

Project UK Fisheries Improvements

Facilitated by MSC

Jo Pollett

Project UK Fisheries Improvements

- **Background**
- **Stage 1 progress**
- **Stage 2 progress**



Project UK Fisheries Improvements

A collaborative stakeholder partnership working towards an environmentally sustainable future for UK fisheries, facilitated by MSC.

- Builds on the outputs and methods of Project Inshore: Pre-assessment as tool to inform improvements
- Focus on commercially important species identified by the supply chain
- Supported by funding partners from the supply chain, retailers, NGOs and the fishing industry
- Driven by multi-stakeholder Steering Groups
- Aligned to the MSC definition of a credible FIP



The PUKFI FIPs

PUKFI 1

- North Sea plaice & lemon sole
 - Demersal trawl
 - Beam trawl
 - Seine
- Channel scallops
 - Dredge
- Western Channel monkfish
 - Demersal trawl
 - Beam trawl
 - Gill net
- South West crab & lobster
 - Pot

PUKFI 2

Species

- Scallops
 - Dredge
- Nephrops
 - Creel/pot
 - Trawl

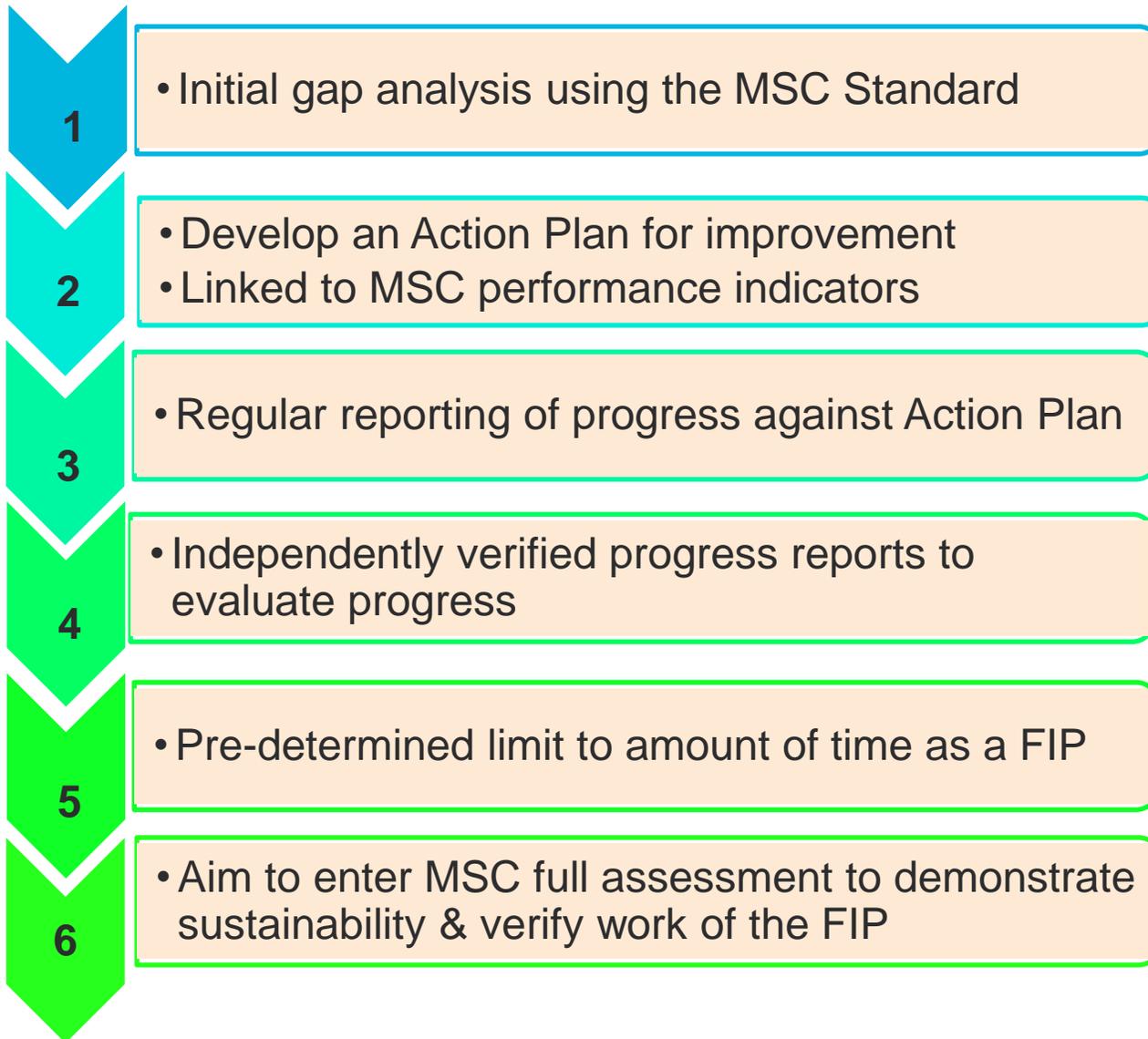


Areas

- North Sea
- West of Scotland
- Irish Sea



A roadmap towards sustainability



**MSC Pre-Assessment for
English & Western Channel Scallop fishery
(Scallop Dredge)**

Project UK Fisheries Improvements

DRAFT REPORT

December 2016

Prepared For: Project UK Fisheries Improvements.

