

# 2010 IPHC Stock Assessment Survey

## Area 4D

| Station | Date Fished | North Latitude | West Longitude | Depth (F) | Skates Set <sup>1</sup> | Legal Halibut     |     | Sublegal Halibut  |     | Bycatch (numbers) <sup>3</sup> |        |          |
|---------|-------------|----------------|----------------|-----------|-------------------------|-------------------|-----|-------------------|-----|--------------------------------|--------|----------|
|         |             |                |                |           |                         | Lbs. <sup>2</sup> | #'s | Lbs. <sup>2</sup> | #'s | Sablefish                      | P. Cod | Rockfish |
| 7050    | 8/18        | 56° 20.00'     | -171° 19.01'   | 78        | 8.0                     | 173               | 8   | 44                | 5   | 0                              | 15     | 0        |
| 7051    | 8/18        | 56° 30.01'     | -171° 37.23'   | 81        | 7.9                     | 132               | 5   | 97                | 14  | 0                              | 34     | 0        |
| 7052    | 8/18        | 56° 30.00'     | -171° 55.03'   | 166       | 8.0                     | 277               | 12  | 15                | 2   | 0                              | 5      | 10       |
| 7053    | 8/17        | 56° 40.09'     | -173° 07.00'   | 88        | 7.9                     | 327               | 17  | 58                | 9   | 0                              | 44     | 0        |
| 7054    | 8/17        | 56° 49.97'     | -173° 24.96'   | 252       | 7.9                     | 319               | 12  | 0                 | 0   | 0                              | 0      | 49       |
| 7055    | 8/17        | 56° 59.95'     | -173° 25.00'   | 102       | 8.0                     | 15                | 1   | 0                 | 0   | 0                              | 0      | 0        |
| 7056    | 8/16        | 57° 00.02'     | -173° 43.02'   | 265       | 8.0                     | 109               | 4   | 0                 | 0   | 5                              | 0      | 0        |
| 7057    | 8/16        | 57° 09.91'     | -173° 43.00'   | 80        | 8.0                     | 24                | 2   | 30                | 4   | 0                              | 10     | 0        |
| 7058    | 8/16        | 57° 20.02'     | -173° 43.00'   | 75        | 7.9                     | 959               | 41  | 49                | 6   | 0                              | 58     | 5        |
| 7059    | 8/10        | 57° 40.02'     | -173° 42.92'   | 73        | 7.9                     | 0                 | 0   | 14                | 3   | 0                              | 34     | 0        |
| 7060    | 8/10        | 57° 50.00'     | -173° 43.14'   | 83        | 8.0                     | 243               | 11  | 15                | 2   | 0                              | 231    | 0        |
| 7061    | 8/15        | 58° 19.94'     | -174° 20.18'   | 119       | 8.0                     | 257               | 14  | 72                | 10  | 0                              | 50     | 0        |
| 7062    | 8/11        | 58° 20.11'     | -175° 17.00'   | 188       | 8.0                     | 1,118             | 53  | 80                | 8   | 0                              | 15     | 0        |
| 7063    | 8/15        | 58° 29.95'     | -174° 19.91'   | 78        | 8.0                     | 39                | 2   | 5                 | 1   | 0                              | 20     | 0        |
| 7064    | 8/11        | 58° 30.00'     | -175° 18.01'   | 99        | 8.0                     | 1,137             | 52  | 114               | 15  | 0                              | 64     | 0        |
| 7065    | 8/11        | 58° 30.01'     | -175° 37.00'   | 98        | 8.0                     | 570               | 31  | 84                | 10  | 0                              | 45     | 0        |
| 7067    | 8/14        | 58° 40.00'     | -174° 20.08'   | 90        | 8.0                     | 178               | 10  | 78                | 10  | 0                              | 20     | 0        |
| 7068    | 8/14        | 58° 40.00'     | -174° 39.16'   | 111       | 8.0                     | 307               | 11  | 100               | 15  | 0                              | 0      | 5        |
| 7069    | 8/14        | 58° 40.00'     | -174° 59.19'   | 118       | 8.0                     | 112               | 6   | 35                | 4   | 0                              | 25     | 0        |
| 7070    | 8/13        | 58° 40.00'     | -175° 17.96'   | 121       | 7.9                     | 284               | 10  | 37                | 4   | 0                              | 58     | 0        |
| 7071    | 8/13        | 58° 40.00'     | -175° 56.02'   | 76        | 8.0                     | 17                | 1   | 32                | 4   | 0                              | 99     | 0        |
| 7072    | 8/13        | 58° 40.02'     | -176° 16.23'   | 77        | 8.0                     | 85                | 4   | 64                | 8   | 0                              | 74     | 0        |
| 7073    | 8/12        | 58° 40.20'     | -177° 12.79'   | 78        | 7.9                     | 227               | 11  | 82                | 12  | 0                              | 54     | 0        |
