



South Coast Creel Survey Bulletin #2 – June 2011

Overview:

This bulletin provides a monthly update on estimates of recreational fishing effort and fin fish catch in the marine waters of southern British Columbia (Pacific Fishery Management Areas 11 through 29 and 121 to 127). These estimates are generated from data collected by the DFO's South Coast Creel Survey. A brief overview of the survey, the study area and methods used to collect data and generate these estimates is provided in the first bulletin of 2011, available on the DFO *ExtraNet*:

http://www-ops2.pac.dfo-mpo.gc.ca/xnet/content/salmon/sc_creelbulletins

*The estimates presented in this bulletin are based on **in-season data** and should be interpreted as **preliminary** and **subject to revision** as the data are finalized.*

Recreational Fishery Links:

It is your responsibility to know the current fishing regulations prior to fishing. A listing of recreational fishing regulations can be viewed at the Fisheries and Oceans Canada Pacific Region Recreational Fishery webpage:

<http://www.pac.dfo-mpo.gc.ca/fm-gp/rec/index-eng.htm>

In addition, Fisheries and Oceans fishery notices of in-season regulation updates can be viewed at:

<http://ops.info.pac.dfo.ca/fishman/fnotice/fnotice.htm>

Creel Survey Data:

A summary of survey statistics and preliminary recreation effort (boat trips) by Pacific Fishery Management Area (PFMA) are presented in Table 1 (attached). A map of PFMA's is available in the 2011-2013 British Columbia Tidal Waters Sport Fishing Guide.

Recreational Catch Estimates:

A summary of preliminary kept and released catch estimates for key species by PFMA are presented in Table 2 and 3 (attached). Regional kept catch totals for June relative to recent 5-year averages are presented in Figures 1 through 4 (attached). A map of PFMA's is available in the 2011-2013 British Columbia Tidal Waters Sport Fishing Guide.

Contacts:

For additional information on the South Coast Creel Survey Programs, please contact:

Johnstone Strait and North Island Surveys (PFMA's 11, 12, 27, & 127)
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Strait of Georgia Survey (PFMA's 13 – 20, 28 & 29)
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West Coast Vancouver Island Survey (PFMA's 20 – 26 & 121 – 126)
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Table 1 Creel survey statistics (interviews and number of flights) and preliminary effort estimates (number of boat trips) by Pacific Fishery Management Area, June 2011.

| Pacific Fishery Management Area (PFMA) | Number of Creel Interviews | Number of Effort Count Flights ¹ | Effort | |
|--|----------------------------|---|---------------|------------------|
| | | | Estimate | %SE ² |
| 11 | 75 | 5 | 227 | 25% |
| 12 | 316 | 5 | 1,931 | 17% |
| 13 | 91 | 8 | 2,006 | 15% |
| 14 | 59 | 8 | 860 | 8% |
| 15 | 17 | 8 | 189 | 20% |
| 16 | 32 | 8 | 291 | 18% |
| 17 | 126 | 8 | 1,429 | 11% |
| 18 | 32 | 8 | 207 | 16% |
| 19 | 130 | 8 | 1,242 | 11% |
| 20 | 283 | 7 | 2,933 | 30% |
| 21 | 1 | 4 | 7 | 27% |
| 121 | 29 | 5 | 158 | 25% |
| 23 | 439 | 5 | 3,161 | |
| 123 | 72 | 5 | 361 | 16% |
| 24 | 18 | 5 | 33 | 38% |
| 124 | 54 | 5 | 403 | 20% |
| 25 | | Survey begins July 1 | | |
| 125 | | Survey begins July 1 | | |
| 26 | | Lodge Manifest & Logbook Data Only | | |
| 126 | | Lodge Manifest & Logbook Data Only | | |
| 27 | 145 | 5 | 298 | 50% |
| 127 | 54 | 4 | 251 | 43% |
| 28 | 29 | 8 | 717 | 13% |
| 29 | 10 | 8 | 727 | 20% |
| Totals ³ | 2,012 | | 17,431 | |

¹ The number of flights where weather conditions allowed effort counts, not including on-water counts

² %SE is a measure of uncertainty; one Standard Error as a percentage of the estimate.