Claire Pescod

Prepared By: Southall, T.

The MSC's environmental standard



1

The sustainability of stock

2

Environmental impact

3

Effective management



28 indicators



Principle 2 – Minimising Environmental Impact

Principle 1 – Sustainable fish stocks



1.1 Stock evaluation (target catch)

- 1.1.1: Sustainable stock levels
- 1.1.2: Or, stock is rebuilding



1.2 Harvest Management Strategy

- 1.2.1: Precautionary harvest strategy + no shark finning
- 1.2.2: Harvest control rules and tools
- 1.2.3: Reliable information and monitoring
- 1.2.4: Robust assessment of stock status



2.1 Impact on primary species (non-target catch)

- 2.1.1: Sustainable stock levels
- 2.1.2: Management strategy + reduction of unwanted mortality
- 2.1.3: Reliable information



2.2 Impact on secondary species (non-target species)

- 2.2.1: No threat to stock levels
- 2.2.2: Management strategy + reduction of unwanted mortality
- 2.2.3: Reliable information on risk



2.3 Impact on endangered, threatened or protected (ETP) species

- 2.3.1: No threat to ETP species stock levels
- 2.3.2: Management strategy to protect ETP species
- 2.3.3: Reliable information on risk



2.4 Impact on habitats

- 2.4.1: No serious or irreversible harm
- 2.4.2: Strategy to protect habitats
- 2.4.3: Information on vulnerable habitats



2.5 Impact on the ecosystem

- 2.5.1: No serious or irreversible harm
- 2.5.2: Management strategy to protect the ecosystem
- 2.5.3: Reliable information on ecosystem function and impact

Principle 3 – Fishery Management



3.1 Governance and Policy

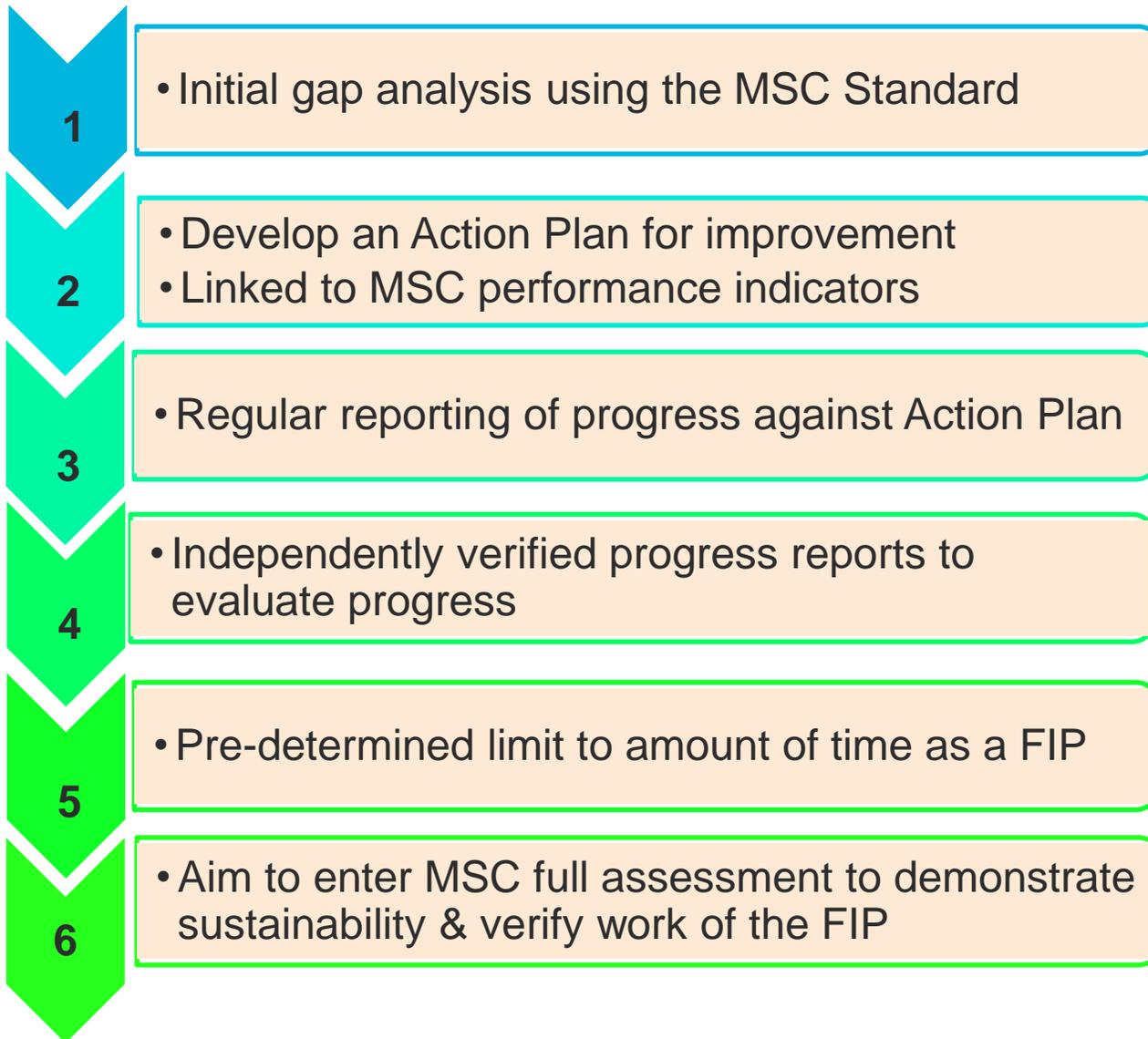
- 3.1.1: Effective legal or customary framework + recognises rights of people dependant on fishing for food or livelihood
- 3.1.2: Effective consultation process
- 3.1.3: Long term objectives



