Beaufort Report Summary of 2022 Season

#### Jonah Bacon

#### October 01, 2022

Season Effort

The total number of hours fished by each site is first divided by 24 to convert hours to days, then divided by 2. This converts cod-end nights (2 per station) to station nights (station nights = net nights; for our purposes here they are the same). A ‘Net Night’ is defined as the number of 24 hour periods fished across the entire season. One net night = 24 hours of fishing by any station. For example, if Station 230 fishes for 24 hours, that site produces 1 net night in that 24 hour period.

In 2022, there were 176.6 “net nights” among all four sampling stations.

At Station 230, there were 48.9 net nights, 49.7 net nights at Station 214, 39.7 net nights at Station 218, and 39.7 net nights at Station 218.

| Station | Effort\_netnights |
| --- | --- |
| 214 | 49.7 |
| 218 | 39.7 |
| 220 | 38.3 |
| 230 | 48.9 |

Catch Summary - All Species

## `summarise()` has grouped output by 'Year'. You can override using the  
## `.groups` argument.

| Year | ARCD | ARCH | ARCS | ARFL | BDWF | BRBT | BRCS | CAPE | CHUM | DLVN | ELPT | FHSC | GRAY |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2001 | 16,242 | 0 | 13,361 | 12,713 | 5,146 | 0 | 21 | 0 | 4 | 2,618 | 1 | 6,277 | 12 |
| 2002 | 425,461 | 0 | 4,493 | 7,094 | 3,558 | 0 | 1 | 1 | 3 | 1,478 | 0 | 4,403 | 12 |
| 2003 | 38,361 | 0 | 5,563 | 10,868 | 7,224 | 0 | 0 | 29 | 4 | 1,597 | 0 | 11,553 | 22 |
| 2004 | 8,178 | 0 | 3,026 | 11,976 | 9,368 | 0 | 0 | 87 | 1 | 1,867 | 0 | 12,731 | 20 |
| 2005 | 15,905 | 0 | 2,394 | 6,911 | 6,713 | 2 | 0 | 61 | 1 | 3,195 | 0 | 6,263 | 22 |
| 2006 | 5,848 | 0 | 1,389 | 6,930 | 4,600 | 0 | 0 | 87 | 0 | 2,378 | 0 | 6,238 | 16 |
| 2007 | 1,973 | 0 | 42,906 | 8,304 | 4,260 | 0 | 4 | 36 | 1 | 2,462 | 0 | 10,539 | 73 |
| 2008 | 840 | 0 | 24,091 | 9,997 | 9,733 | 0 | 4 | 90 | 4 | 2,742 | 0 | 10,784 | 306 |
| 2009 | 890 | 0 | 47,411 | 8,450 | 9,542 | 0 | 6 | 287 | 2 | 1,941 | 0 | 9,994 | 7 |
| 2010 | 832 | 0 | 8,907 | 9,687 | 8,803 | 0 | 14 | 1 | 0 | 1,233 | 0 | 9,182 | 81 |
| 2011 | 429 | 0 | 44,396 | 7,501 | 2,187 | 0 | 2 | 63 | 3 | 924 | 0 | 7,212 | 33 |
| 2012 | 411 | 0 | 6,683 | 11,484 | 15,894 | 0 | 1 | 23 | 0 | 415 | 0 | 6,548 | 31 |
| 2013 | 5,588 | 0 | 7,409 | 17,298 | 24,978 | 1 | 0 | 38 | 0 | 1,382 | 0 | 8,237 | 7 |
| 2014 | 7,172 | 0 | 16,827 | 8,770 | 13,140 | 6 | 0 | 12 | 0 | 2,678 | 0 | 6,379 | 31 |
| 2015 | 4,777 | 0 | 5,532 | 8,842 | 6,004 | 3 | 1 | 15 | 1 | 2,277 | 0 | 4,547 | 37 |
| 2016 | 47,328 | 0 | 5,616 | 13,058 | 14,316 | 2 | 0 | 68 | 4 | 636 | 0 | 6,582 | 22 |
| 2017 | 2,008 | 1 | 2,981 | 16,486 | 19,345 | 2 | 0 | 42 | 2 | 684 | 0 | 8,464 | 102 |
| 2018 | 13,251 | 0 | 12,172 | 10,549 | 9,248 | 3 | 0 | 10 | 2 | 1,895 | 0 | 5,741 | 13 |
| 2019 | 510 | 0 | 6,538 | 7,640 | 8,744 | 4 | 0 | 13 | 10 | 321 | 0 | 3,643 | 10 |
| 2020 | 234 | 0 | 648 | 2,688 | 1,372 | 0 | 0 | 15 | 0 | 40 | 0 | 1,060 | 6 |
| 2021 | 833 | 0 | 4,428 | 11,371 | 6,863 | 0 | 0 | 4 | 0 | 731 | 0 | 4,917 | 23 |
| 2022 | 843 | 0 | 6,466 | 5,200 | 7,550 | 0 | 0 | 15 | 0 | 880 | 0 | 4,416 | 178 |