| 7074    | 8/12        | 58° 50.01'     | -177° 33.02'   | 75        | 8.0                     | 40                | 3   | 14                | 2   | 0                              | 59     | 0        |
| 7075    | 8/12        | 58° 50.11'     | -177° 52.99'   | 227       | 8.0                     | 416               | 12  | 0                 | 0   | 0                              | 0      | 20       |
| 7076    | 7/25        | 58° 59.97'     | -177° 54.37'   | 76        | 7.9                     | 379               | 11  | 81                | 12  | 0                              | 29     | 0        |
| 7077    | 7/25        | 59° 00.05'     | -178° 13.16'   | 122       | 8.0                     | 735               | 25  | 62                | 8   | 0                              | 44     | 0        |
| 7078    | 7/23        | 59° 10.04'     | -176° 55.70'   | 79        | 7.9                     | 198               | 10  | 61                | 8   | 0                              | 20     | 0        |
| 7079    | 7/24        | 59° 09.91'     | -177° 16.02'   | 83        | 7.9                     | 69                | 4   | 44                | 8   | 0                              | 43     | 0        |
| 7080    | 7/24        | 59° 09.99'     | -177° 33.50'   | 90        | 7.9                     | 415               | 16  | 133               | 19  | 0                              | 34     | 0        |
| 7081    | 7/24        | 59° 10.05'     | -177° 55.17'   | 100       | 8.0                     | 916               | 44  | 166               | 22  | 0                              | 10     | 0        |
| 7082    | 7/25        | 59° 10.34'     | -178° 13.88'   | 76        | 7.9                     | 293               | 14  | 166               | 22  | 0                              | 29     | 0        |
| 7083    | 7/23        | 59° 19.99'     | -176° 56.69'   | 80        | 8.0                     | 823               | 35  | 106               | 15  | 0                              | 0      | 0        |
| 7084    | 7/18        | 59° 20.01'     | -177° 17.18'   | 87        | 7.9                     | 345               | 13  | 57                | 8   | 0                              | 5      | 0        |
| 7085    | 7/18        | 59° 19.98'     | -177° 35.61'   | 142       | 7.9                     | 152               | 8   | 18                | 2   | 0                              | 15     | 0        |
| 7086    | 7/23        | 59° 29.95'     | -176° 38.45'   | 78        | 8.0                     | 104               | 3   | 7                 | 1   | 0                              | 84     | 0        |
| 7087    | 7/22        | 59° 30.01'     | -176° 57.98'   | 83        | 8.0                     | 152               | 8   | 44                | 6   | 0                              | 69     | 0        |
| 7088    | 7/18        | 59° 29.99'     | -177° 18.21'   | 84        | 7.9                     | 626               | 26  | 175               | 23  | 0                              | 54     | 0        |
| 7089    | 7/21        | 59° 29.96'     | -177° 37.14'   | 130       | 8.0                     | 231               | 11  | 75                | 9   | 0                              | 84     | 0        |
| 7090    | 7/21        | 59° 29.98'     | -177° 56.53'   | 211       | 8.0                     | 426               | 17  | 62                | 8   | 5                              | 0      | 10       |
| 7091    | 7/20        | 59° 29.94'     | -178° 16.95'   | 143       | 8.0                     | 388               | 18  | 45                | 5   | 0                              | 10     | 0        |
| 7092    | 7/22        | 59° 40.02'     | -176° 58.92'   | 85        | 7.9                     | 127               | 3   | 24                | 3   | 0                              | 64     | 0        |
| 7093    | 7/22        | 59° 40.02'     | -177° 18.98'   | 113       | 8.0                     | 33                | 2   | 22                | 4   | 0                              | 30     | 0        |
| 7094    | 7/21        | 59° 40.01'     | -177° 38.84'   | 124       | 7.9                     | 1,180             | 33  | 22                | 4   | 0                              | 54     | 0        |
| 7095    | 7/20        | 59° 39.72'     | -177° 58.33'   | 92        | 8.0                     | 1,801             | 78  | 57                | 8   | 0                              | 35     | 0        |
| 7096    | 7/20        | 59° 39.91'     | -178° 18.06'   | 91        | 8.0                     | 1,216             | 55  | 79                | 10  | 0                              | 45     | 0        |
| 7097    | 7/19        | 59° 50.43'     | -178° 00.29'   | 79        | 8.0                     | 307               | 12  | 69                | 10  | 0                              | 45     | 0        |
| 7098    | 7/19        | 59° 49.98'     | -178° 19.07'   | 78        | 8.0                     | 197               | 6   | 49                | 7   | 0                              | 35     | 0        |
| 7099    | 7/19        | 59° 49.86'     | -178° 39.02'   | 83        | 8.0                     | 144               | 8   | 130               | 21  | 0                              | 59     | 0        |