3.2 Fishery Specific Management System

- 3.2.1: Clear fishery specific objectives for achieving P1 & P2
- 3.2.2: Effective decision-making process
- 3.2.3: Compliance and enforcement systems
- 3.2.4: Management performance evaluation

A roadmap towards sustainability



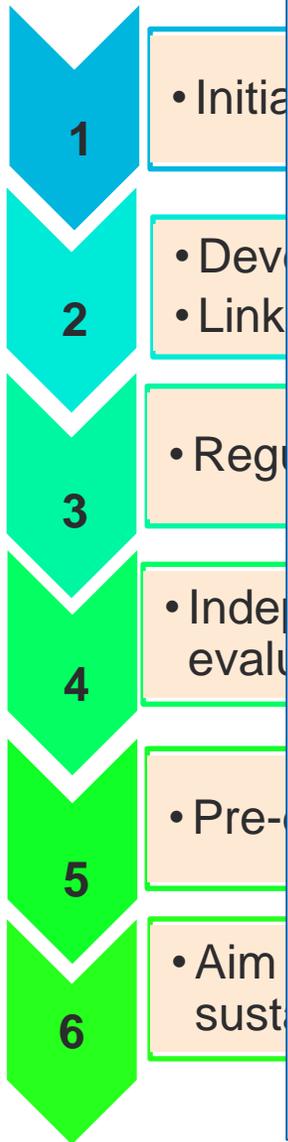
Principle	Component	PI	Performance Indicator	Scallop Dredge
1	Outcome	1.1.1	Stock status	<60
		1.1.2	Stock rebuilding	
	Management	1.2.1	Harvest Strategy	<60
		1.2.2	Harvest control rules and tools	<60
		1.2.3	Information and monitoring	60-79
1.2.4		Assessment of stock status	≥80	
2	Primary Species	2.1.1	Outcome	≥80
		2.1.2	Management	≥80
		2.1.3	Information	60-79
	Secondary species	2.2.1	Outcome	≥80
		2.2.2	Management	≥80
		2.2.3	Information	60-79
	ETP species	2.3.1	Outcome	60-79
		2.3.2	Management	60-79
		2.3.3	Information	60-79
	Habitats	2.4.1	Outcome	<60
		2.4.2	Management	60-79
		2.4.3	Information	60-79
	Ecosystem	2.5.1	Outcome	60-79
		2.5.2	Management	≥80
		2.5.3	Information	≥80
3	Governance & policy	3.1.1	Legal and customary framework	≥80
		3.1.2	Consultation, roles responsibilities	60-79
		3.1.3	Long term objectives	≥80
	Fishery specific management system	3.2.1	Fishery specific objectives	60-79
		3.2.2	Decision making processes	60-79
		3.2.3	Compliance and enforcement	≥80
		3.2.4	Mgt performance evaluation	60-79

