Fishery:

Halibut Hook and Line

State of Readiness Assessment:

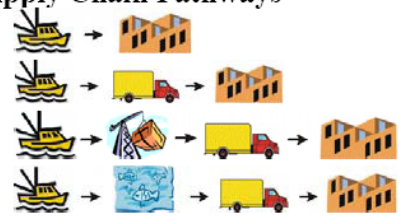
Total Score =

A-

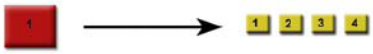
Fishery Overview:

- Individual vessel quota system with 100% at sea (using Electronic Monitoring System) and dockside monitoring.
- Open season March – November with effort driven by price and convenience of scheduling around other fishing activities.
- Fishing primarily occurs in offshore areas of the BC coast.
- Bycatch includes other groundfish (rockfish, lingcod, dogfish, skate).
- Pooling of product prior to buyer is rare.
- Batch=offload, Trade unit=individual fish or totes of fish, Logistic unit=totes of fish.
- Fishers are generally paid a standard price. Differentials are occasionally paid based on size and/or chaulkiness.
- The Canadian Pacific halibut fishery was awarded MSC certification in 2009.
- The Pacific Halibut Management Association (PHMA) and the Commercial Industry Caucus represent industry.

Supply Chain Pathways



Unit Transformations



Markets:

- Market is primarily for fresh halibut exports to the US. Domestic market is small.
- Primarily fresh dressed and iced halibut are delivered to buyers. Live and FAS occurs but is rare.
- Product quality concerns are based on freshness and chaulkiness.
- COOL and US Bioterrorism Act are the main traceability regulations of concern.

Data Availability from Fisheries Monitoring Programs: **Score = 1.5**

Traceability data is currently collected through the following processes.

Harvester	Custom Offloader	Transporter	Buyer
Harvest Log – skipper Electronic Monitoring Data – MSP Validation Record – MSP Offload Tally – MSP and custom offloader Transit Slip – MSP	Validation Record – MSP Offload Tally – MSP and custom offloader Transit Slip – MSP	Validation Record – MSP Offload Tally – MSP and custom offloader Transit Slip – MSP Bill of Lading – transporter	Validation Record – MSP Offload Tally – MSP and custom offloader Transit Slip – MSP Bill of Lading – transporter Delivery Record – buyer Processing Records – buyer Sales Records - buyer

What product or business data is missing?

Number of units in shipment, data access contact persons (data responsible party) for the harvester, transporter and buyer.

Is the data electronically accessible to the supply chain?

No. Paper validation records are maintained by the harvester. A confidential electronic database is maintained by the MSP.

Is the data verifiable?

Yes, through 100% dockside validation and audit of Harvest Log using data from Electronic Monitoring System.

Product Identifiers: **Score = 1.5**

Serial numbered fish tags are used (halibut only). Logistic unit identifiers are not used.

Data Transfer and Information Mapping: **Score = 2**

Current data systems are paper based with offload tallies sent to the buyer.

Industry Leadership: **Score = 1**

One well organized association represents the halibut industry specifically and another represents the entire BC groundfish industry as a whole.

Processor Level Constraints **Score = 2**

Pooling of product can occur at the processor.

Factors impeding ability to meet traceability:

- Dockside monitoring data are treated as protected business information.

Factors aiding ability to meet traceability:

- An industry wide landings data system is in place through 100% dockside validation.
- Most of the required information is collected on paper and stored electronically.
- Fish are large, handled individually and tagged with a unique serial number (identifies halibut as Canadian and validated). This is the only fishery that is traceable on a piece by piece basis..
- MSC certification with require Chain of Custody certification and audit at the processor level.
- Limited number of halibut buyers.

Opportunities:

Goal 1 - Traceability to an offload or container level.

Goal 2 – Good candidate fishery for a pilot project.

- Identify containers with trade/logistic unit identifiers.
- Integrate existing data systems and streamline data transfer through the supply chain for more efficient and timely data communication.
- Halibut tags could be coded with digitally readable information for partial piece by piece traceability or marketing purposes.
- Foster cooperation and a unified approach in addressing business and fishery issues.

MSP = Monitoring Service Provider