³ Individual flights cover multiple PFMA's, so an additive total is not appropriate



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Table 2 Preliminary recreational kept catch (pieces) estimates for key species by Pacific Fishery Management Area (PFMA), June 2011. Percent standard error (%SE; one standard error as a percentage of the estimate), a measure of uncertainty, is indicated for estimates from PFMA's where they are calculated in-season.

| Pacific Fishery Management Area (PFMA) | Chinook | | Coho | | Sockeye | | Halibut | | Lincod | | Rockfish ¹ | |
|--|---------------|-----|--------------|-----|---------------|-----|--------------|------|--------------|------|-----------------------|------|
| | Estimate | %SE | Estimate | %SE | Estimate | %SE | Estimate | %SE | Estimate | %SE | Estimate | %SE |
| 11 | 490 | 23% | 59 | 31% | | | 344 | 27% | 112 | 37% | 384 | 20% |
| 12 | 498 | 19% | 13 | 64% | | | 445 | 24% | 192 | 35% | 527 | 18% |
| 13 | 2,237 | 25% | | | | | 40 | 104% | 50 | 52% | 40 | 113% |
| 14 | 242 | 23% | | | | | 9 | 95% | 9 | 70% | | |
| 15 | 134 | 37% | | | | | | | 29 | 58% | 50 | 52% |
| 16 | 15 | 44% | | | | | | | 79 | 29% | 170 | 23% |
| 17 | 822 | 15% | | | | | | | 131 | 29% | 86 | 33% |
| 18 | | | | | | | | | | | | |
| 19 | 304 | 28% | | | | | 65 | 47% | 52 | 69% | 362 | 31% |
| 20 | 1,005 | 24% | 23 | 92% | | | 168 | 74% | 28 | 47% | 452 | 46% |
| 21 | | | | | | | | | | | | |
| 121 | 838 | 20% | 151 | 41% | | | 383 | 35% | 3 | 131% | 32 | 50% |
| 23 | 1,066 | 19% | 88 | 26% | 21,721 | | 90 | 69% | 29 | 52% | 97 | 42% |
| 123 | 1,537 | 18% | 220 | 41% | | | 538 | 22% | 29 | 52% | 63 | 62% |
| 24 | 28 | 57% | 13 | 91% | | | 49 | 53% | 134 | 62% | 131 | 39% |
| 124 | 2,120 | 14% | 94 | 36% | | | 626 | 25% | 20 | 63% | 67 | 63% |
| 25 | | | | | | | | | | | | |
| 125 | | | | | | | | | | | | |
| 26 ² | 103 | | 6 | | | | 15 | | 36 | | 36 | |
| 126 ² | 63 | | 39 | | | | 51 | | 79 | | 57 | |
| 27 | 344 | 47% | 600 | 50% | | | 116 | 62% | 116 | 55% | 268 | 45% |
| 127 | 284 | 46% | 81 | 65% | | | 451 | 48% | 884 | 47% | 542 | 43% |
| 28 | | | | | | | | | | | | |
| 29 | 419 | 30% | | | | | | | 10 | 121% | 11 | 144% |
| Kept Total ³ | 12,549 | | 1,385 | | 21,721 | | 3,393 | | 2,022 | | 3,374 | |

¹ All rockfishes; including those not identified to species

² Sum of currently received manifest and logbook reported catches, not a complete estimate of June kept catch

³ Including only those areas with in-season estimates this month.



