

Draft Fishery Improvement Plan Auckland Island Arrow Squid Trawl Fishery (SQU6T)

Version 2: July 2016

Version 1: May 2015

For all enquiries please contact

Victoria Jollands
Certification Manager
Deepwater Group

E victoria@deepwatergroup.org P +64 21 379 054



Overview

Deepwater Group (DWG) and the Ministry for Primary Industries (MPI) are committed to the ongoing sustainable management of New Zealand's deepwater fisheries. To this end we have jointly embarked on a Fisheries Certification Programme (FCP) with the objective of achieving independent certification of New Zealand's key deepwater fisheries (Figure 1). Our FCP is a four-staged work programme and a summary of this process to date can be seen on our website. As part of this programme, two key squid fisheries are in formal Fishery Improvement Plans (FIP). These are: New Zealand's Auckland Island Squid Trawl Fishery (SQU6T) and New Zealand EEZ Squid Trawl Fishery (SQU1T).

This FIP for SQU6T was provided to MSC Stakeholders for their consideration in June and July 2015. DWG have developed this FIP using tools and templates provided by MSC to establish a public, transparent, inclusive and stepwise approach towards MSC certification.

The objective of this FIP is to ensure the performance of this fishery meets the MSC Fisheries Standard and subsequently achieves MSC certification. This FIP provides external observers the ability to monitory fisheries improvement, to track progress, and to assess fisheries performance against the MSC Fisheries Standard.

The following sections provide further detail on SQU6T FIP including a Gap Analysis and Remedial Action Plan.

SQU6T is currently progressing through Stage 2 Phase 2 FIP (see Figure 1 and Table 1). This involves remedial management actions and monitoring progress according to a public, time-bound FIP. This FIP will be updated and made available on our website along with all supporting documentation.

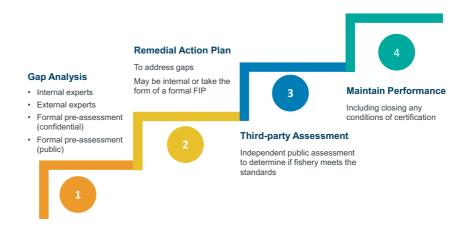


Figure 1 Deepwater Group's Fisheries Certification Programme Stages



Table 1 Timelines and milestones for the Fisheries Certification Programme for SQU6T

Fisheries Certification Stage	Deliverables and Outcomes	Action Lead	Timeline	Progress
Gap Analysis	Phase 1 – Fishery Evaluations: Completed on the 'Fishsource' template. Provided the Sustainable Fisheries Partnership (SFP) with current information, for evaluation and for SFP to post to their FishSource™ website. Published relevant documents on the DWG website.	DWG & MPI	Jul-Aug 2012	Completed
	Phase 2 – Fishery Gap Analysis: Assessed SQU6T against MSC Fisheries Standard to identify potential non-conformities and information gaps.	DWG & MPI	Aug 2012	Completed
	Phase 3 – MSC Confidential Pre-assessments: In September 2008 contracted Conformity Assessment Body (CAB) undertook a high level confidential pre-assessment of SQU6T against the MSC Fisheries Standard. Updated 2009 pre-assessment findings July 2012. The performance of this fishery was reviewed against the MSC Fisheries Standard by DWG and MPI in October 2014 and in April 2015.	CAB & DWG	Sept 2008 July 2012 Oct 2014 April 2015	Completed
Remedial Action Plan	Phase 1 – Fishery Improvement Analysis: Identified the reasons why the CAB pre-assessment identified certain Performance Indicators as unlikely to meet the MSC Fisheries Standard. Identified remedial management actions. Held consultation meeting with MSC Stakeholders.	DWG & MPI	Oct 2014 – April 2015	Completed
	Phase 2 – Fishery Improvement Plan: Implemented remedial management actions within an agreed and time-bound plan using the MSC Monitoring and Benchmarking FIP Template. Once finalised, posted with SFP for public viewing.	DWG & MPI	Oct 2015	Remedial Actions In process
Third Party Assessment	Phase 1 – MSC Assessment: Formal assessment of the SQU6T fishery against the MSC Fisheries standard.	CAB, DWG &	Aug 2018	
3	Phase 2 – MSC Certification: Achieved certification of the SQU6T fishery against the MSC Fisheries Standard.	DWG & MPI	Dec 2019	



