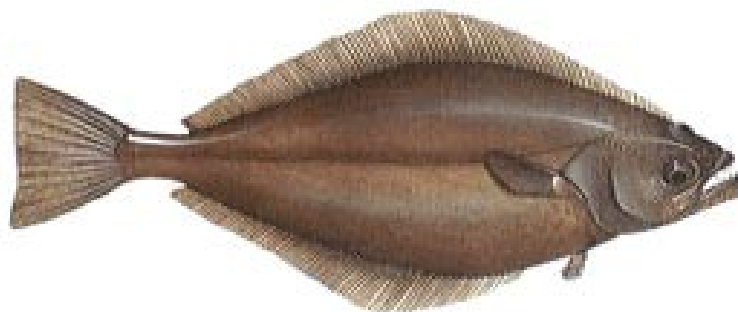


SUBMISSION TO THE NWMB
FOR
An increase to the Cumberland Sound TAH



Submitted By
Cumberland Sound Fisheries Ltd.

NOVEMBER 1, 2018

Cumberland Sound Fisheries Ltd.

Quota Increase Proposal

November 2018

Cumberland Sound Fisheries Ltd.

P.O. Box 185
Pangnirtung, NU
X0A 0R0

Mr. Daniel Shewchuk
A/Chairperson
Nunavut Wildlife Management Board
P.O. Box 1379
Iqaluit, NU
X0A 0H0

November 1, 2018

Dear Mr. Shewchuk,

Attached please find our request to increase the **Cumberland Sound Inshore Turbot Quota**.

The full inshore quota (500 MT) was harvested in the 2018 winter fishery plus 10 MT from the summer fishery (2017). Therefore we are requesting that the **Cumberland Sound Inshore Turbot** quota be increased to accommodate the developing summer fishery.

This will benefit the inshore fisherman in Cumberland Sound, specifically Pangnirtung. Indirectly this would benefit the plant workers in Pangnirtung and the inshore fisherman in Pangnirtung and Cumberland sound. As you may be aware, harvesting and processing of turbot has been growing steadily in the last few years.

To support our commitment, CSFL has purchased a 40' inshore fishing vessel, the f/v Pijiuja II with plans to purchase additional vessels to work within this developing fishery. It is anticipated that additional vessels will also be part of this developing fishery.

The FV "Pijiuja II" was commissioned by The Department of Fisheries and Oceans to conduct a scientific assessment of turbot stocks in Cumberland Sound, Nunavut this past summer. Results showed that the stock in Cumberland Sound has grown to a level where an increase is warranted that remains within sustainable quota levels which protects the overall health of the stock in the long term. Hook and line gear fished in various grids in the sound yielded good catch rates mainly in depths between 475 and 600 fathoms. The overall range of small to larger fish was positive given the size of hooks used in the long line gear. By-catch levels were minimal.

To ensure the successful development of the summer fishery and the continued development of the winter fishery, there is a need to increase the TAH in Cumberland Sound. We are proposing that the quota be increased to a least 800 MT from the current level of 500 MT.

Sincerely,

Joopa Sowdlooapik
Chairman
Cumberland Sound Fisheries Lt

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1. Request

CSFL is requesting that the Turbot TAH in Cumberland Sound be increased from the current level of 500MT to at least 800MT which will be fished during winter ice fishery and the summer fishery using hook and line on the f/v Pijiua II.

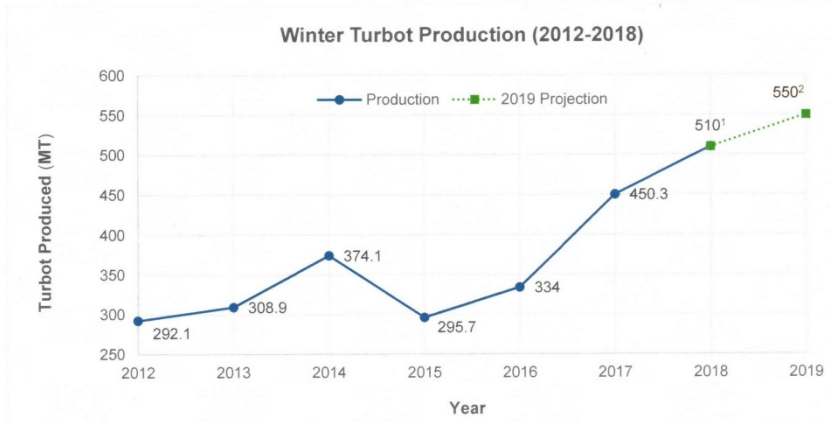
2. Resource

2.1 Winter Fishery

The winter fishery in 2018 has been the most successful to date, with landings of 510MT (from the 500MT Cumberland Sound Allocation). It is estimated (see chart below) that the winter fishery in 2019 will meet the current quota of 500MT for the inshore fishery in Cumberland Sound.