| Year | HBWF | HYCS | KPGL | KPSF | LIPA | LNSK | LSCS | NNSB | PCHG | PINK | RBSM | RDWF | RKGL |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2001 | 1,357 | 6 | 0 | 0 | 1 | 0 | 17,197 | 51 | 2 | 0 | 11,327 | 217 | 0 |
| 2002 | 901 | 0 | 0 | 0 | 0 | 0 | 15,300 | 71 | 2 | 8 | 5,389 | 412 | 0 |
| 2003 | 3,428 | 0 | 0 | 0 | 56 | 0 | 29,744 | 369 | 91 | 29 | 4,870 | 935 | 0 |
| 2004 | 3,097 | 0 | 0 | 0 | 2 | 0 | 27,385 | 559 | 41 | 29 | 3,203 | 395 | 0 |
| 2005 | 2,924 | 4 | 0 | 0 | 0 | 0 | 14,481 | 773 | 2 | 29 | 2,225 | 185 | 0 |
| 2006 | 1,737 | 5 | 0 | 0 | 0 | 0 | 24,036 | 302 | 8 | 7 | 2,773 | 427 | 0 |
| 2007 | 2,612 | 0 | 0 | 0 | 1 | 0 | 6,801 | 3,046 | 35 | 3 | 1,956 | 434 | 0 |
| 2008 | 2,085 | 0 | 0 | 0 | 5 | 0 | 8,502 | 99 | 114 | 284 | 3,978 | 399 | 0 |
| 2009 | 514 | 0 | 0 | 0 | 0 | 0 | 7,097 | 25 | 82 | 6 | 3,203 | 20 | 3 |
| 2010 | 1,382 | 0 | 0 | 0 | 0 | 0 | 11,089 | 18 | 2 | 18 | 2,489 | 187 | 0 |
| 2011 | 1,032 | 0 | 0 | 0 | 1 | 0 | 6,147 | 53 | 7 | 3 | 1,048 | 518 | 0 |
| 2012 | 1,340 | 0 | 0 | 0 | 0 | 0 | 10,210 | 237 | 6 | 1 | 5,825 | 352 | 0 |
| 2013 | 1,937 | 0 | 0 | 0 | 2 | 1 | 10,222 | 585 | 4 | 1 | 9,891 | 209 | 0 |
| 2014 | 2,706 | 0 | 0 | 0 | 1 | 0 | 12,692 | 122 | 4 | 8 | 5,076 | 661 | 0 |
| 2015 | 1,129 | 0 | 0 | 0 | 0 | 0 | 5,899 | 363 | 0 | 26 | 4,025 | 416 | 0 |
| 2016 | 1,554 | 0 | 2 | 0 | 6 | 0 | 8,207 | 1,658 | 41 | 25 | 3,694 | 408 | 6 |
| 2017 | 1,651 | 8 | 0 | 4 | 0 | 0 | 6,923 | 393 | 40 | 31 | 4,669 | 700 | 0 |
| 2018 | 1,243 | 1 | 0 | 0 | 0 | 0 | 10,414 | 269 | 6 | 22 | 5,755 | 579 | 0 |
| 2019 | 1,272 | 0 | 0 | 0 | 0 | 0 | 5,821 | 84 | 76 | 417 | 4,399 | 294 | 0 |
| 2020 | 330 | 0 | 0 | 0 | 0 | 0 | 2,079 | 6 | 158 | 98 | 767 | 0 | 0 |
| 2021 | 1,813 | 1 | 0 | 0 | 0 | 0 | 7,645 | 25 | 73 | 3 | 5,267 | 140 | 0 |
| 2022 | 1,598 | 0 | 0 | 0 | 0 | 0 | 3,373 | 36 | 6 | 3 | 8,609 | 23 | 0 |

| Year | SFCD | SHSC | SLEB | SLSC | SOCK | STFL | THSB | UNKN | WOLF | WSGL |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2001 | 1,733 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 74 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 2003 | 250 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 |
| 2004 | 122 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 1 | 0 |
| 2005 | 452 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 2006 | 782 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 |
| 2007 | 575 | 0 | 0 | 0 | 0 | 0 | 42 | 0 | 0 | 0 |
| 2008 | 4,193 | 0 | 0 | 0 | 0 | 0 | 123 | 0 | 0 | 0 |
| 2009 | 6,568 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 1 | 0 |
| 2010 | 2,341 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 |
| 2011 | 1,863 | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| 2012 | 5,717 | 0 | 0 | 0 | 0 | 0 | 27 | 1 | 0 | 0 |
| 2013 | 12,519 | 0 | 1 | 0 | 0 | 0 | 13 | 0 | 1 | 0 |
| 2014 | 6,381 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 |
| 2015 | 838 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2016 | 1,691 | 0 | 0 | 4 | 0 | 0 | 120 | 0 | 0 | 0 |
| 2017 | 1,822 | 1 | 0 | 0 | 1 | 0 | 54 | 0 | 0 | 2 |
| 2018 | 2,831 | 0 | 0 | 1 | 0 | 0 | 52 | 0 | 0 | 0 |
| 2019 | 752 | 0 | 0 | 0 | 0 | 2 | 600 | 0 | 0 | 48 |
| 2020 | 35,047 | 0 | 0 | 0 | 0 | 1 | 56 | 0 | 0 | 19 |
| 2021 | 13,709 | 0 | 0 | 0 | 1 | 0 | 48 | 0 | 0 | 0 |
| 2022 | 1,176 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 |

Individual Species Summaries

## `summarise()` has grouped output by 'Station'. You can override using the  
## `.groups` argument.  
## Joining, by = "LengthGroup"  
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## `.groups` argument.  
## `summarise()` has grouped output by 'LG'. You can override using the `.groups`  
## argument.

Broad Whitefish

2022 - All Sites and Length Groups combined

| TotalCatch | MeanLength | LengthRange |
| --- | --- | --- |
| 7,550 | 163.6 | 40-503 |

2022 - By Station & Length Group

| Station | LengthGroup | TotalCatch | CPUE\_netnight |
| --- | --- | --- | --- |
| 214 | 1 | 2,504 | 50.4 |
| 214 | 2 | 753 | 15.2 |
| 214 | 3 | 305 | 6.1 |
| 218 | 1 | 279 | 7.0 |
| 218 | 2 | 108 | 2.7 |
| 218 | 3 | 190 | 4.8 |
| 220 | 1 | 194 | 5.1 |
| 220 | 2 | 47 | 1.2 |
| 220 | 3 | 219 | 5.7 |
| 230 | 1 | 2,086 | 42.7 |
| 230 | 2 | 577 | 11.8 |
| 230 | 3 | 288 | 5.9 |

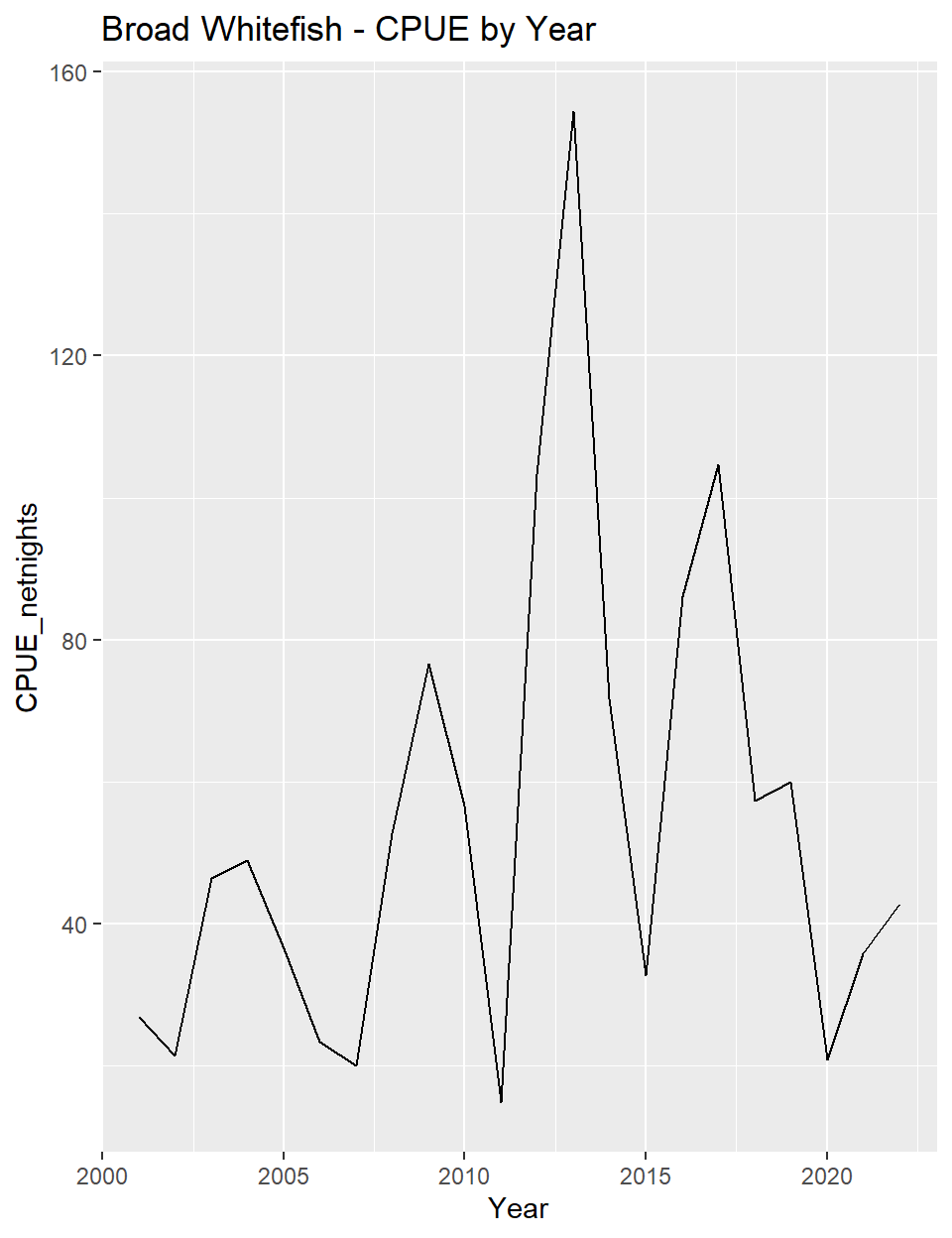
2022 - By Station

| Station | TotalCatch | CPUE\_netnight |
| --- | --- | --- |
| 214 | 3,562 | 71.7 |
| 218 | 577 | 14.5 |
| 220 | 460 | 12.0 |
| 230 | 2,951 | 60.3 |

2022 - By Length Group, All Sites Combined

| LengthGroup | TotalCatch | CPUE\_netnight | MeanLength\_mm | MinLength\_mm | MaxLength\_mm |
| --- | --- | --- | --- | --- | --- |
| 1 | 5,063 | 28.7 | 95.5 | 40 | 119 |
| 2 | 1,485 | 8.4 | 158.5 | 120 | 249 |
| 3 | 1,002 | 5.7 | 345.7 | 250 | 503 |

|  | CPUE\_netnights | Catch | Catch Rank | CPUE Rank |
| --- | --- | --- | --- | --- |
| 2001 | 26.9 | 5,146 | 6 | 6 |
| 2002 | 21.4 | 3,558 | 3 | 4 |
| 2003 | 46.4 | 7,224 | 10 | 11 |
| 2004 | 48.9 | 9,368 | 15 | 12 |
| 2005 | 36.4 | 6,713 | 8 | 9 |
| 2006 | 23.3 | 4,600 | 5 | 5 |
| 2007 | 19.9 | 4,260 | 4 | 2 |
| 2008 | 52.7 | 9,733 | 17 | 13 |
| 2009 | 76.5 | 9,542 | 16 | 18 |
| 2010 | 56.6 | 8,803 | 13 | 14 |
| 2011 | 14.8 | 2,187 | 2 | 1 |
| 2012 | 103.3 | 15,894 | 20 | 20 |
| 2013 | 154.5 | 24,978 | 22 | 22 |
| 2014 | 71.7 | 13,140 | 18 | 17 |
| 2015 | 32.7 | 6,004 | 7 | 7 |
| 2016 | 86.1 | 14,316 | 19 | 19 |
| 2017 | 104.7 | 19,345 | 21 | 21 |
| 2018 | 57.4 | 9,248 | 14 | 15 |
| 2019 | 59.9 | 8,744 | 12 | 16 |
| 2020 | 20.9 | 1,372 | 1 | 3 |
| 2021 | 35.8 | 6,863 | 9 | 8 |
| 2022 | 42.8 | 7,550 | 11 | 10 |



Three Year Comparison

| Group | Year | MeanLength\_mm | TotalCatch | Netnights | CPUE\_netnights |
| --- | --- | --- | --- | --- | --- |
| 1 | 2020 | 107.7 | 491 | 65.8 | 7.5 |
| 1 | 2021 | 76.4 | 3,194 | 191.7 | 16.7 |
| 1 | 2022 | 95.5 | 5,063 | 176.6 | 28.7 |
| 2 | 2020 | 189.5 | 594 | 65.8 | 9.0 |
| 2 | 2021 | 174.7 | 2,180 | 191.7 | 11.4 |
| 2 | 2022 | 158.5 | 1,485 | 176.6 | 8.4 |
| 3 | 2020 | 337.7 | 287 | 65.8 | 4.4 |
| 3 | 2021 | 328.1 | 1,489 | 191.7 | 7.8 |
| 3 | 2022 | 345.7 | 1,002 | 176.6 | 5.7 |

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## `summarise()` has grouped output by 'LG'. You can override using the `.groups`  
## argument.