Gap Analysis



The first three phases have been completed:

- Phase 1 Fishery Evaluations
- Phase 2 Fishery Gap Analys
- Phase 3 MSC Confidential Pre-assessments:

This version of the FIP addresses the outcomes of the pre-assessments and the reviews of these in 2014 and 2015.

Phase 3: MSC Confidential Pre-assessment

In October 2008, Moody Marine Ltd (now Intertek Fisheries Certification) undertook a high level confidential pre-assessment of the SQU6T squid trawl fishery against the MSC Fisheries Standard.

Subsequent reviews of this pre-assessment were undertaken (October 2014 and April 2015) and the fishery was rated for each Performance Indicator (PI) and a detailed rationale was provided. The pre-assessment and reviews identified areas of non-conformity to provide an indication of the work required for the fishery to meet the MSC SG80 and SG60 Certification Requirements.

The compiled outcomes from Intertek Fisheries Certification Ltd's confidential pre-assessment and subsequent October 2014 and April 2015 reviews are summarised in Table 2. This is a snapshot of the fishery and results for each PI are categorised as:

- Red = likely to score below 60
- Orange = likely to score between 60 & 80
- Green = likely to score above 80.
- Green = likely to score above 80.



Table 2 SQU6T 2013 pre-assessment results

MSC Component	MSC Performance Indicator		м	SC Performance In	dicator		Outcome			
	1.1.1	Stock Status	: Stock at a level whi	ch maintains high pr	oductivity					
Outcome	1.1.2	Reference Po	oints: Appropriate lim	nits and reference po	ints for the stock					
	1.1.3	Stock Rebuil	ding: Where stock d	epleted - there is evi	dence of rebuilding					
	1.2.1	Harvest Strat	egy: Precautionary	and robust harvest st	rategy in place					
	1.2.2	Harvest Cont	rol Rules & Tools:	Well defined harvest	control rules in place					
Management	1.2.3	Information 8	Monitoring: Releva	ant Information colle	cted to support harvest strat	egy				
	1.2.4	Assessment	of Stock Status: As	sessment of stock st	atus is adequate					
	P1 ALL	Sustainability	y of Exploited Stock							
	2.1.1	Retained Spe	ecies Outcome: Doe	s not cause serious	or irreversible harm to retain	ned species				
Retained Species	2.1.2	Retained Spe	cies Management:	Strategy in place for	managing retained species					
Ороско	2.1.3	Retained Spe	ecies Information: R	televant information	o help manage retained spe	ecies				
	2.2.1	Bycatch Spe	cies Outcome: Does	s not cause serious o	r irreversible harm to bycate	ch species				
Bycatch species	2.2.2	Bycatch Spe	cies Management: S	Strategy in place for	managing bycatch species					
	2.2.3	Bycatch Spe	cies Information: Re	elevant information to	help manage bycatch spec	cies				
	2.3.1	ETP Species	Outcome: Meets na	tional and internation	nal requirements for ETPs p	rotection				
ETP species	2.3.2	ETP Species	ETP Species Management: Precautionary management strategies in place							
	2.3.3	ETP Species	Information: Releva	ant information to sup	pport management of impac	ts on ETPs				
	2.4.1	Habitats Outcome: Does not cause serious or irreversible harm to habitat structure								
Habitats	2.4.2	Habitats Management: Information is adequate to determine risk to habitat types								
	2.4.3	Habitats Info	rmation: Information	adequate to determ	ine risk to habitats					
	2.5.1	Ecosystem C	Outcome: Does not c	ause serious or irrev	ersible harm to ecosystem					
Ecosystem	2.5.2	Ecosystem N	lanagement: Measu	res are in place to m	itigate risk to ecosystem					
	2.5.3	Ecosystem Ir	nformation: Adequa	te knowledge of impa	acts of fishery on the ecosys	tem				
	P2 ALL	Maintenance	of Ecosystem							
	3.1.1	Legal/Custon	nary Framework: M	anagement system e	xists with legal/customary f	ramework				
Governance and	3.1.2	Consultation	Consultation, Roles & Responsibilities: Management system has clear processes							
Policy	3.1.3	Long Term O	Long Term Objectives: Management policy contains clear long-term objectives							
	3.1.4	Incentives for Sustainable Fishing: Management system has sustainability incentives								
	3.2.1	Fishery Spec	Fishery Specific Objectives: Fishery has clear and specific outcome objectives							
Ciobon / on o cifio	3.2.2	Decision Making Processes: Management system includes effective decision making								
Fishery specific management	3.2.3	Compliance	& Enforcement: Mor	nitoring, control and	surveillance mechanisms in	place				
system	3.2.4	Research Pla	n: Research plan tha	at addresses manag	ement needs are in place					
	3.2.5	Management	Performance Evalu	ation: Performance	Evaluation processes in pla	ice				
	P3 ALL	Effective Management System								
			60-80 (Condition)	<60 (Fail)	Indicative Aggregate	Pass	Fail			