Fisheries Improvement Action Plan

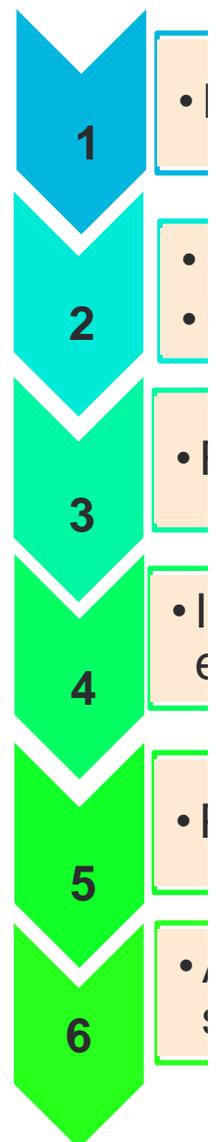


Table 1: Action Plan overview

Fishery name: English and Western Channel Scallop (<i>Pecten maximus</i>) Fishery		Start date: 01 January 2017
Fishery location: Western Channel (VIIe) and Eastern Channel (VIId)	Fishing method: Scallop dredge	End date (anticipated): 31 December 2021 (5 years)
Project leaders: Project UK Fisheries Improvements (PUKFI)		Improvements recommended by: Poseidon
<p>Overview of the Action Plan:</p> <p>The Channel scallop fisheries are of significant economic importance on both sides of areas VIId and VIIe. One of the main barriers to effective management has been the poor definition of stock management units, which has led to insufficient stock assessment and the lack of targeted harvest strategies and control rules. Under P1, this Action plan seeks to identify if this is being addressed by other work and if not, to address this through an initial identification of stock management areas, followed by the development of fisheries-stock specific harvest strategies, control rules and where appropriate, adaptive management systems.</p> <p>In P2, the Action Plan addresses the need for determining the catch (as opposed to the landings) of primary and secondary species caught in these fisheries. This will cover shellfish / finfish species, as well as out of scope organisms such as seabirds and marine mammals, as well as for ETPs. The Action Plan also looks at reducing the impact of these fisheries on habitats, especially VMEs. The plan also calls for a Scale Intensity Consequence Analysis (SICA) analysis of the impact of scallop dredging on the ecosystem.</p> <p>Under P3, following the identification and agreement of stock / fisheries management units, the plan seeks the development of a fisheries-specific management plan that includes explicit short and long-term objectives, together with an allocation of the roles and responsibilities for their precautionary and adaptive management. It also calls for external evaluation of the management of scallop fisheries, possibly through a final pre-assessment before the FIP is concluded when the fisheries might be considering entering into full MSC assessment process.</p> <p>Colour code in tables below: Principle 1 Principle 2 Principle 3</p>		



Principle	Component	Performance Indicator	Actual Year 1	Expected Year 2	Expected Year 3	Expected Year 4	Expected Year 5
1	Outcome	1.1.1 Stock status	<60	<60	60-79	≥80	≥80
		1.1.2 Stock rebuilding	---	---	---	---	≥80
	Management	1.2.1 Harvest Strategy	<60	<60	60-79	60-79	≥80
		1.2.2 Harvest control rules and tools	<60	<60	60-79	60-79	≥80
		1.2.3 Information and monitoring	60-79	60-79	≥80	≥80	≥80
		1.2.4 Assessment of stock status	≥80	≥80	≥80	≥80	≥80
2	Primary species	2.1.1 Outcome	≥80	≥80	≥80	≥80	≥80
		2.1.2 Management	≥80	≥80	≥80	≥80	≥80
		2.1.3 Information	60-79	60-79	≥80	≥80	≥80
	Secondary species	2.2.1 Outcome	≥80	≥80	≥80	≥80	≥80
		2.2.2 Management	≥80	≥80	≥80	≥80	≥80
		2.2.3 Information	60-79	60-79	≥80	≥80	≥80
	ETP species	2.3.1 Outcome	60-79	60-79	60-79	≥80	≥80
		2.3.2 Management	60-79	60-79	60-79	≥80	≥80
		2.3.3 Information	60-79	60-79	60-79	≥80	≥80
	Habitats	2.4.1 Outcome	<60	60-79	60-79	≥80	≥80
		2.4.2 Management	60-79	60-79	60-79	≥80	≥80
		2.4.3 Information	60-79	60-79	60-79	≥80	≥80
Ecosystem	2.5.1 Outcome	60-79	60-79	≥80	≥80	≥80	
	2.5.2 Management	≥80	≥80	≥80	≥80	≥80	
	2.5.3 Information	≥80	≥80	≥80	≥80	≥80	
3	Governance and Policy	3.1.1 Legal and customary framework	≥80	≥80	≥80	≥80	≥80
		3.1.2 Consultation, roles and responsibilities	60-79	60-79	≥80	≥80	≥80
		3.1.3 Long term objectives	≥80	≥80	≥80	≥80	≥80
	Fishery specific management system	3.2.1 Fishery specific objectives	60-79	60-79	60-79	≥80	≥80
		3.2.2 Decision making processes	60-79	60-79	60-79	≥80	≥80
		3.2.3 Compliance and enforcement	≥80	≥80	≥80	≥80	≥80
		3.2.4 Management performance evaluation	60-79	60-79	60-79	≥80	≥80