Arctic Cisco

2022 - All Sites and Length Groups combined

| TotalCatch | MeanLength | LengthRange |
| --- | --- | --- |
| 6,466 | 168.1 | 48-414 |

2022 - By Station & Length Group

| Station | LengthGroup | TotalCatch | CPUE\_netnight |
| --- | --- | --- | --- |
| 214 | 1 | 1,202 | 24.2 |
| 214 | 2 | 1,917 | 38.6 |
| 214 | 3 | 280 | 5.6 |
| 218 | 1 | 280 | 7.1 |
| 218 | 2 | 331 | 8.3 |
| 218 | 3 | 365 | 9.2 |
| 220 | 1 | 47 | 1.2 |
| 220 | 2 | 91 | 2.4 |
| 220 | 3 | 143 | 3.7 |
| 230 | 1 | 1,079 | 22.1 |
| 230 | 2 | 527 | 10.8 |
| 230 | 3 | 204 | 4.2 |

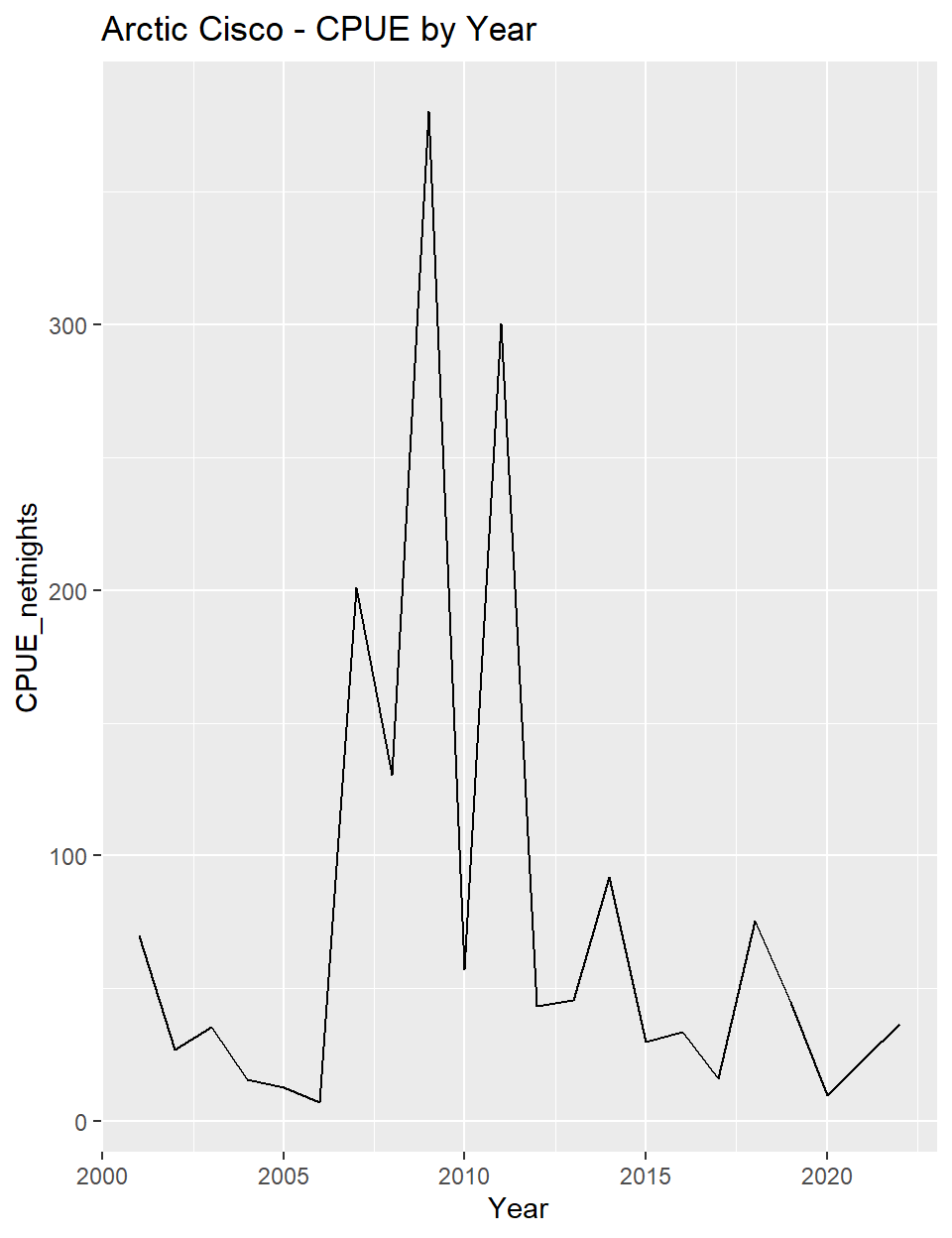
2022 - By Station

| Station | TotalCatch | CPUE\_netnight |
| --- | --- | --- |
| 214 | 3,399 | 68.4 |
| 218 | 976 | 24.6 |
| 220 | 281 | 7.3 |
| 230 | 1,810 | 37.0 |