The through the ice fishery is growing as the graph below shows, and a portion of the royalties from offshore allocations are used to support the ongoing operation at PFL. Overall the through-the-ice fishery has been positive for all involved and proven to be an economic boost to the community.

Year	Amount Processed (MT)
2012	292.1
2013	308.9
2014	374.1
2015	295.7
2016	334.0
2017	450.3
2018	510.0

**Notes:**

- 1) Total inshore quota of 500 MT plus 10 MT from the summer fishery in 2018
- 2) Assuming all of the 500 MT are caught, and 50 MT caught in summer fishery

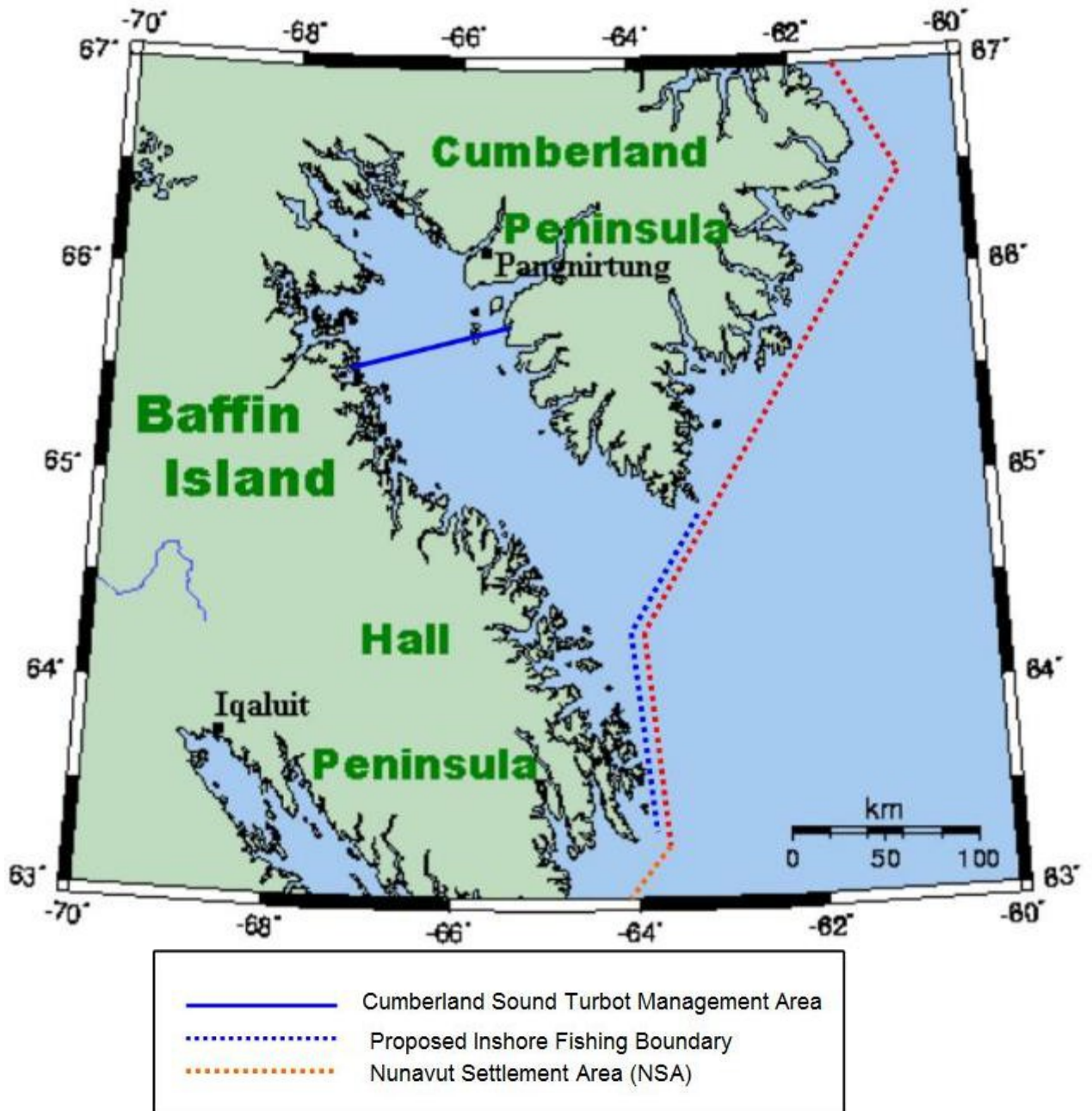
2.2 Cumberland Sound Border

The border for the Cumberland Sound Turbot Management Area (CSTMA) has been moved (see below) as requested by PHTO in May 2013, and approved by The Minister of Fisheries in 2014. The CSTMA now includes all of Cumberland Sound. This move will provide harvesters with more flexibility, and opportunities to pursue other species that may become available.