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Table 3 Preliminary recreational released catch (pieces) estimates for key species by Pacific Fishery Management Area (PFMA), June 2011. Percent standard error (%SE; one standard error as a percentage of the estimate), a measure of uncertainty, is indicated for estimates from PFMA's where they are calculated in-season.

| Pacific Fishery Management Area (PFMA) | Chinook | | Coho | | Sockeye | | Halibut | | Lincod | | Rockfish ¹ | |
|--|--------------|-----|------------|------|------------|-----|------------|------|--------------|------|-----------------------|------|
| | Estimate | %SE | Estimate | %SE | Estimate | %SE | Estimate | %SE | Estimate | %SE | Estimate | %SE |
| 11 | 222 | 29% | 8 | 64% | | | 114 | 34% | 119 | 33% | 97 | 35% |
| 12 | 264 | 25% | 23 | 80% | | | 136 | 43% | 634 | 30% | 1,444 | 19% |
| 13 | 335 | 37% | | | | | | | 380 | 50% | 41 | 117% |
| 14 | 396 | 39% | | | | | | | 164 | 34% | 108 | 45% |
| 15 | 28 | 89% | | | | | | | 51 | 53% | 5 | 109% |
| 16 | 3 | 84% | | | | | | | 286 | 24% | 130 | 46% |
| 17 | 837 | 19% | 31 | 80% | | | | | 850 | 28% | 491 | 21% |
| 18 | | | | | | | | | 118 | 49% | 187 | 41% |
| 19 | 102 | 47% | | | | | | | 435 | 30% | 666 | 27% |
| 20 | 608 | 39% | 22 | 69% | | | 77 | 127% | 953 | 46% | 1,049 | 53% |
| 21 | | | | | | | | | | | | |
| 121 | 268 | 37% | 130 | 68% | | | 104 | 61% | 4 | 131% | 16 | 91% |
| 23 | 610 | 30% | 120 | 55% | 558 | 43% | 60 | 70% | 31 | 36% | 34 | 64% |
| 123 | 1,781 | 23% | 184 | 43% | | | 28 | 61% | 97 | 47% | 4 | 78% |
| 24 | 12 | 80% | 2 | 100% | | | 3 | 111% | 9 | 105% | 4 | 122% |
| 124 | 923 | 22% | 40 | 59% | | | 60 | 40% | 38 | 58% | | |
| 25 | | | | | | | | | | | | |
| 125 | | | | | | | | | | | | |
| 26 ² | 41 | | 6 | | | | 14 | | 17 | | 3 | |
| 126 ² | 76 | | 101 | | | | 37 | | 50 | | 9 | |
| 27 | 100 | 59% | 220 | 50% | | | 40 | 91% | 60 | 68% | 51 | 66% |
| 127 | 35 | 79% | 73 | 86% | | | 51 | 101% | 29 | 90% | 11 | 125% |
| 28 | 55 | 55% | | | | | | | | | | |
| 29 | 243 | 43% | | | | | | | 71 | 50% | 42 | 100% |
| Released Total ² | 6,938 | | 961 | | 558 | | 725 | | 4,397 | | 4,392 | |