2022 - By Length Group, All Sites Combined

| LengthGroup | TotalCatch | CPUE\_netnight | MeanLength\_mm | MinLength\_mm | MaxLength\_mm |
| --- | --- | --- | --- | --- | --- |
| 1 | 2,608 | 14.8 | 105.2 | 48 | 119 |
| 2 | 2,866 | 16.2 | 157.8 | 120 | 247 |
| 3 | 992 | 5.6 | 299.6 | 250 | 414 |

|  | CPUE\_netnights | Catch | Catch Rank | CPUE Rank |
| --- | --- | --- | --- | --- |
| 2001 | 69.9 | 13,361 | 17 | 16 |
| 2002 | 27.0 | 4,493 | 7 | 7 |
| 2003 | 35.7 | 5,563 | 9 | 10 |
| 2004 | 15.8 | 3,026 | 5 | 4 |
| 2005 | 13.0 | 2,394 | 3 | 3 |
| 2006 | 7.0 | 1,389 | 2 | 1 |
| 2007 | 200.9 | 42,906 | 20 | 20 |
| 2008 | 130.5 | 24,091 | 19 | 19 |
| 2009 | 380.3 | 47,411 | 22 | 22 |
| 2010 | 57.3 | 8,907 | 15 | 15 |
| 2011 | 300.1 | 44,396 | 21 | 21 |
| 2012 | 43.5 | 6,683 | 13 | 12 |
| 2013 | 45.8 | 7,409 | 14 | 14 |
| 2014 | 91.9 | 16,827 | 18 | 18 |
| 2015 | 30.2 | 5,532 | 8 | 8 |
| 2016 | 33.8 | 5,616 | 10 | 9 |
| 2017 | 16.1 | 2,981 | 4 | 5 |
| 2018 | 75.5 | 12,172 | 16 | 17 |
| 2019 | 44.8 | 6,538 | 12 | 13 |
| 2020 | 9.9 | 648 | 1 | 2 |
| 2021 | 23.1 | 4,428 | 6 | 6 |
| 2022 | 36.6 | 6,466 | 11 | 11 |



Three Year Comparison

| Group | Year | MeanLength\_mm | TotalCatch | Netnights | CPUE\_netnights |
| --- | --- | --- | --- | --- | --- |
| 1 | 2020 | 108.5 | 71 | 65.8 | 1.1 |
| 1 | 2021 | 106.4 | 962 | 191.7 | 5.0 |
| 1 | 2022 | 105.2 | 2,608 | 176.6 | 14.8 |
| 2 | 2020 | 196.2 | 453 | 65.8 | 6.9 |
| 2 | 2021 | 162.6 | 2,275 | 191.7 | 11.9 |
| 2 | 2022 | 157.8 | 2,866 | 176.6 | 16.2 |
| 3 | 2020 | 325.3 | 124 | 65.8 | 1.9 |
| 3 | 2021 | 290.5 | 1,191 | 191.7 | 6.2 |
| 3 | 2022 | 299.6 | 992 | 176.6 | 5.6 |

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## argument.

Least Cisco

2022 - All Sites and Length Groups combined

| TotalCatch | MeanLength | LengthRange |
| --- | --- | --- |
| 3,373 | 276.7 | 79-425 |

2022 - By Station & Length Group

| Station | LengthGroup | TotalCatch | CPUE\_netnight |
| --- | --- | --- | --- |
| 214 | 1 | 114 | 2.3 |
| 214 | 2 | 1,081 | 21.8 |
| 218 | 1 | 105 | 2.6 |
| 218 | 2 | 1,252 | 31.5 |
| 220 | 1 | 25 | 0.7 |
| 220 | 2 | 538 | 14.0 |
| 230 | 1 | 62 | 1.3 |
| 230 | 2 | 196 | 4.0 |

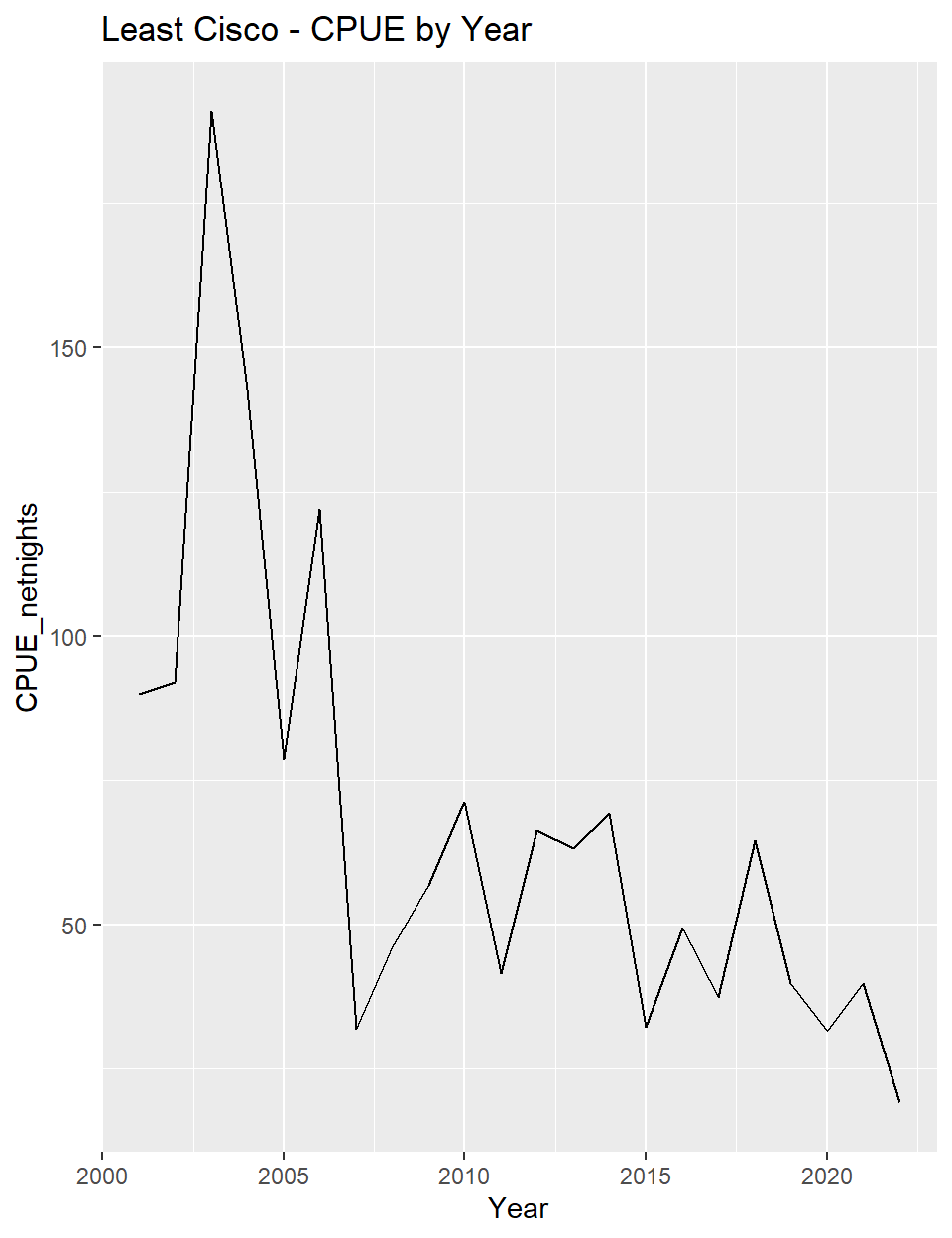
2022 - By Station

| Station | TotalCatch | CPUE\_netnight |
| --- | --- | --- |
| 214 | 1,195 | 24.0 |
| 218 | 1,357 | 34.2 |
| 220 | 563 | 14.7 |
| 230 | 258 | 5.3 |

