

<p>Fishery:</p> <p style="text-align: center;"><i>Tuna Troll</i></p>	<p>State of Readiness Assessment:</p> <p style="text-align: center;">Total Score = C+</p>
<p>Fishery Overview:</p> <ul style="list-style-type: none"> • Open season with no Total Allowable Catch. • Open year round with effort driven by market demand and weather. • Fishing occurs in offshore areas of the Pacific Ocean. • Catch is primarily albacore tuna. • Pooling of product does not occur at the harvester to processor level. • Vessels are paid a standard rate. • The BC albacore tuna fishery was awarded MSC certification in 2010. • Batch = offload, Trade unit = totes of fish, Logistic unit = totes of fish. • Industry is represented by the Canadian Highly Migratory Species Foundation. 	
<p>Supply Chain Pathways</p>	<p>Unit Transformations</p>
<p>Markets:</p> <ul style="list-style-type: none"> • Markets include fresh, frozen, smoked and canned tuna in Canada, US, EU and Japan. • Most tuna are delivered frozen at sea to buyers. • Product quality concerns are based on freezing quality and freshness. • COOL, US Bioterrorism Act and EU Food Law are the main traceability regulations of concern. Japanese traceability regulations are not yet developed although some chain retailers in Japan are increasing their traceability requirements. 	

<p>Data Availability From Fisheries Monitoring Programs: Traceability data is currently collected through the following processes.</p> <table border="1"> <tr> <td> <p>Harvester Harvest Log – skipper Offload Tally – custom offloader</p> </td> <td> <p>Custom Offloader Harvest Log – skipper Offload Tally – custom offloader</p> </td> <td> <p>Transporter Harvest Log – skipper Offload Tally – custom offloader Bill of Lading – transporter</p> </td> <td> <p>Buyer Harvest Log – skipper Offload Tally – custom offloader Bill of Lading – transporter Delivery Record – buyer Processing Records – buyer Sales Records - buyer</p> </td> </tr> </table>		<p>Harvester Harvest Log – skipper Offload Tally – custom offloader</p>	<p>Custom Offloader Harvest Log – skipper Offload Tally – custom offloader</p>	<p>Transporter Harvest Log – skipper Offload Tally – custom offloader Bill of Lading – transporter</p>	<p>Buyer Harvest Log – skipper Offload Tally – custom offloader Bill of Lading – transporter Delivery Record – buyer Processing Records – buyer Sales Records - buyer</p>	<p>Score = 2</p>
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<p>What product or business data is missing? Number of units in shipment, batch number, type of package, date and time of dispatch, place of dispatch, transport firm, data access contact persons (data responsible party) for the harvester, buyer and transporter.</p> <p>Is the data electronically accessible to the supply chain? No. Paper harvest records are maintained by the harvester.</p> <p>Is the data verifiable? No third party validation or audits are conducted.</p>						
<p>Product Identifiers: Unique trade and/or logistic unit identifiers are not used.</p>		<p>Score = 3</p>				
<p>Data Transfer and Information Mapping: Current data systems are paper based with poor transfer of data to the buyer.</p>		<p>Score = 3</p>				
<p>Industry Leadership: The Canadian Highly Migratory Species Foundation represents industry.</p>		<p>Score = 1.5</p>				
<p>Processor Level Constraints: Cold storage is common where grading and pooling of product may occur. The associated inventory management is poor.</p>		<p>Score = 2</p>				
<p>Factors impeding ability to meet traceability:</p> <ul style="list-style-type: none"> At sea transfer of product to buyers and product pooling at the processor level without supporting documentation. An industry wide data system for offloads does not currently exist. Landings data is not verifiable (ie. Dockside Monitoring Program). Canadian harvesters land tuna in Canada and the US. 		<p>Factors aiding ability to meet traceability:</p> <ul style="list-style-type: none"> Tuna are large, handled individually and frozen at sea. The MSC certification of the albacore tuna fishery will require Chain of Custody certification and audit at the processor level. 				
<p>Opportunities: Goal 1 - Traceability to an offload or container level.</p> <ul style="list-style-type: none"> Develop an industry wide landings data system from which business information is accessible, transferable, and verifiable. Identify containers with unique trade unit identifiers. Foster cooperation among businesses and a unified approach in addressing industry business and fisheries issues. 						