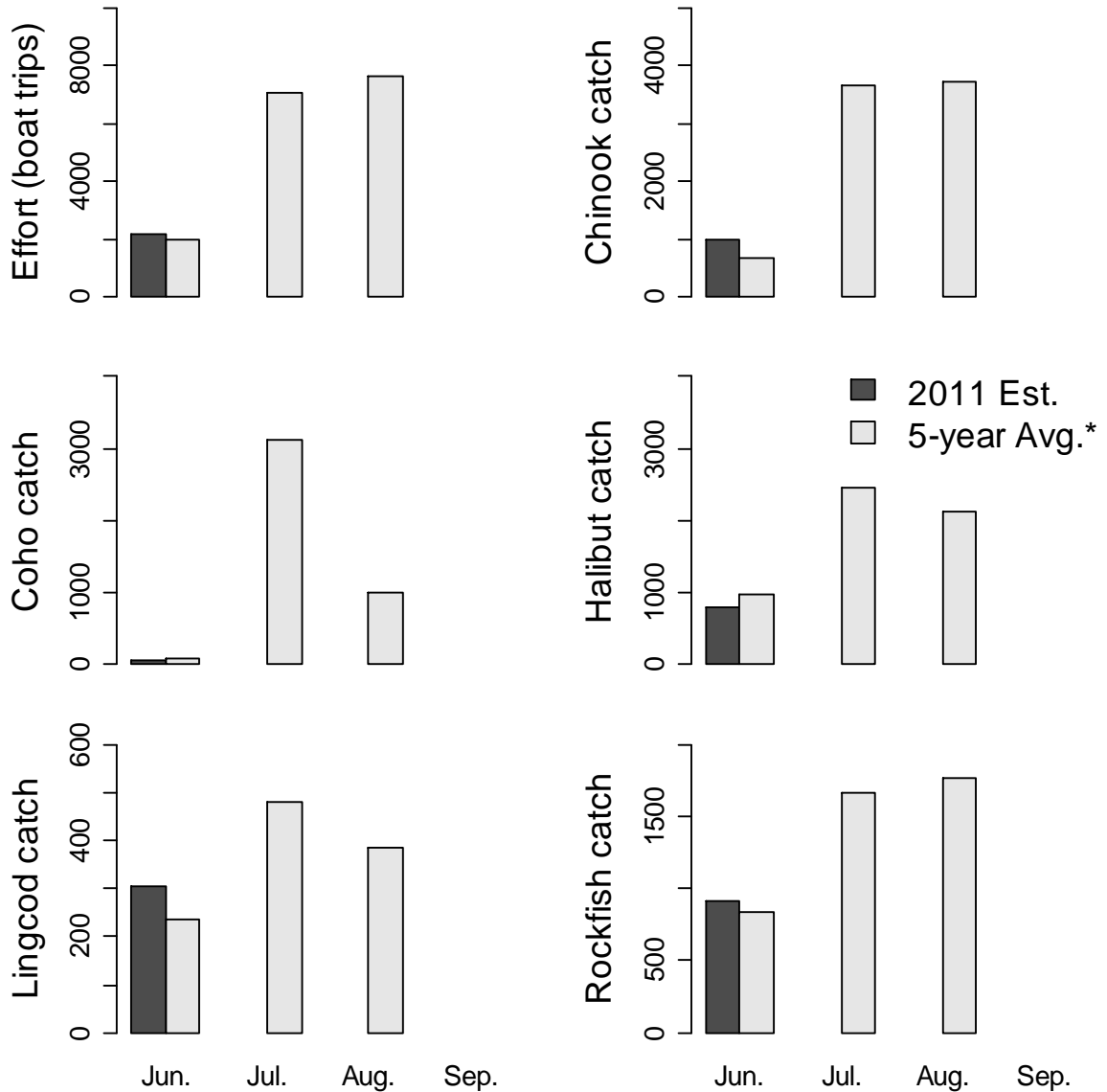
¹ All rockfishes; including those not identified to species

² Sum of currently received manifest and logbook reported catches, not a complete estimate of June released catch

³ Including only those areas with in-season estimates this month.