2022 - By Length Group, All Sites Combined

| LengthGroup | TotalCatch | CPUE\_netnight | MeanLength\_mm | MinLength\_mm | MaxLength\_mm |
| --- | --- | --- | --- | --- | --- |
| 1 | 306 | 1.7 | 114.4 | 79 | 178 |
| 2 | 3,067 | 17.4 | 295.7 | 180 | 425 |

|  | CPUE\_netnights | Catch | Catch Rank | CPUE Rank |
| --- | --- | --- | --- | --- |
| 2001 | 89.9 | 17,197 | 19 | 18 |
| 2002 | 92.0 | 15,300 | 18 | 19 |
| 2003 | 191.0 | 29,744 | 22 | 22 |
| 2004 | 142.9 | 27,385 | 21 | 21 |
| 2005 | 78.6 | 14,481 | 17 | 17 |
| 2006 | 122.0 | 24,036 | 20 | 20 |
| 2007 | 31.8 | 6,801 | 6 | 3 |
| 2008 | 46.1 | 8,502 | 11 | 9 |
| 2009 | 56.9 | 7,097 | 8 | 11 |
| 2010 | 71.3 | 11,089 | 15 | 16 |
| 2011 | 41.6 | 6,147 | 5 | 8 |
| 2012 | 66.4 | 10,210 | 12 | 14 |
| 2013 | 63.2 | 10,222 | 13 | 12 |
| 2014 | 69.3 | 12,692 | 16 | 15 |
| 2015 | 32.2 | 5,899 | 4 | 4 |
| 2016 | 49.4 | 8,207 | 10 | 10 |
| 2017 | 37.5 | 6,923 | 7 | 5 |
| 2018 | 64.6 | 10,414 | 14 | 13 |
| 2019 | 39.9 | 5,821 | 3 | 7 |
| 2020 | 31.6 | 2,079 | 1 | 2 |
| 2021 | 39.9 | 7,645 | 9 | 6 |
| 2022 | 19.1 | 3,373 | 2 | 1 |



Three Year Comparison

| Group | Year | MeanLength\_mm | TotalCatch | Netnights | CPUE\_netnights |
| --- | --- | --- | --- | --- | --- |
| 1 | 2020 | 126.1 | 229 | 65.8 | 3.5 |
| 1 | 2021 | 140.0 | 2,202 | 191.7 | 11.5 |
| 1 | 2022 | 114.4 | 306 | 176.6 | 1.7 |
| 2 | 2020 | 275.6 | 1,850 | 65.8 | 28.1 |
| 2 | 2021 | 263.7 | 5,443 | 191.7 | 28.4 |
| 2 | 2022 | 295.7 | 3,067 | 176.6 | 17.4 |

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## argument.

Dolly Varden

2022 - All Sites and Length Groups combined

| TotalCatch | MeanLength | LengthRange |
| --- | --- | --- |
| 880 | 275.1 | 94-650 |

2022 - By Station & Length Group

| Station | LengthGroup | TotalCatch | CPUE\_netnight |
| --- | --- | --- | --- |
| 214 | 1 | 294 | 5.9 |
| 214 | 2 | 184 | 3.7 |
| 218 | 1 | 179 | 4.5 |
| 218 | 2 | 24 | 0.6 |
| 220 | 1 | 96 | 2.5 |
| 220 | 2 | 15 | 0.4 |
| 230 | 1 | 74 | 1.5 |
| 230 | 2 | 14 | 0.3 |