Remedial Action Plan



There are two phases to the Remedial Action Plan:

- Phase 1 Fishery Improvement Analysis
- Phase 2 Fishery Improvement Plan.

Phase 1 Fishery Improvement Analysis

The performance of SQU6T has been considered against the MSC Fisheries Standard to identify non-conformities and information gaps against the MSC Performance Indicators (SG60 and SG80) (Appendix 1).

Phase 2 Fishery Improvement Plan

This involves implementing the remedial management actions and monitoring progress according to a public, time-bound FIP.

Table 3 gives management actions to remedy identified gaps in Phase 1 of the Remedial Action Plan.

Table 4 presents timelines for each of the remedial management actions.

2016 Progress Update

Refer to Table 5 for an update on progress made to July 2016 towards completing remedial management actions.



Table 3 Remedial management actions and links to MSC Performance Indicators

					Li	nks to	MSC P	erform	ance Ir	dicato	'S		
											2	-	93
		ACTION LEAD &	P1 Target stocks						Ecos		Management System		
ACT	IONS	PARTNERS	111	112				123	124	Components 2.2.3 2.3.1			
	tock assessment	171111111111111111111111111111111111111						11210		2.2.0	2.011	0.2	U.Z.Z
1.1	Develop and update stock assessment methodology.	DWG & MPI											
1.2	Acceptance of stock assessment methods by MPI.	DWG & MPI											
1.3	Develop and test near-real time collections.	DWG & MPI											
1.4	Undertake annual in-season stock assessments.	DWG & MPI											
1.5	Conduct and review MSE, HS, and HCR.	DWG & MPI											
1.6	Implement HS and HCR.	DWG & MPI											
1.7	Undertake near-real time stock assessments.	DWG & MPI											
1.8	Review data provision, assessment and management processes.	DWG & MPI											
2. H	abitats and ecosystems												
2.1	Analyse fish bycatch to identify minor and major species.	DWG & MPI											
2.2	Review and respond to stock status of main bycatch species.	DWG & MPI											
2.3	Review and report on impacts of the fishery on ETP species.	DWG & MPI											
3. N	anagement System												
3.1	Update fisheries management planning documentation.	DWG & MPI											
3.2	Develop and implement decision making processes.	DWG & MPI											

Notes: DWG (Deepwater Grup Ltd.) MPI (Ministry for Primary Industries for New Zealand)