<sup>1</sup> Standard skate = 1,800' groundline with 16/0 circle hooks spaced every 18' on 24"-42" gangions.

<sup>2</sup> Weights are calculated from length-weight tables.

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample.

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## Area 4D

| Station                               | Date Fished | North Latitude | West Longitude | Depth (F) | Skates Set <sup>1</sup> | Legal Halibut     |               | Sublegal Halibut  |              | Bycatch (numbers) <sup>3</sup> |           |              |           |
|---------------------------------------|-------------|----------------|----------------|-----------|-------------------------|-------------------|---------------|-------------------|--------------|--------------------------------|-----------|--------------|-----------|
|                                       |             |                |                |           |                         | Lbs. <sup>2</sup> | #'s           | Lbs. <sup>2</sup> | #'s          | Sablefish                      | P. Cod    | Rockfish     |           |
| 9521                                  | 8/24        | 60° 10.01'     | -172° 19.88'   | 31        | 8.0                     | 892               | 25            | 8                 | 1            | 0                              | 99        | 0            |           |
| 9522                                  | 8/24        | 60° 10.02'     | -172° 41.00'   | 28        | 7.9                     | 325               | 15            | 18                | 3            | 0                              | 49        | 0            |           |
| 9523                                  | 8/24        | 60° 20.02'     | -172° 04.08'   | 31        | 7.9                     | 0                 | 0             | 0                 | 0            | 0                              | 34        | 0            |           |
| 9524                                  | 8/22        | 60° 19.92'     | -172° 45.92'   | 10        | 8.0                     | 480               | 19            | 15                | 2            | 0                              | 0         | 0            |           |
| 9525                                  | 8/22        | 60° 20.04'     | -173° 03.96'   | 28        | 8.0                     | 295               | 11            | 0                 | 0            | 0                              | 40        | 0            |           |
| 9526                                  | 8/23        | 60° 29.98'     | -172° 26.01'   | 29        | 8.0                     | 863               | 33            | 29                | 3            | 0                              | 371       | 0            |           |
| 9527                                  | 8/23        | 60° 30.03'     | -172° 45.00'   | 18        | 8.0                     | 255               | 5             | 0                 | 0            | 0                              | 5         | 0            |           |
| 9528                                  | 8/22        | 60° 30.00'     | -173° 07.13'   | 12        | 8.0                     | 800               | 31            | 98                | 13           | 0                              | 0         | 0            |           |
| 9530                                  | 8/23        | 60° 40.00'     | -172° 47.05'   | 23        | 7.9                     | 225               | 8             | 0                 | 0            | 0                              | 363       | 0            |           |
| <b>58 Total Effective 4D Stations</b> |             |                |                |           |                         | <b>Totals</b>     | <b>22,761</b> | <b>940</b>        | <b>3,041</b> | <b>413</b>                     | <b>10</b> | <b>2,871</b> | <b>98</b> |

<sup>1</sup> Standard skate = 1,800' groundline with 16/0 circle hooks spaced every 18' on 24"-42" gangions.

<sup>2</sup> Weights are calculated from length-weight tables.

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample.