Amendment 21: Allocation of Harvest Opportunity Between Sectors of the Pacific Coast Groundfish Fishery

Pacific Fishery Management Council
April 2009
Decisions Under this Action

- Trawl and Non-Trawl Allocations
- Within-Trawl Allocations
  - Widow, POP, and Darkblotched Allocations
  - At-Sea Whiting Sector Yield Set-Asides
  - Shoreside Trawl Sector Allocations
- Pacific Halibut Trawl Total Catch Limits
- Frameworiking the Process for Future Allocation Decisions
Lingcod

Trawl

<table>
<thead>
<tr>
<th>Year</th>
<th>GAC Alloc.</th>
<th>Alt 4 Alloc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1995</td>
<td>45%</td>
<td>11.8%</td>
</tr>
<tr>
<td>2000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2005</td>
<td></td>
<td></td>
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</table>

Non-Trawl

<table>
<thead>
<tr>
<th>Year</th>
<th>GAC Alloc.</th>
<th>Alt 4 Alloc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1995</td>
<td>88.2%</td>
<td>55%</td>
</tr>
<tr>
<td>2000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2005</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Pacific Cod

Trawl

NT catch (mt)

GAC Alloc.

Alt 4 Alloc.

95%

98%

Non-Trawl

NT catch (mt)

GAC Alloc.

Alt 4 Alloc.

5%

2%
Sablefish N

Trawl

Non-Trawl

<table>
<thead>
<tr>
<th>Year</th>
<th>Trawl Catch (mt)</th>
<th>GAC Alloc.</th>
<th>Alt 4 Alloc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1995</td>
<td>4500</td>
<td>52.5%</td>
<td></td>
</tr>
<tr>
<td>2000</td>
<td>3000</td>
<td>45.3%</td>
<td></td>
</tr>
<tr>
<td>2005</td>
<td>2500</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Non-Trawl Catch (mt)</th>
<th>GAC Alloc.</th>
<th>Alt 4 Alloc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1995</td>
<td>6000</td>
<td>54.7%</td>
<td></td>
</tr>
<tr>
<td>2000</td>
<td>5500</td>
<td>47.5%</td>
<td></td>
</tr>
<tr>
<td>2005</td>
<td>5000</td>
<td>47.5%</td>
<td></td>
</tr>
</tbody>
</table>
Sablefish S

Trawl

Trawl catch (mt)

GAC Alloc.

Alt 4 Alloc.

36.1%

42%

1995 2000 2005

Non-Trawl

Non-trawl catch (mt)

GAC Alloc.

Alt 4 Alloc.

58%

63.9%

1995 2000 2005
Yellowtail

**Trawl**
- Trawl catch (mt)
  - GAC Alloc.: 88%
  - Alt 4 Alloc.: 87.3%

**Non-Trawl**
- Non-trawl catch (mt)
  - GAC Alloc.: 12.7%
  - Alt 4 Alloc.: 12%
Longspine S

Trawl

- Trawl catch (mt)
- GAC Alloc.
- Alt 4 Alloc.

Non-Trawl

- Non-trawl catch (mt)
- GAC Alloc.
- Alt 4 Alloc.

Max = ~0.5 mt
Set aside 5 mt?

Max = 55 mt

1995 2000 2005

GAC Alloc. Alt 4 Alloc.
Minor Slope Rockfish N

### Trawl
- **Trawl catch (mt)**
  - 1995: 1000
  - 2000: 800
  - 2005: 600

- **GAC Alloc.**
  - 1995: 81%
  - 2000: 79.1%

- **Alt 4 Alloc.**
  - 1995: 20.9%
  - 2000: 19%

### Non-Trawl
- **Non-trawl catch (mt)**
  - 1995: 350
  - 2000: 250
  - 2005: 150

- **GAC Alloc.**
  - 1995: 20.9%
  - 2000: 19%

- **Alt 4 Alloc.**
  - 1995: 19%
  - 2000: 19%
Minor Slope Rockfish S

Trawl
- Trawl catch (mt)
- GAC Alloc.
- Alt. 4 Alloc.

Non-Trawl
- Non-trawl catch (mt)
- GAC Alloc.
- Alt. 4 Alloc.

Year: 1995, 2000, 2005

Trawl:
- 1995: 63% allocation
- 2000: 59.6% allocation
- 2005: 61% allocation

Non-Trawl:
- 1995: 40.4% allocation
- 2000: 37% allocation
- 2005: 37% allocation
Dover sole

**Trawl**
- Trawl catch (mt)
- GAC Alloc.

**Non-Trawl**
- Non-trawl catch (mt)
- GAC Alloc.

Max = 124.4 mt
English sole

Trawl

Non-Trawl

Trawl catch (mt)

GAC Alloc.

Max = 66 mt

Non-trawl catch (mt)

GAC Alloc.
Arrowtooth Flounder

Trawl vs. Non-Trawl Catch

- Trawl catch (mt)
- GAC Alloc.
- Non-trawl catch (mt)
- GAC Alloc.

1995 2000 2005
Max = 88.9 mt
Set aside ~100 mt
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• Frameworking the Process for Future Allocation Decisions
Trawl Sector Allocations of Widow, POP, and Darkblotched

- An allocation of these trawl-dominant overfished species needs to be made to the four current trawl sectors to implement trawl rationalization.
- Widow, POP, darkblotched, and canary will be allocated to the at-sea sectors and managed with total catch limits.
- Variation in annual catches of these species by at-sea sectors may compel short-term allocations decided biennially.
Widow Whiting Trawl Sector Catches

1995 2000 2005

2010 Alloc (widow rebuilding)
Darkblotched Whiting Trawl Sector

Catches

- 1995: 60.0
- 2000: 20.0
- 2005: 20.0

Whiting 2010 Alloc
At-Sea Whiting Sector
Set-Asides

- Set-aside amounts are held in reserve to accommodate incidental bycatch
- Consider strawman yield set-asides in Table 4-23
- Yellowtail set-aside significantly larger – 500 mt
## Strawman Set-Aside Amounts (mt) for At-Sea Sectors

<table>
<thead>
<tr>
<th>Species</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lingcod</td>
<td>6</td>
</tr>
<tr>
<td>Pacific Cod</td>
<td>1</td>
</tr>
<tr>
<td>Sablefish N</td>
<td>50</td>
</tr>
<tr>
<td>Yellowtail</td>
<td>500</td>
</tr>
<tr>
<td>Shortspine N</td>
<td>20</td>
</tr>
<tr>
<td>Longspine N</td>
<td>1</td>
</tr>
<tr>
<td>Minor Slope RF N</td>
<td>55</td>
</tr>
<tr>
<td>Dover Sole</td>
<td>5</td>
</tr>
<tr>
<td>English Sole</td>
<td>1</td>
</tr>
<tr>
<td>Petrale Sole</td>
<td>1</td>
</tr>
<tr>
<td>Arrowtooth</td>
<td>10</td>
</tr>
<tr>
<td>Starry Flounder</td>
<td>1</td>
</tr>
<tr>
<td>Other Flatfish</td>
<td>20</td>
</tr>
<tr>
<td>Pacific Halibut</td>
<td>10</td>
</tr>
</tbody>
</table>
At-Sea Whiting Sector Set-Asides – Yellowtail Rockfish

[Graph showing the trends of At-Sea Whiting Sector Set-Asides from 1995 to 2007. The graph includes bars for MS, CP, and Strawman set-aside, with a significant increase in 2001.]
Shoreside Trawl Sector Allocations

• Sector allocation needed to make initial allocation of QS to eligible participants

• Insignificant difference using sector catch shares for all Am 21 species except widow and yellowtail (Table 2-11)
Widow Rockfish

Under Widow Rebuilding

- 14.5% SNW
- 85.5% SSW

Widow Rebuilt

- 94.7% SNW
- 5.3% SSW
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• Pacific Halibut Total Catch Limits

• Frameworiking the Process for Future Allocation Decisions
Pacific Halibut Total Catch Limits

1. 14.6% and 14.7% of Area 2A CEY (Alts 1 and 2, respectively)
2. 10% of Area 2A CEY (Alt 3 – Nov. 2008)
3. 15% of Area 2A CEY not to exceed 130,000 lbs (Alt 4 PPA – Mar. 2009)
   - 15% limit not to exceed 130K lbs for first two years
   - 15% limit not to exceed 100K lb in year 3
   - May lower limit further in biennial management process
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FMP Considerations

• Allocations in the FMP, or
• Framework the Allocation Process in the FMP
  – Allow Formal Allocations to Stand Unless Changed in the Biennial Management Process
  – Some Allocations Always Made in Biennial Management Process (e.g., Canary)
• Maintain FMP Provision to Suspend a Formal Allocation if a Stock is Declared Overfished