Funders PUKFI 1



MORRISONS

LYONS SEAFOODS



coombe fisheries



MACDUFF™
Wild about Shellfish



flatfish
THE FUTURE OF FRESH OCEAN PRODUCE



Funders PUKFI 2

Waitrose

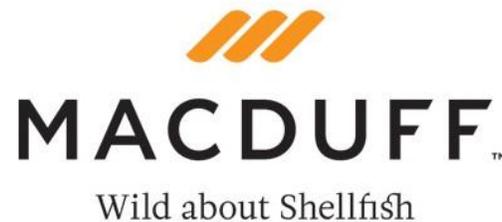


MARKS & SPENCER



Sainsbury's

TESCO



PUKFI 1 Progress

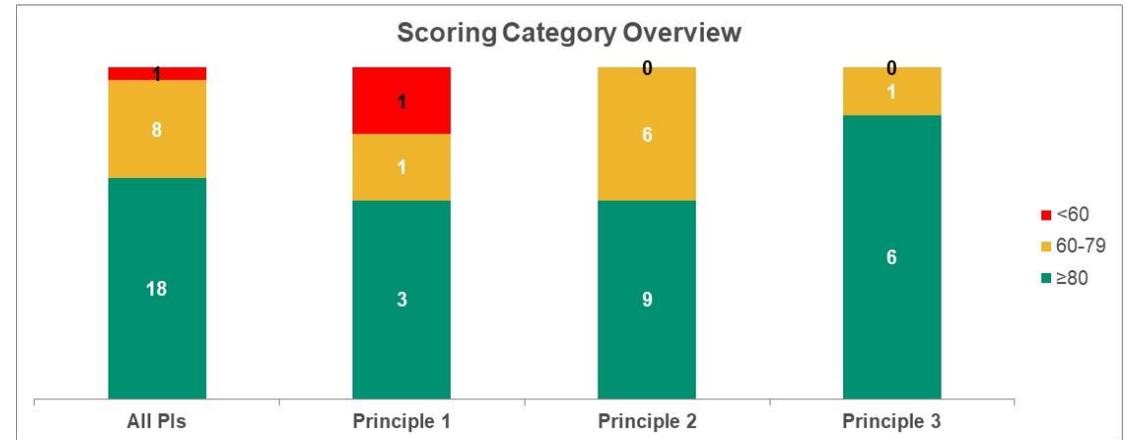
PUKFI 1 Annual Reviews- Crab and Lobster

Principle	Component	Performance Indicator	Actual Year 0	Expected Year 1	Expected Year 2	Expected Year 3	Expected Year 4	Actual Year 1	Status	Actual Year 2	Status	Actual Year 3	Status	Actual Year 4	Status
1	Outcome	1.1.1 Stock status	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		1.1.2 Stock rebuilding	---	---	---	---	---	---		---		---		---	
	Management	1.2.1 Harvest Strategy (Action 1)	<60	60-79	60-79	≥80	≥80	<60	Behind	60-79	On Target	---		---	
		1.2.2 Harvest control rules and tools (Action 2)	<60	<60	<60	60-79	≥80	<60	On Target	<60	On Target	---		---	
		1.2.3 Information and monitoring	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
1.2.4 Assessment of stock status		≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---		
2	Primary species	2.1.1 Outcome	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		2.1.2 Management (Action 3)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---		---	
		2.1.3 Information	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
	Secondary species	2.2.1 Outcome	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		2.2.2 Management (Action 3)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---		---	
		2.2.3 Information (Action 4)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---		---	
	ETP species	2.3.1 Outcome (Action 5)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---		---	
		2.3.2 Management (Action 5)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---		---	
		2.3.3 Information (Action 5)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---		---	
	Habitats	2.4.1 Outcome	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		2.4.2 Management	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		2.4.3 Information	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
	Ecosystem	2.5.1 Outcome	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		2.5.2 Management	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		2.5.3 Information	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
3	Governance and Policy	3.1.1 Legal and customary framework	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		3.1.2 Consultation, roles and responsibilities	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		3.1.3 Long term objectives	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
	Fishery specific management system	3.2.1 Fishery specific objectives (Action 6)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---		---	
		3.2.2 Decision making processes	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		3.2.3 Compliance and enforcement	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		3.2.4 Management performance evaluation	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
Total number of PIs equal to or greater than 80			18	18	18	26	27	18		18					
Total number of PIs 60-79			7	8	8	1	0	7		8					
Total number of PIs less than 60			2	1	1	0	0	2		1					
Overall BMT Index			0.80	0.81	0.81	0.98	1.00	0.80		0.81					

PUKFI 1 Annual Reviews- Crab and Lobster

Year 3 Priorities

1. Management WG to develop a draft Harvest Strategy in 2019 for finalisation by the end of Y3 when it will be put out for further consultation
2. Management WG to review alternative measures to reduced target species bycatch and embed them in the FMP by the end of Y3.
3. Following the MSc report, formal review of primary and secondary bycatch management and information by the end of Y3.
4. Review to assess whether any one bait species exceed 5% by volume of total catch.



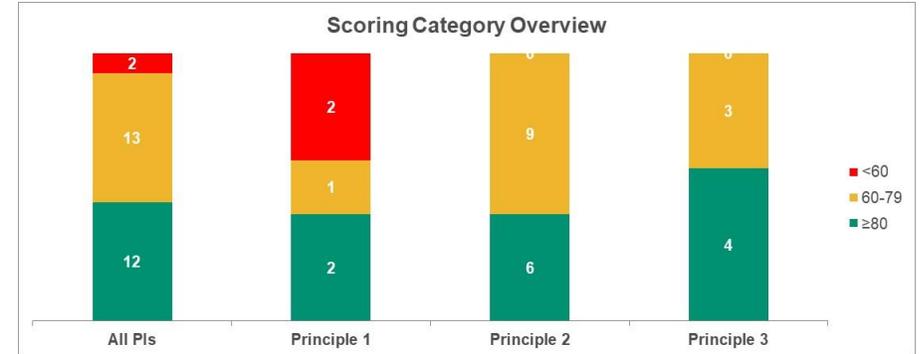
PUKFI 1 Annual Reviews- Channel Scallops

Principle	Component	Performance Indicator	Actual Year 0	Expected Year 1	Expected Year 2	Expected Year 3	Expected Year 4	Actual Year 1	Status	Actual Year 2	Status	Actual Year 3	Status	Actual Year 4
1	Outcome	1.1.1 Stock status (Action 1)	<60	<60	60-79	60-79	≥80	<60	On Target	≥80	Ahead	---	---	---
		1.1.2 Stock rebuilding	---	---	---	---	≥80	---	---	---	---	---	---	---
	Management	1.2.1 Harvest Strategy (Action 2)	<60	<60	60-79	60-79	≥80	<60	On Target	<60	Behind	---	---	---
		1.2.2 Harvest control rules and tools (Action 3)	<60	<60	60-79	60-79	≥80	<60	On Target	<60	Behind	---	---	---
		1.2.3 Information and monitoring (Action 4)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---	---	---
1.2.4 Assessment of stock status		≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---	---	---	
2	Primary species	2.1.1 Outcome	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---	---	---
		2.1.2 Management	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---	---	---
		2.1.3 Information (Action 5)	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---	---	---
	Secondary species	2.2.1 Outcome	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---	---	---
		2.2.2 Management	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---	---	---
		2.2.3 Information (Action 5)	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---	---	---
	ETP species	2.3.1 Outcome (Action 6)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---	---	---
		2.3.2 Management (Action 6)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---	---	---
		2.3.3 Information (Action 6)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---	---	---
	Habitats	2.4.1 Outcome (Action 7)	<60	60-79	60-79	60-79	≥80	<60	Behind	60-79	On Target	---	---	---
		2.4.2 Management (Action 7)	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---	---	---
		2.4.3 Information (Action 7)	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---	---	---
	Ecosystem	2.5.1 Outcome (Action 8)	60-79	60-79	≥80	≥80	≥80	60-79	On Target	60-79	Behind	---	---	---
		2.5.2 Management	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---	---	---
		2.5.3 Information	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---	---	---
3	Governance and Policy	3.1.1 Legal and customary framework	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---	---	---
		3.1.2 Consultation, roles and responsibilities (Action 9)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---	---	---
		3.1.3 Long term objectives	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---	---	---
	Fishery specific management system	3.2.1 Fishery specific objectives (Action 10)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---	---	---
		3.2.2 Decision making processes (Action 10)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---	---	---
		3.2.3 Compliance and enforcement	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---	---	---
		3.2.4 Management performance evaluation (Action 11)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	≥80	Ahead	---	---	---
Total number of PIs equal to or greater than 80			10	10	11	19	28	10		12				
Total number of PIs 60-79			13	14	16	8	0	13		13				
Total number of PIs less than 60			4	3	0	0	0	4		2				
Overall BMT Index			0.61	0.63	0.70	0.85	1.00	0.61		0.69				

PUKFI 1 Annual Reviews- Channel Scallops

Year 3 Priorities

1. Develop a draft Harvest Strategy by end 2019 for finalisation by the end of Y3 when it will be put out for further consultation. HCRs will need to be developed over Year 3 for consultation in Year 4.
2. Larval distribution oceanographic modelling to be conducted by the end of Year 3.
3. Additional observer work for primary & secondary bycatch put in place by end of 2019.
4. FMP to be drafted, including preliminary drafts of ETP and management strategies. It should also include P3 elements such as objectives at wider governance and fisheries-specific levels.