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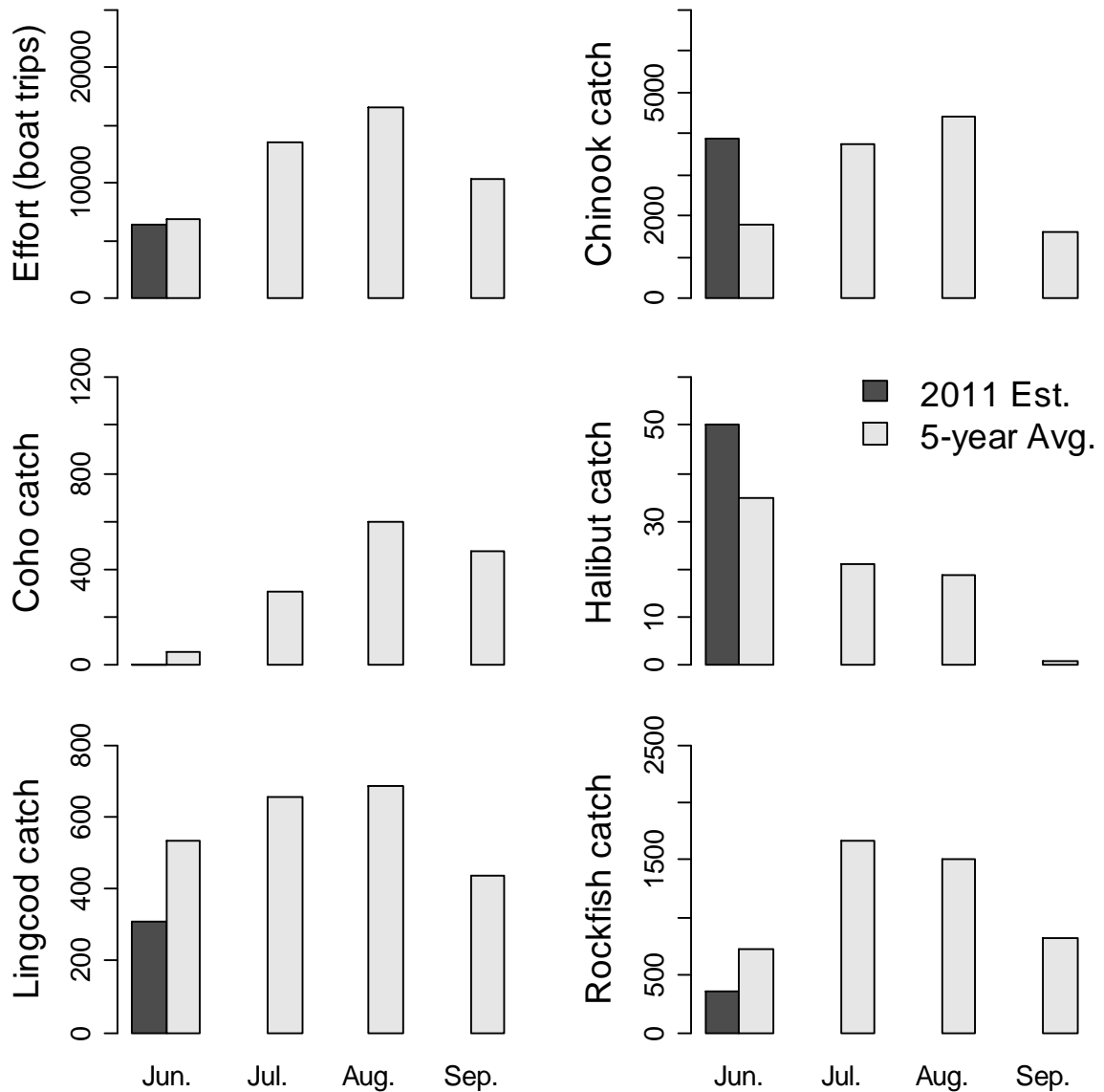


Monthly estimates - Johnstone Strait (PFMA 11,12)

Figure 1 Monthly estimates of effort and kept catch by species in 2011 (dark bars) and the average over the last five years (2006 to 2010 average, light bars) in July and August or past estimates from the last three years (2008 to 2010) in June for Johnstone Strait (PFMA 11, 12).