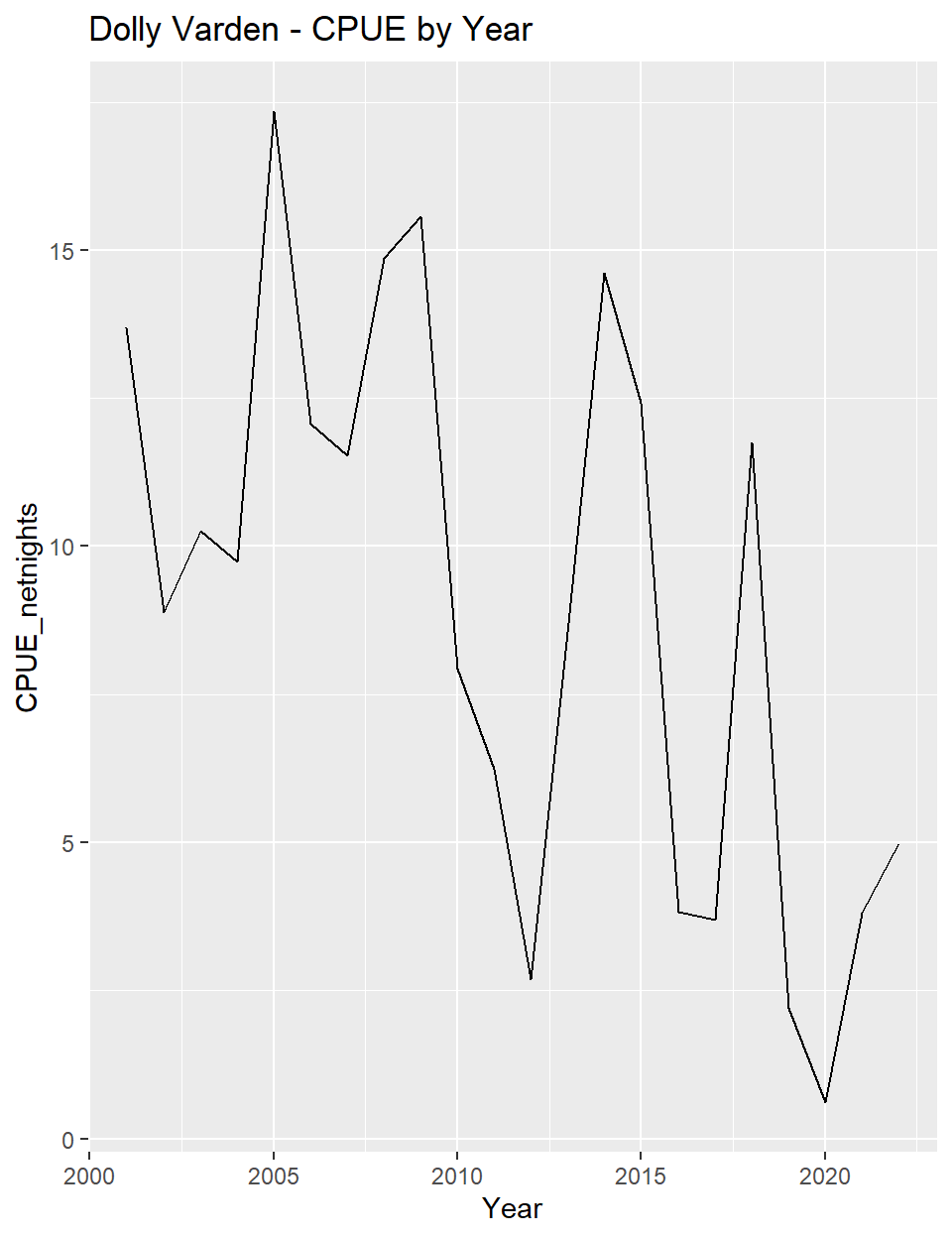
2022 - By Station

| Station | TotalCatch | CPUE\_netnight |
| --- | --- | --- |
| 214 | 478 | 9.6 |
| 218 | 203 | 5.1 |
| 220 | 111 | 2.9 |
| 230 | 88 | 1.8 |

2022 - By Length Group, All Sites Combined

| LengthGroup | TotalCatch | CPUE\_netnight | MeanLength\_mm | MinLength\_mm | MaxLength\_mm |
| --- | --- | --- | --- | --- | --- |
| 1 | 643 | 3.6 | 195.5 | 94 | 347 |
| 2 | 237 | 1.3 | 485.3 | 355 | 650 |

|  | CPUE\_netnights | Catch | Catch Rank | CPUE Rank |
| --- | --- | --- | --- | --- |
| 2001 | 13.7 | 2,618 | 19 | 18 |
| 2002 | 8.9 | 1,478 | 11 | 11 |
| 2003 | 10.3 | 1,597 | 12 | 13 |
| 2004 | 9.7 | 1,867 | 13 | 12 |
| 2005 | 17.3 | 3,195 | 22 | 22 |
| 2006 | 12.1 | 2,378 | 17 | 16 |
| 2007 | 11.5 | 2,462 | 18 | 14 |
| 2008 | 14.9 | 2,742 | 21 | 20 |
| 2009 | 15.6 | 1,941 | 15 | 21 |
| 2010 | 7.9 | 1,233 | 9 | 9 |
| 2011 | 6.2 | 924 | 8 | 8 |
| 2012 | 2.7 | 415 | 3 | 3 |
| 2013 | 8.5 | 1,382 | 10 | 10 |
| 2014 | 14.6 | 2,678 | 20 | 19 |
| 2015 | 12.4 | 2,277 | 16 | 17 |
| 2016 | 3.8 | 636 | 4 | 6 |
| 2017 | 3.7 | 684 | 5 | 4 |
| 2018 | 11.8 | 1,895 | 14 | 15 |
| 2019 | 2.2 | 321 | 2 | 2 |
| 2020 | 0.6 | 40 | 1 | 1 |
| 2021 | 3.8 | 731 | 6 | 5 |
| 2022 | 5.0 | 880 | 7 | 7 |



Three Year Comparison

| Group | Year | MeanLength\_mm | TotalCatch | Netnights | CPUE\_netnights |
| --- | --- | --- | --- | --- | --- |
| 1 | 2020 | 276.7 | 12 | 65.8 | 0.2 |
| 1 | 2021 | 213.0 | 444 | 191.7 | 2.3 |
| 1 | 2022 | 195.5 | 643 | 176.6 | 3.6 |
| 2 | 2020 | 459.5 | 28 | 65.8 | 0.4 |
| 2 | 2021 | 446.7 | 287 | 191.7 | 1.5 |
| 2 | 2022 | 485.3 | 237 | 176.6 | 1.3 |

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## `.groups` argument.  
## Joining, by = "LengthGroup"  
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## `summarise()` has grouped output by 'Group'. You can override using the  
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## `summarise()` has grouped output by 'LG'. You can override using the `.groups`  
## argument.

Humpback Whitefish

2022 - All Sites and Length Groups combined

| TotalCatch | MeanLength | LengthRange |
| --- | --- | --- |
| 1,598 | 346.2 | 145-475 |

2022 - By Station & Length Group

| Station | LengthGroup | TotalCatch | CPUE\_netnight |
| --- | --- | --- | --- |
| 214 | NA | 325 | 6.5 |
| 218 | NA | 916 | 23.1 |
| 220 | NA | 274 | 7.2 |
| 230 | NA | 83 | 1.7 |