The move of the CSTMA border is very positive for Pangnirtung's developing fishery, and, the CSTMA border move is in line with NWMB's mission of "conserving wildlife through the application of Inuit Qaujimajatuqangit (IQ) and scientific knowledge", and is in line with the NWMB's vision to make Nunavut 'a world class model for the cooperative management of healthy wildlife populations'.

As previously established, harvesting within Cumberland Sound is 'hook and line' only and the use of gill nets is not permitted. The hook and line fishery, whereby the turbot is bled, gutted and bloodline removed immediately after harvest, produces an excellent quality product that can meet or exceed any market requirement. Vessel size is also limited to <85'. These harvesting restrictions contribute to Cumberland Sound being a world- class model of cooperative management, which contributes to a healthy, sustainable resource.

2.3 Map of Cumberland Sound



3. Harvesting

At present, there are 60 active fishers and helpers in the Winter Fishery with a total of 90 licenses issued from DFO. 30+ employees are employed at the plant, Pangnirtung Fisheries Limited with the potential to double the number of employees with increased quota. This quota increase would allow our operation to move from a four months to 10-12 months per year.

To support the Summer Fishery, CSFL's has purchased a vessel, the f/v Pijiua II (see Appendix #1).

3.1. Harvesting Plan (2019)

- Ice (winter fishery) / Sea (summer fishery) 800 MT
- Cumberland Sound Fisheries has a vessel, f/v Pijiua II (38'11")
- Gear: Hook and line trawl and long line trawl
- CSFL has a sound waste management plan
- Gear loss reduction
- By-catch reduction

The following is the offshore allocation harvest for 2017/2018.

Species Harvested	Fiscal Year 2017/2018		
	Allocation	Metric tonnes Harvested	% of Allocation Harvested
Greenland Halibut			
NAFO Division 0A	940mt	940mt	100%
NAFO Division 0B	950mt	950mt	100%
CSTMA	500mt	500mt	100%
Northern Shrimp			
SFA 1	744.4mt	744.4mt	100%
SFA 2 (outside NSA)	232.6mt	232.6mt	100%
SFA 2 (inside NSA)	0.0mt	0.0mt	n/a

There were no compliance issues as a result of harvesting efforts regarding The Partnerships allocations in 2017/2018.

4. Research

Results of 2018 Cumberland Sound Turbot Population Research

The FV “Pijiuja II” was commissioned by The Department of Fisheries and Oceans to conduct a scientific assessment of turbot stocks in Cumberland Sound, Nunavut. Discussions with the ship’s captain, John Cabot and Pangnirtung Fisheries board members and management reveal that the stock in Cumberland Sound has grown to a level where an increase is warranted that remains within sustainable quota levels which protects the overall health of the stock in the long term. Hook and line gear fished in various grids in the sound yielded good catch rates mainly in depths between 475 and 600 fathoms. The overall range of small to larger fish was positive given the size of hooks used in the long line gear. By-catch levels were minimal. A few sharks, skate and grenadier were identified in select areas and were able to be released with minimal mortality. Gear selectivity through the use of various size hooks prevented other species from capture. The absence of gill nets further allows avoidance of non-targeted species.

The overall state of the stock from a historical basis has been also very positive given the successful harvesting and processing of 500 Metric tonnes of turbot in Cumberland Sound in recent years. In 2018, fishing was extremely good with record catch per unit efforts and an extensive range of small to large fish. Harvesters caught the quota in record time, less than 3 three months. A summer fishery yielded 10 tonnes of available quota, again experiencing positive catch rates. The overall quality of the fish was excellent given the workmanship on the ice, quick transport time and expedient processing in the Pangnirtung Fisheries plant. The results of the 2018 survey were positive. The report will not be available until February, findings were very encouraging. While Cumberland Sound Fisheries realizes the research must be analyzed and confirmed, our organization is presenting a preliminary proposal for a quota increase in recognition of the findings this fall.



