Canada Coldwater Shrimp

International Coldwater Prawn Meeting
Copenhagen, Nov 12th, 2015

Presented by: Dennis Coates & Keith Sullivan

Content:
- Canadian Shrimp Fishery
- On Shore Processing Overview
- Processing Factories NL
- Processing Factories NS, NB & QC
- Canada Quotas & Landings (Inshore / Offshore)
- Newfoundland and Labrador Fishery
- North East NL Shrimp Zones, Quotas, Catch
- Gulf of St. Lawrence Shrimp Zones, Quotas, Catch
- Scotia Fundy Shrimp Zones, Quota, Catch
- Science Outlook
Canadian Shrimp Fishery

• 2014 Landings of 131,036 MT with an export value of $694,000,000
  – Export value increase from 2013 of $166 Million
• 2015 Landings higher with a slight TAC increase and export value expected to be higher with significantly improved market prices.
• Northern Shrimp: 17 Offshore licenses and approximately 300 inshore.
• Gulf: Approximately 100 licence holders.
• Scotian Shelf 35 licenses (92% mobile, 8% trap)
Newfoundland and Labrador Fishery

- Value – Approximately $1 Billion annually (all species).
- Shrimp consistently highest volume and second most valuable fishery, behind snow crab.
- Both “offshore” and “inshore” fisheries
  - Offshore: >35m vessels; primarily supply shell-on markets in Asia, Russia, and Europe.
  - Inshore: 20m vessels; supply fresh product primarily for cooked and peeled markets in Europe and NA.
  - Inshore fleet are members of FFAW | Unifor
Northern Shrimp:
- Began exclusively with offshore from 1978-1996
- Now Inshore (fresh landings) and Offshore (FAS landings)
- Quota peaked at 180,000 MT in 2009 and at 129,000 MT in 2015

Gulf Shrimp:
- Began in 1965 and continues today, exclusively to inshore
- Quota peaked at 37,000 MT in 2010 and at 31,500 in 2015

Scotian Shelf Shrimp:
- Began in 1960s and continues today mainly as inshore with small FAS effort.
- Quota peaked at 5,500 MT in 2000 and at 4,500 in 2015
### North East Newfoundland Shrimp Zones

<table>
<thead>
<tr>
<th></th>
<th>Quota</th>
<th>Catch</th>
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<th>Catch</th>
<th>Quota</th>
<th>Catch</th>
<th>Quota</th>
<th>Catch</th>
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</thead>
<tbody>
<tr>
<td>2009</td>
<td>77,546</td>
<td>40,859</td>
<td>59,463</td>
<td>44,354</td>
<td>46,510</td>
<td>44,354</td>
<td>47,955</td>
<td>45,749</td>
<td>46,002</td>
<td>45,831</td>
<td>34,130</td>
<td>34,350</td>
<td>32,339</td>
<td>32,000</td>
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<tr>
<td>2010</td>
<td>99,322</td>
<td>68,049</td>
<td>93,312</td>
<td>88,024</td>
<td>100,403</td>
<td>87,308</td>
<td>66,868</td>
<td>89,259</td>
<td>76,456</td>
<td>82,452</td>
<td>85,000</td>
<td>80,436</td>
<td>82,000</td>
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</tbody>
</table>
Gulf of St. Lawrence Shrimp Zones

<table>
<thead>
<tr>
<th>Year</th>
<th>Quota</th>
<th>Catch</th>
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</thead>
<tbody>
<tr>
<td>2009</td>
<td>37,016</td>
<td>35,983</td>
</tr>
<tr>
<td>2010</td>
<td>36,917</td>
<td>36,300</td>
</tr>
<tr>
<td>2011</td>
<td>35,115</td>
<td>34,264</td>
</tr>
<tr>
<td>2012</td>
<td>32,848</td>
<td>32,166</td>
</tr>
<tr>
<td>2013</td>
<td>31,981</td>
<td>30,646</td>
</tr>
<tr>
<td>2014</td>
<td>30,731</td>
<td>30,731</td>
</tr>
<tr>
<td>2015</td>
<td>31,549</td>
<td>30,731</td>
</tr>
</tbody>
</table>
### Scotia Fundy Shrimp Zones

