘇澳區漁會及漁業署每年（不定期）邀集漁民進行鬼頭刀漁業目標討論，相關 FIP 資源、調查等研究，相關資料公開與業者參考，需要時由相關執行與統計單位進行說明。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

Approach to disputes				
e	Guide post	Although the management authority or fishery may be subject to continuing court challenges, it is not indicating a disrespect or defiance of the law by repeatedly violating the same law or regulation necessary for the sustainability for the fishery.	The management system or fishery is attempting to comply in a timely fashion with judicial decisions arising from any legal challenges.	The management system or fishery acts proactively to avoid legal disputes or rapidly implements judicial decisions arising from legal challenges.
	Met?	Yes / No	Yes / No	Yes / No

#### Rationale

目前未發生反法令或與司法衝突的情形，新港鬼頭刀管理系統將致力避免法律糾紛或迅速執行因法律挑戰而產生的司法決定。

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

#### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

#### Overall Performance Indicator (PI) Rationale

由對外漁協、新港漁會、東港區漁會、蘇澳區漁會及漁業署每年（不定期）邀集漁民進行鬼頭刀漁業目標討論，相關 FIP 資源、調查等研究，相關資料公開與業者參考，需要時由相關執行與統計單位進行說明。  
目前未發生反法令或與司法衝突的情形，新港鬼頭刀管理系統將致力避免法律糾紛或迅速執行因法律挑戰而產生的司法決定。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what information is sought

### PI 3.2.3 – Compliance and enforcement

PI 3.2.3		Monitoring, control and surveillance mechanisms ensure the management measures in the fishery are enforced and complied with		
Scoring Issue		SG 60	SG 80	SG 100
a	<b>MCS implementation</b>			
	Guide post	Monitoring, control and surveillance mechanisms exist, and are implemented in the fishery and there is a reasonable expectation that they are effective.	A monitoring, control and surveillance system has been implemented in the fishery and has demonstrated an ability to enforce relevant management measures, strategies and/or rules.	A comprehensive monitoring, control and surveillance system has been implemented in the fishery and has demonstrated a consistent ability to enforce relevant management measures, strategies and/or rules.
	Met?	Yes / No	Yes / No	Yes / No
<b>Rationale</b> 有進行相關監測，包括由漁會協助進行卸魚申報資料、漁獲量統計、混獲調查等。沿近海鮪延繩釣漁船作業管理辦法。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

b	<b>Sanctions</b>			
	Guide post	Sanctions to deal with non-compliance exist and there is some evidence that they are applied.	Sanctions to deal with non-compliance exist, are consistently applied and thought to provide effective deterrence.	Sanctions to deal with non-compliance exist, are consistently applied and demonstrably provide effective deterrence.
	Met?	Yes / No	Yes / No	Yes / No
<b>Rationale</b> 漁業部門（漁業署）對於違規的漁船（例如漁工、漁具漁法要求、違規等）可能處以相關罰則。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

c	<b>Compliance</b>			
	Guide post	Fishers are generally thought to comply with the management system for the fishery under assessment, including, when required, providing information of importance to the effective management of the fishery.	Some evidence exists to demonstrate fishers comply with the management system under assessment, including, when required, providing information of importance to the effective management of the fishery.	There is a high degree of confidence that fishers comply with the management system under assessment, including, providing information of importance to the effective management of the fishery.
	Met?	Yes / No	Yes / No	Yes / No
<b>Rationale</b> 透過漁會進行漁民輔導及漁業管理，進而遵守了被評估的管理體系，包括在需要時提供對漁業有效管理相關信息。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

d	Systematic non-compliance		
	Guide post		There is no evidence of systematic non-compliance.
	Met?		Yes / No
Rationale 沒有不符合的證據。			

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

**Overall Performance Indicator (PI) Rationale**  
 透過漁會進行漁民輔導及漁業管理，進而遵守了被評估的管理體系，包括在需要時提供對漁業有效管理相關信息，新港鬼頭刀漁業改進計畫之行動計畫（2020/09）、相關監測，包括由漁會協助進行卸魚申報資料、漁獲量統計、混獲調查等。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

Draft scoring range	<60 / 60-79 / ≥80
Information gap indicator	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what information is sought

## PI 3.2.4 – Monitoring and management performance evaluation

<b>PI 3.2.4</b>		There is a system of monitoring and evaluating the performance of the fishery-specific management system against its objectives There is effective and timely review of the fishery-specific management system		
<b>Scoring Issue</b>		<b>SG 60</b>	<b>SG 80</b>	<b>SG 100</b>
<b>a</b>	<b>Evaluation coverage</b>			
	<b>Guide post</b>	There are mechanisms in place to evaluate some parts of the fishery-specific management system.	There are mechanisms in place to evaluate key parts of the fishery-specific management system.	There are mechanisms in place to evaluate all parts of the fishery-specific management system.
	<b>Met?</b>	Yes / No	Yes / No	Yes / No
<b>Rationale</b> 以外部稽核進行評估特定漁業（新港鬼頭刀）管理系統關鍵部分。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

<b>b</b>	<b>Internal and/or external review</b>			
	<b>Guide post</b>	The fishery-specific management system is subject to occasional internal review.	The fishery-specific management system is subject to regular internal and occasional external review.	The fishery-specific management system is subject to regular internal and external review.
	<b>Met?</b>	Yes / No	Yes / No	Yes / No
<b>Rationale</b> 2021年12月完成委託外部單位進行外部稽核。				

The CAB should insert sufficient rationale to support the conclusion for each Scoring Guidepost (SG) (leave blank if not applicable – e.g. rationale is provided for the Performance Indicator below).

### References

The CAB should list any references here, including hyperlinks to publicly-available documents.

### Overall Performance Indicator (PI) Rationale

以外部稽核進行評估特定漁業（新港鬼頭刀）管理系統關鍵部分，參考2021年12月外部稽核報告。

The CAB should insert sufficient rationale to support the conclusion for the Performance Indicator, making direct reference to each scoring issue (delete if not appropriate – e.g. rationale is provided for each Scoring Issue).

<b>Draft scoring range</b>	<60 / 60-79 / ≥80
<b>Information gap indicator</b>	More information sought / Information sufficient to score PI If more information is sought, include a description of what the information gap is and what information is sought