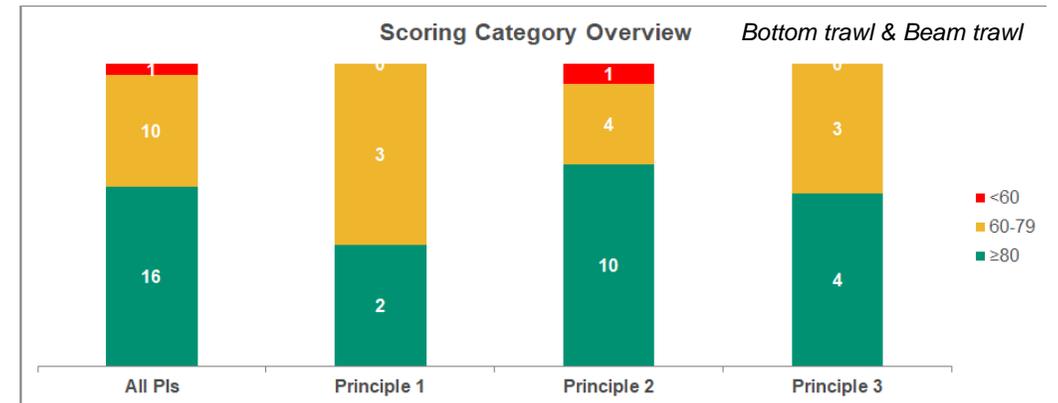
PUKFI 1 Annual Reviews- SW Monkfish

Principle	Component	Performance Indicator	Actual Year 0	Expected Year 1	Expected Year 2	Expected Year 3	Expected Year 4	Actual Year 1	Status	Actual Year 2	Status	Actual Year 3	Status	Actual Year 4	Status	
1	Outcome	1.1.1 Stock status (Action 1)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---		---		
		1.1.2 Stock rebuilding	---	---	---	---	---	---		---		---		---		
	Management	1.2.1 Harvest Strategy (Action 2)	60-79	60-79	≥80	≥80	≥80	60-79	On Target	≥80	On Target	---		---		
		1.2.2 Harvest control rules & tools (Action 3)	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---		
		1.2.3 Information and monitoring	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---		
		1.2.4 Assessment of stock status	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---		---		
2	Primary species	2.1.1 Outcome	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---		
		2.1.2 Management	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---		
		2.1.3 Information	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---		
	Secondary species	2.2.1 Outcome (Action 4)	<60	60-79	≥80	≥80	≥80	<60	Behind	≥80	On Target	---		---		
		2.2.2 Management (Action 5)	<60	<60	<60	60-79	≥80	<60	On Target	<60	On Target	---		---		
		2.2.3 Information (Action 6)	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---		
	ETP species	2.3.1 Outcome (Action 7)	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---		
		2.3.2 Management (Action 7)	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---		
		2.3.3 Information (Action 7)	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---		
	Habitats	2.4.1 Outcome (Action 8)	<60	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---		
		2.4.2 Management (Action 8)	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---		
			2.4.3 Information (Action 8)	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---	
	Ecosystem	2.5.1 Outcome (Action 9)	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---		---		
2.5.2 Management		≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---			
2.5.3 Information		≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---			
3	Governance and Policy	3.1.1 Legal and customary framework	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---		
		3.1.2 Consultation, roles and responsibilities	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---		
		3.1.3 Long term objectives	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---		
	Fishery specific management system	3.2.1 Fishery specific objectives (Action 10)	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---		
		3.2.2 Decision making processes (Action 10)	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---		
		3.2.3 Compliance and enforcement	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---		
		3.2.4 Management performance evaluation	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---		

PUKFI 1 Annual Reviews- SW Monkfish

Year 3 Priorities

1. CEFAS to resolve the needs of the stock assessment and harvest control rules, especially for *L. budegassa* in Action 1 and 3 respectively.
2. Finalisation of management actions, if any, to reduce juvenile monkfish, skates and rays (esp. ETP species) via Actions 2, 5 and 7.
3. Review of spatial measures to reduce impacts on vulnerable habitats and species, especially in gravel areas (Action 8)
4. Development of a formal Fisheries Management Plan for this fishery.