Table 4 Timelines for each of the remedial management actions as revised July 2016

		Progress (see key below)									
		20	2015 2016			2017 2018			18	2019	
		H1	H2	H1	H2	H1	H2	H1	H2	H1	Н
MSC	Principle 1: Stock Status										
1.1	Develop and update stock assessment methodology.										
1.2	Acceptance of stock assessment methods by MPI.										
1.3	Develop and test near-real time collections.										
1.4	Undertake annual in-season stock assessments.										
1.5	Conduct and review MSE, HS, and HCR.										
1.6	Implement HS and HCR.										
1.7	Undertake near-real time stock assessments.										
1.8	Review data provision, assessment and management processes.										
MSC	Principle 2: Ecosystem Management										
2.1	Analyse fish bycatch to identify minor and major species.										
2.2	Review and respond to stock status of main bycatch species.										
2.3	Review and report on impacts of the fishery on ETP species.										
MSC	Principle 3: Management System										
3.1	Update fisheries management planning documentation.										
3.2	Develop and implement decision making processes.										

Planned completion date

Completed

In-progress



Table 5 2016 update on remedial management actions

MSC	Principle 1: Stock Status	Progress Update 2016
1.1	Develop and update stock assessment methodology.	Stage 1 has been completed. A stock assessment has be trialled and results are published: McGregor & Large (2016) (http://www.mpi.govt.nz/document-vault/12822) and McGregor & Tingley (2016) (http://www.mpi.govt.nz/document-vault/12174) Stage 2 has commenced using different techniques and is scheduled to be completed in late 2017.
1.2	Acceptance of stock assessment methods by MPI.	The stock assessment method was accepted in early 2015 but the stock assessment was not successful. New methods are being trialed and are scheduled to be completed in late 2017.
1.3	Develop and test near-real time collections.	
1.4	Undertake annual in-season stock assessments.	
1.5	Conduct and review MSE, HS, and HCR.	Harvest strategies and control rules will be undertaken once there is an acceptable working stock assessment. Timelines have been
1.6	Implement HS and HCR.	changed to align with Stage 2 of the stock assessment development.
1.7	Undertake near-real time stock assessments.	
1.8	Review data provision, assessment and management processes.	
MSC	Principle 2: Ecosystem Management	Progress Update 2016
2.1	Analyse fish bycatch to identify minor and major species.	Fish and invertebrate bycatch and discards are reviewed every five years by MPI. The last review was completed in 2013 see Anderson (2013) (http://www.mpi.govt.nz/document-vault/4295) The update of this is expected mid-2017.
2.2	Review and respond to stock status of main bycatch species.	Astisan are sale shilled assessment and Astisan 2.4 is assessed
2.3	Review and report on impacts of the fishery on ETP species.	Actions are scheduled commence once Action 2.1 is completed.
MSC	Principle 3: Management System	Progress Update 2016
3.1	Update fisheries management planning documentation.	
3.2	Develop and implement decision making processes.	Actions are scheduled commence once a stock assessment is completed - scheduled to be completed early 2018.



Third-party Assessment



MSC Assessment

Stage 3 of the SQU6T FCP requires the submission of this fishery for full MSC Assessment by an accredited MSC Conformity Assessment Body against the MSC Fisheries Standard. It is anticipated that the SQU6T fishery will be ready for full MSC assessment in mid-2018.

MSC Certification

Certification of the SQU6T squid trawl fishery against the MSC Standard is achieved, the report is published and appropriate certificate(s) granted. Any Conditions of Certification laid out in the certification report will be addressed by managers within the agreed timeframes. It is anticipated that the SQU6T fishery will complete the full MSC assessment process by December 2019.



Appendix 1

New Zealand's Auckland Island (SQU 6T) Squid Trawl Fishery Improvement Analysis (Actions are referenced to Tables 3 and 4)

PI 1.1.1 – The stoc	PI 1.1.1 – The stock is at a level which maintains high productivity and has a low probability of recruitment overfishing						
MSC SG80 Certification Requirements	a) It is highly likely that the stock is above the point where recruitment would be impaired.b) The stock is at or fluctuating around its target reference point.						
Gap Analysis Findings	 The Gap Analysis found that: There is currently no assessment for the SQU6T stock. There are currently no stock specific limit or target reference points defined for the SQU6T stock. Therefore, it is currently not possible to demonstrate that it is <u>highly likely</u> that the stock is above the point where recruitment would be impaired (i.e. above the limit reference point) or that the stock is at or fluctuating around its target reference point. 						
 Develop and implement an assessment approach that will inform on the status of the SQU6T stock relative to appropriate limit and target reference points. Demonstrate, using an appropriate and accepted stock assessment methodology, that the stock status is either at or above an appropriate target reference points or it is highly likely that the stock is above the point where recruitment would be impaired. 							



PI 1.1.2 – Limit and target reference points are appropriate for the stock							
MSC SG80 Certification Requirements	 a) Reference points are appropriate for the stock and can be estimated b) The limit reference point is set above the level at which there is an appreciable risk of impairing reproductive capacity c) The target reference point is such that the stock is maintained at a level consistent with B_{MSY} or some measure or surrogate with similar intent or outcome d) For key low trophic level species, the target reference point takes into account the ecological role of the stock. 						
Gap Analysis Findings	 d) For key low trophic level species, the target reference point takes into account the ecological role of the stock. The Gap Analysis found that: There are currently no defined target reference point There is currently no limit reference point that is set above the level at which there is an appreciable risk of impairing reproductive capacity It is currently not possible to ascertain the appropriateness of any specific SQU6T target or limit reference points without the implementation of an assessment of annual stock status Generic reference points exist in relation to a small number of other squid fisheries This stock is not considered low trophic species. 						
Responses	 Use the stock assessment methodology developed to address PIs 1.1.1 and 1.2.4, to inform on appropriate reference points for the SQU6T stock Formalise a rationale to define appropriate reference points for the SQU6T stock in relation to the SG 80 requirements of PI 1.1.2. 						



PI 1.1.3 – Where the stock is depleted, there is evidence of stock rebuilding within a specified timeframe							
MSC SG80 Certification Requirements	a) A rebuilding timeframe is specified for the depleted 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.b) There is evidence that the rebuilding strategies are rebuilding stocks, or it is highly likely based on simulation modelling or previous performance that they will be able to rebuild the stock within the specified timeframe.						
Gap Analysis Findings	 The Gap Analysis found that: There is currently no evidence that this stock has ever been depleted. As this is essentially an annual stock, should rebuilding be necessary at any point, effective reburequire rapid implementation of a rebuilding plan. There is no formal harvest strategy which provides for rebuild consistent with the biology of this Any defined rebuilding timeframe should be consistent with the essentially annual population dy stock. Recruitment in invertebrate stocks is usually substantially driven by environmental factors. 	species.					
Responses	 Develop and formalise a rebuilding plan for the SQU6T stock which would be applicable should the stock become depleted. Define the target and time-frame for rebuilding appropriate to the biology and population dynamics of the species. Use the stock assessment methodology developed to address Pls 1.1.1 and 1.2.4, to run simulations to support the development and testing of the rebuilding plan. 	Action 1.5					