5. Rationale

Increasing the quota in Cumberland Sound also supports the goal of the Nunavut Land Claims Agreement: to encourage self-reliance. Local harvesters will have more opportunity to fish Turbot, and possibly other species thus benefiting the residents of Pangnirtung.

It should be noted that Cumberland Sound harvesting is already a model for others in that NO gillnets are permitted in the Sound. Only 'hook and line' fishing is permitted.

While enhancing the turbot fishery, the potential to develop new fisheries in Cumberland Sound will also be possible.

Further developing a winter / summer fishery will contribute to the local fish processing operation at Pangnirtung allowing for an extended operating season, considerable increase in local employment and numerous spin off benefits for Pangnirtung and the region.

This request also supports the Goal of Nunavut Land Claims Agreement: To encourage self-reliance.

6. Consultations

6.1 People of Pangnirtung

This request is supported by the Municipality of Pangnirtung and the PHTO as the inshore turbot fishery has been developing over the last few years.

7. Timing 2019

It is anticipated that the turbot inshore fishery will start in January 2019.

8. Investment

- Plant upgrades
- Boats (Fleet improvement)
- Gear
- Quality improvement
- Training in partnership with programs developed through the Government of Nunavut
- Education Opportunities
- Ecologically Sustainable
- Good compliance with DFO and the NWMB

9. Governance Plan Update

The following outlines the current Board members of CSFL and PFL:

A Board of Directors and an Executive Committee (managed CSFL). Currently the Board members are as follows:

- Joopa Sowdluapik - Chairman
- Peter Kilabuk - Vice Chairman
- Sakiasie Sowdloopik - Secretary Treasurer (Acting Executive Director)
- Paulette Metuq - Director
- Chitee Kilabuk - Director
- Matewsie Manaiapik (HTA Rep) - Director
- Jaco Qaqasiq (Co-op rep) - Director

PFL has a four member Board; one appointed by NDC, one appointed by Niqitac Fisheries Ltd (BFC) and two by CSFL. Currently the Board members are as follows:

- Sakiasie Sowdloopik - Chairman (Acting Executive Director)
- Jacopee Maniapik - Vice Chairman
- Joopa Sowdloopik - Director
- Jaco Qaqasiq - Director

A new General Manager of PFL was hired in August 2018, Todd Johnson.

10. Benefits Summary

- Increased number of harvesting jobs (Inuit and Nunavummiut)
- Increased number of processing jobs (Inuit and Nunavummiut)
- Benefit for local business
- Increased economic benefit to the community due to longer periods of employment and increased income for both fishers and plant workers
- More independence and less reliant on social programs
- Profitability
- 100% Inuit owned and managed
- Increase quota does not negatively affect neighboring communities
- Stewardship is positive – responsible fishing using hook and line
- Gear selectivity (hook and line and longline trawl)

11. Appendices

Appendix I Inspection and Valuation of Fishing Vessel by RCG Marine Consulting

*Note: Formatting and image quality has been changed from the original document

Inspection and Valuation of Small Fishing Vessel: Pijiuja II

Pangnirtung, Nunavut

August 28, 2016

Vessel History

The fishing vessel Pijiuja II is a traditional maritime small fishing vessel, built in 2013 for the owner at Cheticamp Boatyard, in accordance with the Small Fishing Vessel Regulations as outlined under the Canada Shipping Act 2001 (CSA 2001). The owner's intention was to prosecute the exploratory inshore turbot fishery recently permitted by federal regulation in the Cumberland Sound area. The vessel was completed and delivered to the owner in the late summer of 2013. However, as a result of low fish prices and heavy ice coverage in the area, the Pijiuja II did not enter the fishery and has spent the last two seasons laid up, in cradle at Pangnirtung, Nunavut. The vessel has received very little commercial sea going time and as a result has been put for sale by the owner. The vessel is approximately 39' in length and is registered as less than 15 gross tons (GRT) with a traditional "Cape Island" hull design commonly employed in the inshore fishing industry on Canada's East Coast. Although, properly winterized and well attended, the vessel has been subjected to several harsh northern winters, therefore a thorough examination, including the powering of all equipment was undertaken. The results of this inspection process are categorized in this report.

Cumberland Sound Fisheries Ltd.

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Vessel Particulars

Name Of Vessel	Pijiuja II
Date Of Survey	August 22, 2016
Vessel Type	Small Fishing Vessel
Engine Type and Horse Power	Cummins Diesel- 300hp - 2013



Photo 1 & 2 (Vessel Profiles)



Photo 3: PFL Fishing Vessel – Pijiuja II