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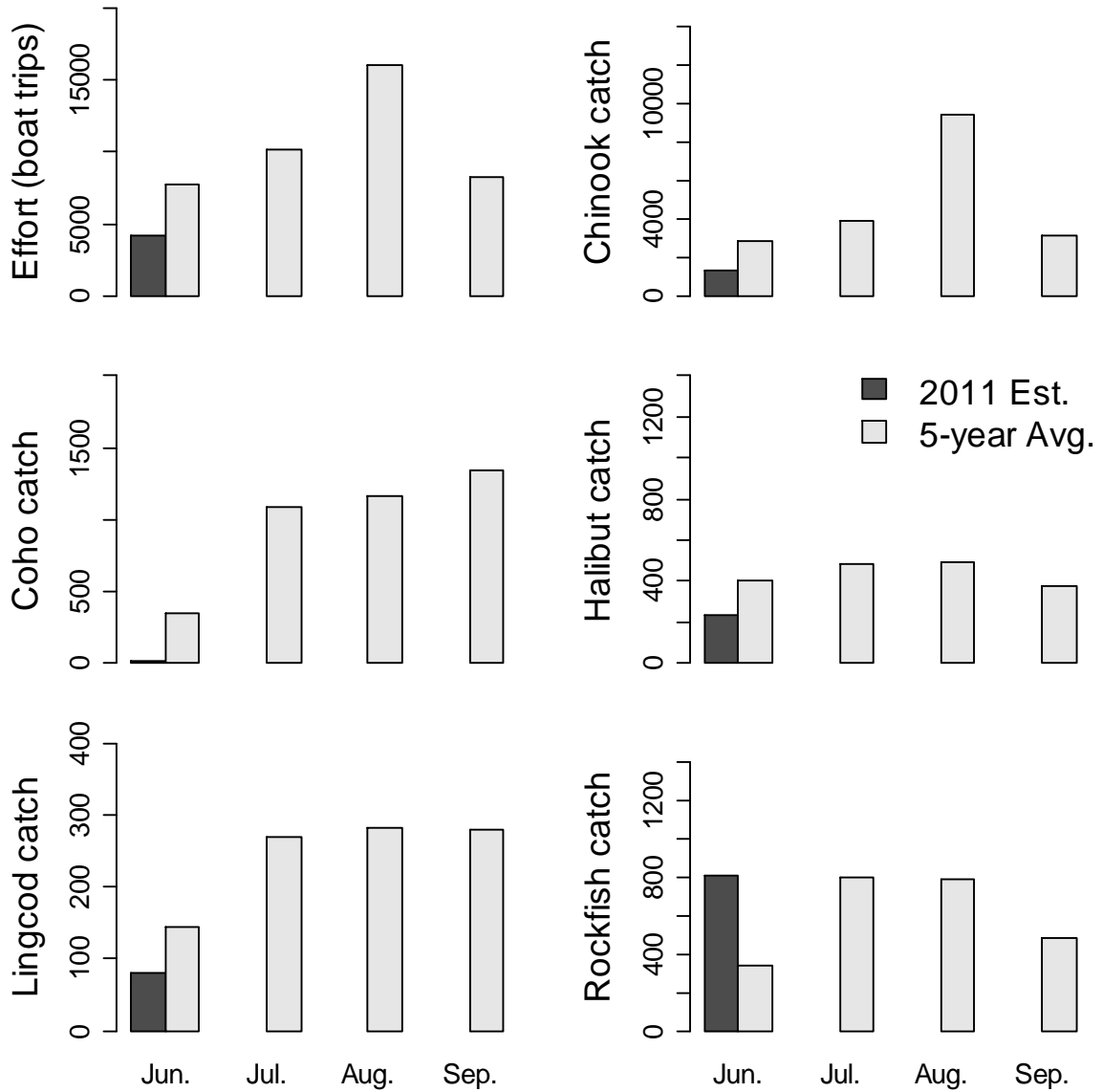


Monthly estimates - Strait of Georgia (PFMA 13-18,28,29)

Figure 2 Monthly estimates of effort and kept catch by species in 2011 (dark bars) and the average over the last five years (2006 to 2010 average, light bars) for Strait of Georgia (PFMA 13 – 18, 28 & 29).