PI 1.2.1 – There is a	robust and precautionary harvest strategy in place					
MSC SG80 Certification Requirements	a) The harvest strategy is responsive to the state of the stock and the elements of the harvest strategy work together towards achieving management objectives reflected in the target and limit reference points.b) The harvest strategy may not have been fully tested but monitoring is in place and evidence exists that it is achieving its objectives.					
Gap Analysis Findings	The Gap Analysis found that: There is no formal harvest strategy which is "responsive to the state of the stock" and demonstrate harvest strategy elements successfully "work together towards achieving management objectives target and limit reference points." With no harvest strategy, no evidence of achievement of harvest strategy objectives exists.					
Responses	 Conduct a Management Strategy Evaluation to define appropriate harvest strategy and harvest control rules. Review the BOE3A harvest strategy and harvest control rules to align with Management Strategy Evaluation. Implement harvest strategy and harvest control rules through a Management Procedure. 	ctions 1.5 - 1.6				
PI 1.2.2 – There are	well defined and effective harvest control rules in place					
MSC SG80 Certification Requirements	 (a) Well defined harvest control rules are in place that are consistent with the harvest strategy and ensure that the exploitation rate is reduced as limit reference points are approached. (b) The selection of the harvest control rules takes into account the main uncertainties. (c) Available evidence indicates that the tools in use are appropriate and effective in achieving the exploitation lever required under the harvest control rules. 					
Gap Analysis Findings	The Gap Analysis found that: Neither a harvest strategy nor defined harvest control rules(HCRs) (consistent with the harvest strategy that would ensure that the exploitation rate is reduced as limit reference points are approached) are in place. There is no formal documentation of the main uncertainties that the HCRs need to address.					
Responses	Develop, formalise, test and implement "well defined" HCRs that "are consistent with the harvest strategy and ensure that these will reduce the exploitation rate as limit reference points are approached."					

PI 1.2.3 – Information and Monitoring								
(a)	Sufficient relevant information related to stock structure, stock productivity and fleet composition is available to							



MSC SG80	support the harvest strategy.					
Certification Requirements	 (b) Stock abundance and fishery removals are regularly monitored at a level of accuracy and cover the harvest control rule, and one or more indicators are available and monitored with sufficient f the harvest control rule. (c) There is good information on all other fishery removals from the stock. 	· ·				
	The Can Analysis found that					
Gap Analysis	The Gap Analysis found that: The fishery has no shortage of "sufficient relevant information related to stock structure, stock p composition"	roductivity and fleet				
Findings	• The timescales for collecting and handling of some of the fishery data collection will not supp time) stock assessments					
	With no Harvest Strategy or HCRs, the adequacy of the information to adequately support and the fishery in relation to the HCRs cannot be evaluated	monitor the stock,				
	There is good information on all other fishery removals from the stock through the quota managemonitoring, control and surveillance (MCS) systems.	ement and				
	Develop, test and implement protocols to collect and handle those fishery data necessary for near-real time, in-season stock assessments in a timely manner					
Responses	 Available information and indicators, and on-going information collection programme, should be reviewed following development of the Harvest Strategy and HCRs. This is to ensure both will be adequately monitored and supported by the information that will continue to be collected from the fishery 	Actions 1.3 & 1.8				
	Any deficits found in the type, quality or quantity of information to support the Harvest Strategy and HCRs will be addressed.					
PI 1.2.4 – Assessme	ent of Stock Status					
MSC SG80	a) The assessment is appropriate for the stock and for the harvest control rule					
Certification Requirements	b) The assessment takes uncertainty into account					
	c) The assessment of stock status is subject to peer review.					
Gap Analysis Findings	The Gap Analysis found the following:					
	There is currently no assessment for the SQU6T stock.					
Responses	Develop and implement an assessment approach that is appropriate for the stock and for the HCR and will inform on the status of the SQU6T stock relative to appropriate biological and management reference points	Actions 1.1-1.3 & 1.7-1.8				
	 Characterise the nature and relative scale of assessment uncertainties and ensure that the assessment takes the principal uncertainties into account in an appropriate way. 					