#### Nova Scotian Shelf SFAs 13, 14, 15
- Typical high density areas in red color

#### Scotia Fundy

<table>
<thead>
<tr>
<th>Year</th>
<th>Quota</th>
<th>Catch</th>
</tr>
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<tbody>
<tr>
<td>2010</td>
<td>5,000</td>
<td>4,582</td>
</tr>
<tr>
<td>2011</td>
<td>4,600</td>
<td>4,358</td>
</tr>
<tr>
<td>2012</td>
<td>4,200</td>
<td>3,663</td>
</tr>
<tr>
<td>2013</td>
<td>3,800</td>
<td>3,602</td>
</tr>
<tr>
<td>2014</td>
<td>4,500</td>
<td>3,782</td>
</tr>
<tr>
<td>2015</td>
<td>4,500</td>
<td>4,500</td>
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</table>
## Canada Shrimp Industry (At-Sea & On-Shore Capacity)

<table>
<thead>
<tr>
<th>Province</th>
<th># Plants</th>
<th># Peelers</th>
<th># vessels (Inshore)</th>
<th># Vessels (Offshore)</th>
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</thead>
<tbody>
<tr>
<td>NL</td>
<td>10</td>
<td>70</td>
<td>300</td>
<td>8</td>
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<tr>
<td>NS</td>
<td>2</td>
<td>12</td>
<td>32</td>
<td>4</td>
</tr>
<tr>
<td>NB</td>
<td>2</td>
<td>12</td>
<td>18</td>
<td>0</td>
</tr>
<tr>
<td>QC</td>
<td>4</td>
<td>28</td>
<td>40</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>122</td>
<td>390</td>
<td>12</td>
</tr>
</tbody>
</table>
Matane, Royal Greenland
St. Anne Des Monts, Crustaces De Monts
Rivière-au-Renard, Pecheries Marinard Ltd.
Rivière-au-Griffon, La Crevette de Nord Atlantique
Caraquet, Belle Baie
Lamèque, Island Fishermen COOP
North Sydney, Louisburg Seafoods
Arichat, Premium/Ocean Choice
SFA 4 *Pandalus borealis* Total Biomass Indices

![Graph showing total biomass indices for SFA 4 Pandalus borealis over the years 2004 to 2014.](image)

- **Old Version Ogmap** (dashed line)
- **New Version Ogmap** (solid line)

SFA 4 *P. borealis* Catches and TACs

**A - Total Catch and TAC**
- 2014/15 Season
  - TAC = 14,971 t
  - Catch = 14,970 t
SFA 5 Total Biomass Indices

Year


Biomass (t x 1000)

0 75 150 225 300

SFA 5 Total Biomass Indices

Old Version Ogmap

New Version Ogmap

SFA 5 Catches and TACs

A - Total Catch and TAC
2014/15 Season
TAC = 20,970 t
Catch = 17,273 t
SFA 6 Total Biomass Indices

Biomass (t x 1000)

Year


Old Version Ogmap
New Version Ogmap

SFA 6 Pandalus borealis
Catches and TACs

A - Total Catch and TAC
2014/15 Season
TAC = 48,196 t
Catch = 39,496 t
Northern Shrimp in Division 3M
Based on the survey, the total biomass estimate of 39,381 (95% confidence interval 32,435 - 46,328) mt remained approximately stable at a high level in 2014, decreasing only 1.5% from 2013.

Although the stock is expected to continue to gradually decline in 2015, the high fishable and spawning stock biomass in 2014 suggests that a status quo TAC will not exceed the removal reference in 2015. However, given the small size of the 2009-2012 year classes, reactive TAC reductions will be required if the stock declines towards to the Cautious Zone.
Main stock status indicator by year and limit (LRP) and upper (USR) stock reference points for each fishing area. All four stocks in the Gulf are in the healthy zone!