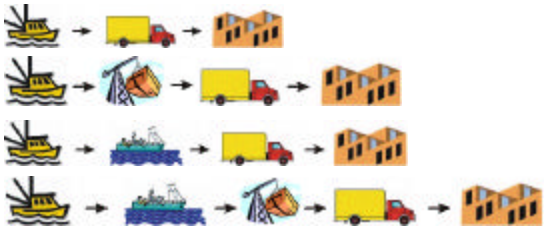
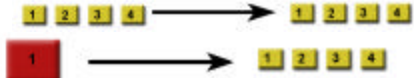


## Traceability Readiness Report Card

<b>Fishery:</b> <i>Red and Green Sea Urchin by Dive</i>	<b>State of Readiness Assessment:</b>  <b>Total Score =</b> <b>A-</b>
<b>Fishery Overview:</b> <ul style="list-style-type: none"> <li>• Individual vessel quota</li> <li>• Red sea urchins are open year round and green sea urchins are fished in the winter. Effort is based on roe quality and market demand</li> <li>• Fishing occurs in nearshore areas of the BC coast</li> <li>• Catch consists of red and green sea urchins (separately licenced fisheries)</li> <li>• Pooling does not occur</li> <li>• Vessels are paid based on roe quality</li> <li>• Batch =offload, Trade unit=tote, cage(green urchins), Logistic unit=tote, cage(green urchins)</li> <li>• Pacific Urchin Harvesters Association (PUHA) represents the red sea urchin industry and West Coast Green Urchin Association (WCGUA) represents the green sea urchin industry</li> </ul>	
<b>Chain of Custody Pathways</b> 	<b>Unit Transformations</b> 
<b>Market/s:</b> <ul style="list-style-type: none"> <li>• Market is primarily for fresh roe to Japan. Small markets exist in France, US and Canada.</li> <li>• Live sea urchins are delivered to buyers</li> <li>• Product quality concerns are based on roe colour, size and texture.</li> <li>• Japanese traceability regulations are not yet developed.</li> </ul>	

<p><b>Product and Business Data Availability:</b> Traceability data is currently collected through the following processes.</p>		<p><b>Score = 1</b></p>	
<p><b>Harvester</b> Harvest/Validation Record – skipper and MSP</p>	<p><b>Custom Offloader</b> Validation/Harvest Log – skipper and MSP Offload Tally – custom offloader</p>	<p><b>Transporter</b> Validation/Harvest Log – skipper and MSP Offload Tally – custom offloader Bill of Lading – transporter</p>	<p><b>Buyer</b> Validation/Harvest Log – skipper and MSP Offload Tally – custom offloader Bill of Lading – transporter Delivery Record – buyer Processing Records – buyer Sales Records - buyer</p>
<p><b>What product or business data is missing?</b> transport firm, data access contact persons (data responsible party) for the harvester, buyer and transporter.</p>			
<p><b>Is the data electronically accessible to the supply chain?</b> No. Paper validation records are maintained by the harvester. A confidential electronic database is maintained by the MSP.</p>			
<p><b>Is the data verifiable?</b> Yes, through 100% dockside validation</p>			
<p><b>Product Identifiers:</b> Unique trade and/or logistic unit identifiers are not used.</p>		<p><b>Score = 2.5</b></p>	
<p><b>Data Transfer and Information Mapping:</b> Current data systems are paper based with validation records accompanying deliveries to the buyer.</p>		<p><b>Score = 2</b></p>	
<p><b>Industry Leadership:</b> One association represents industry</p>		<p><b>Score = 1</b></p>	
<p><b>Processor Level Constraints:</b></p>		<p><b>Score = 1</b></p>	
<p><b>Factors impeding ability to meet traceability:</b></p>	<p><b>Factors aiding ability to meet traceability:</b></p> <ul style="list-style-type: none"> <li>• An industry wide landings data system is in place through 100% dockside validation</li> <li>• Most of the required information is collected on paper and stored electronically(MSP).</li> <li>• IQ fishery regime allows market driven fishing and time for specialized product handling</li> <li>• Single species fishery</li> <li>• Number of sea urchin buyers are limited</li> <li>• No unit transformations occur from water to buyer</li> <li>• Container tags are required on every container transported</li> </ul>		
<p><b>Opportunities:</b>  <b>Goal 1</b> – Traceability to a container level  <b>Goal 2</b> – Good candidate fishery for a pilot project</p> <ul style="list-style-type: none"> <li>• Identify containers with trade unit identifiers</li> <li>• Integrate existing data systems and streamline data transfer through the supply chain for more</li> </ul>			