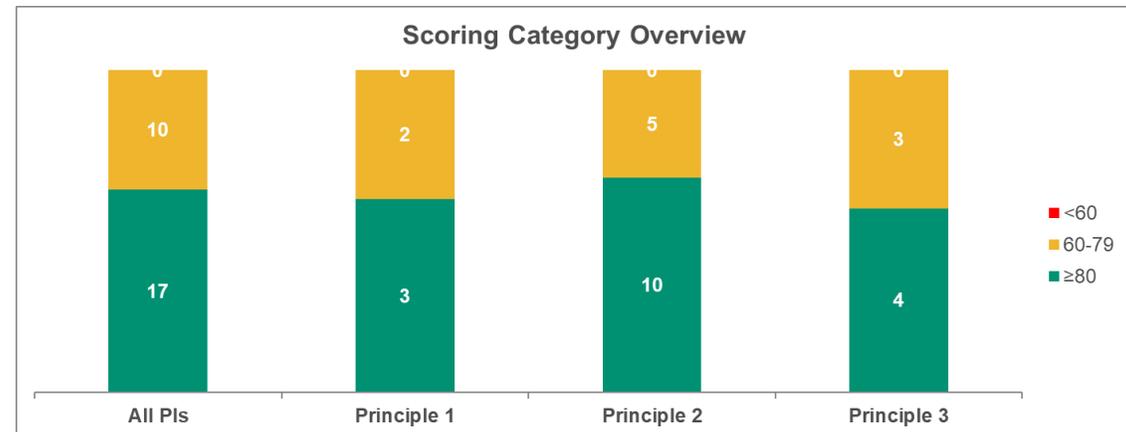
PUKFI 1 Annual Reviews- NS Plaice and Lemon Sole

Principle	Component	Performance Indicator	Actual Year 0	Expected Year 1	Expected Year 2	Expected Year 3	Expected Year 4	Actual Year 1	Status	Actual Year 2	Status	Actual Year 3	Status	Actual Year 4	Status
1	Outcome	1.1.1 Stock status	<60	<60	<60	60-79	≥80	≥80	Ahead	≥80	Ahead	---		---	
		1.1.2 Stock rebuilding	---	---	---	---	---	---		---		---		---	
	Management	1.2.1 Harvest Strategy	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---	
		1.2.2 Harvest control rules and tools	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---	
		1.2.3 Information and monitoring	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
1.2.4 Assessment of stock status		60-79	60-79	60-79	≥80	≥80	≥80	Ahead	≥80	Ahead	---		---		
2	Primary species	2.1.1 Outcome	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		2.1.2 Management	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		2.1.3 Information	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
	Secondary species	2.2.1 Outcome	<60	≥80	≥80	≥80	≥80	60-79	Behind	≥80	On Target	---		---	
		2.2.2 Management	<60	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		2.2.3 Information	60-79	≥80	≥80	≥80	≥80	60-79	Behind	≥80	On Target	---		---	
	ETP species	2.3.1 Outcome	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---		---	
		2.3.2 Management	60-79	60-79	60-79	≥80	≥80	60-79	On Target	60-79	On Target	---		---	
		2.3.3 Information	60-79	60-79	≥80	≥80	≥80	60-79	On Target	≥80	On Target	---		---	
	Habitats	2.4.1 Outcome	60-79	60-79	≥80	≥80	≥80	60-79	On Target	60-79	Behind	---		---	
		2.4.2 Management	60-79	60-79	≥80	≥80	≥80	60-79	On Target	60-79	Behind	---		---	
		2.4.3 Information	60-79	60-79	≥80	≥80	≥80	60-79	On Target	60-79	Behind	---		---	
	Ecosystem	2.5.1 Outcome	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		2.5.2 Management	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		2.5.3 Information	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
3	Governance and Policy	3.1.1 Legal and customary framework	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		3.1.2 Consultation, roles and responsibilities	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		3.1.3 Long term objectives	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
	Fishery specific management system	3.2.1 Fishery specific objectives	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---	
		3.2.2 Decision making processes	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---	
		3.2.3 Compliance and enforcement	≥80	≥80	≥80	≥80	≥80	≥80	On Target	≥80	On Target	---		---	
		3.2.4 Management performance evaluation	60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---	
			60-79	60-79	60-79	60-79	≥80	60-79	On Target	60-79	On Target	---		---	

PUKFI 1 Annual Reviews- NS Plaice and Lemon Sole

Year 3 Priorities

- 1) Habitat Management Plan development through FIS funding
- 2) Alignment with other FIPs to address secondary species in this fishery
- 3) Draft overarching fishery management plan



PUKFI 2 Progress

PUKFI 2- Nephrops and Scallop

- Summer 2019
- Set up of Environmental Sub Group
- 1 PhD hired for habitat impacts research, 2 more in process for studies into catch composition, and genetics/population dynamics
- 3 MSc projects on ETP interactions and fishery footprints
- Consultancy report commissioned on Functional Unit Management
- Harmonization with PUKFI 1 activity (Scallops, Plaice and Lemon Sole)



PUKFI Branding and Governance

- Now PUKFI is growing and there is increasing interest, with mention of Round 3
- New team: Katie Keay, and Matt Spencer
- Looking at the governance structure for decision making
- Updating the ToR
- Considering a branding exercise, including name and logo
- Consultation with all steering group members currently under way



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