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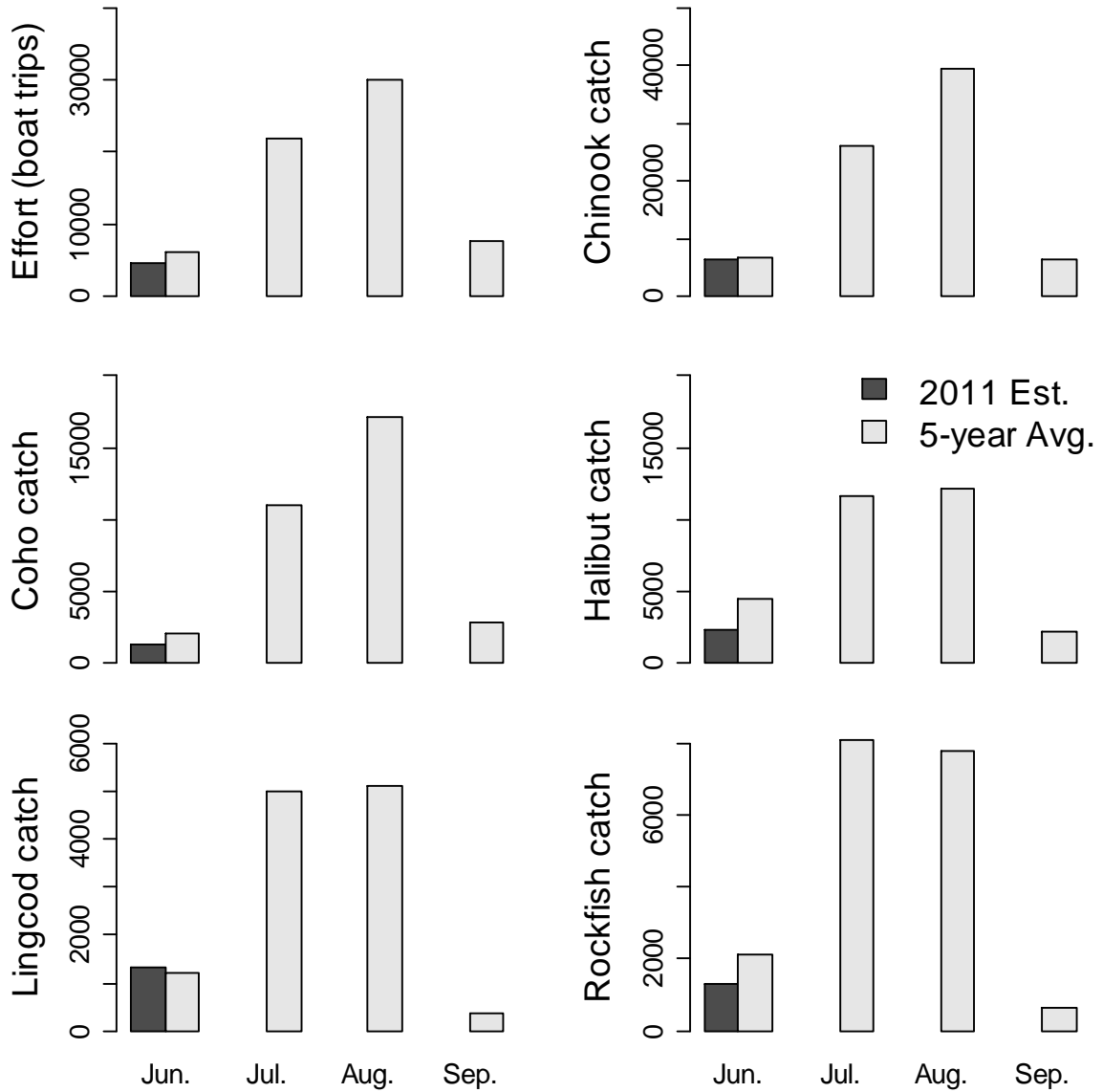


Monthly estimates - Juan de Fuca Strait (PFMA 19-20)

Figure 3 Monthly estimates of effort and kept catch by species in 2011 (dark bars) and the average over the last five years (2006 to 2010 average, light bars) for Juan de Fuca Strait (PFMA 19 and 20).



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Monthly estimates - WCVI (PFMA 21,23-27,121-127)

Figure 4 Monthly estimates of effort and kept catch by species in 2011 (dark bars) and the average over the last five years (2006 to 2010 average, light bars) for the WCVI Creel Survey (PFMA's 21, 23-27, 121-127).