PI 2.2.3 – Information on the nature and amount of bycatch is adequate to determine the risk posed by the fishery and the effectiveness of the strategy to manage bycatch



MSC SG80 Certification Requirements	 a) Qualitative information and some quantitative information are available on the amount of main bycaraffected by the fishery. b) Information is sufficient to estimate outcome status with respect to biologically based limits. c) Information is adequate to support a partial strategy to manage main bycatch species. d) Sufficient data continue to be collected to detect any increase in risk to main bycatch species (e.g. in the outcome indicator scores or the operation of the fishery or the effectiveness of the strategy). 	due to changes
Gap Analysis Findings	 The Gap Analysis found that: For a few bycatch species, defining whether they are main or minor was problematic. Information to score stock status for some main bycatch species is lacking. There are on-going improvements in the monitoring and reporting of bycatch, driven in part by the 2014, improvements in modelling bycatch quantities and through the development of risk assessment of bycatch species. 	
Responses	 Prepare analyses of fishery data quantitatively or semi-quantitatively to enable main and minor by-catch species to be clearly distinguished based on percentage catch by weight from the fishery and for the total catch of the species or stock and on the vulnerability of the species concerned. Draw together other relevant quantitative, semi-quantitative and qualitative information (including from observer data and scientific surveys) that inform on the stock status of main by-catch species. Should evidence be found that any main by-catch stock is depleted, collate evidence that shows whether the fishery is likely to hinder the recovery and rebuilding of the stock and, where necessary, develop and implement a partial strategy that may include mitigation measures, to ensure that recovery and rebuilding is not hindered by the fishery. 	Actions 2.1 & 2.2

PI 2.3.1 – The fishery meets national and international requirements for protection of ETP species. The fishery does not pose a risk of serious or irreversible harm to ETP species and does not hinder recovery of ETP species

MSC SG80 Certification

a) The effects of the fishery are known and are highly likely to be within limits of national and international requirements for protection of ETP species



Requirements	b) Direct effects are highly unlikely to create unacceptable impacts to ETP species	
	c) Indirect effects have been considered and are thought to be unlikely to create unacceptable impacts.	
Gap Analysis Findings	The Gap Analysis found that:	
	 There appeared to be an increase in the incidental captures of seabirds over recent years Captures of basking sharks occur sporadically but have been notable recently 	
	While mortalities associated with these interactions were within both national and international requirements, it is less clear that they are highly unlikely to create unacceptable impacts to the species concerned.	
Responses	To review the available information and present the best scientific evidence with respect to the level of impacts on the likelihood of unacceptable impacts of the fishery on the affected ETP species. Action 2.3	
PI 3.2.1 – The fishery has clear, specific objectives designed to achieve the outcomes expressed by MSC's Principles 1 and 2		
MSC SG80 Certification Requirements	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's management system.	
Gap Analysis Findings	The Gap Analysis found that: While there are general fishery objectives within the Fish Plan, the detailed fishery specific objectives that match the harvest strategy and HCRs have not been documented.	
Responses	Update the fisheries management planning documentation to clearly express the short- and long-term objectives for this fishery such that they are consistent with the HS and HCRs developed to address the needs of MSC Principle 1. Action 3.1	



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 under assessment.

strategies to achieve the objectives and has an appropriate approach to actual disputes in the fishery under assessment.		
MSC SG80 Certification Requirements	There are established decision-making processes that result in measures and strategies to achieve the fishery-specific objectives.	
	b) 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.	
	c) Decision-making processes use the precautionary approach and are based on best available information.	
	d) Information on fishery 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.	
	e) The management system or fishery is attempting to comply in a timely fashion with judicial decisions arising from any legal challenges.	
Findings from Gap Analysis	The Gap Analysis found that:	
	 Appropriate decision making processes for managing in-season assessments and implementing necessary in- season management have not been agreed and formalised. 	
Proposals for Fisheries Improvement	To develop, agree, document and implement clear decision making processes that will enable successful implementation of in-season stock assessment and management for this fishery.	
	To ensure that, as appropriate, this implementation also addresses serious and important issues (b), meets precautionary decision making objectives (c), is available to those interested (d) and supports the existing approach to compliance with judicial decisions (e) above. Action 3.2	