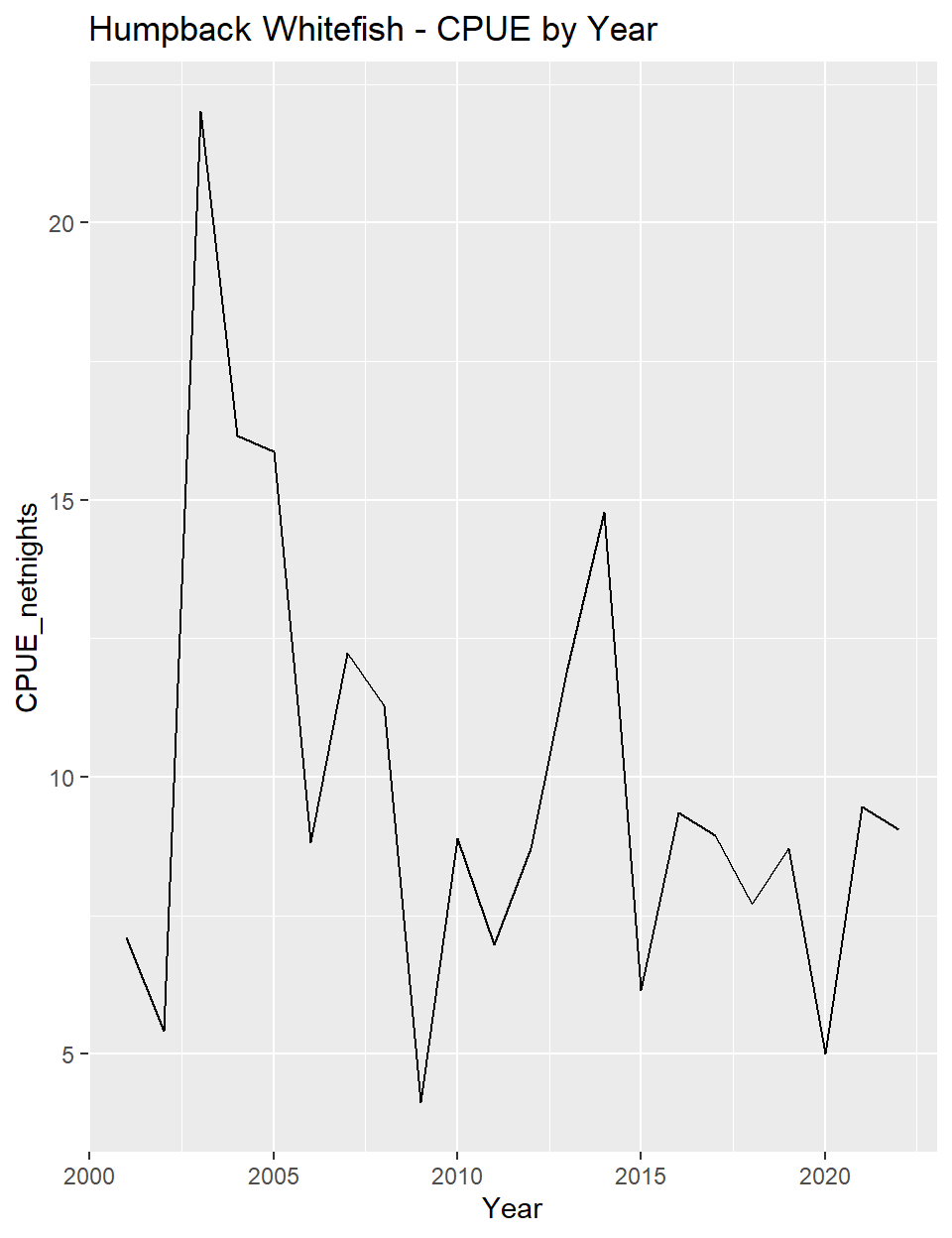
2022 - By Station

| Station | TotalCatch | CPUE\_netnight |
| --- | --- | --- |
| 214 | 325 | 6.5 |
| 218 | 916 | 23.1 |
| 220 | 274 | 7.2 |
| 230 | 83 | 1.7 |

2022 - By Length Group, All Sites Combined

| LengthGroup | TotalCatch | CPUE\_netnight | MeanLength\_mm | MinLength\_mm | MaxLength\_mm |
| --- | --- | --- | --- | --- | --- |
| NA | 1,598 | 9 | 346.2 | 145 | 475 |

|  | CPUE\_netnights | Catch | Catch Rank | CPUE Rank |
| --- | --- | --- | --- | --- |
| 2001 | 7.1 | 1,357 | 9 | 6 |
| 2002 | 5.4 | 901 | 3 | 3 |
| 2003 | 22.0 | 3,428 | 22 | 22 |
| 2004 | 16.2 | 3,097 | 21 | 21 |
| 2005 | 15.9 | 2,924 | 20 | 20 |
| 2006 | 8.8 | 1,737 | 14 | 10 |
| 2007 | 12.2 | 2,612 | 18 | 18 |
| 2008 | 11.3 | 2,085 | 17 | 16 |
| 2009 | 4.1 | 514 | 2 | 1 |
| 2010 | 8.9 | 1,382 | 10 | 11 |
| 2011 | 7.0 | 1,032 | 4 | 5 |
| 2012 | 8.7 | 1,340 | 8 | 8 |
| 2013 | 12.0 | 1,937 | 16 | 17 |
| 2014 | 14.8 | 2,706 | 19 | 19 |
| 2015 | 6.2 | 1,129 | 5 | 4 |
| 2016 | 9.3 | 1,554 | 11 | 14 |
| 2017 | 8.9 | 1,651 | 13 | 12 |
| 2018 | 7.7 | 1,243 | 6 | 7 |
| 2019 | 8.7 | 1,272 | 7 | 9 |
| 2020 | 5.0 | 330 | 1 | 2 |
| 2021 | 9.5 | 1,813 | 15 | 15 |
| 2022 | 9.0 | 1,598 | 12 | 13 |



Three Year Comparison

| Group | Year | MeanLength\_mm | TotalCatch | Netnights | CPUE\_netnights |
| --- | --- | --- | --- | --- | --- |
| NA | 2020 | 299.8 | 330 | 65.8 | 5.0 |
| NA | 2021 | 307.7 | 1,813 | 191.7 | 9.5 |
| NA | 2022 | 346.2 | 1,598 | 176.6 | 9.0 |

## `summarise()` has grouped output by 'Station'. You can override using the  
## `.groups` argument.  
## Joining, by = "LengthGroup"  
## Joining, by = "LengthGroup"  
## `summarise()` has grouped output by 'Group'. You can override using the  
## `.groups` argument.  
## `summarise()` has grouped output by 'LG'. You can override using the `.groups`  
## argument.

Arctic Cod

2022 - All Sites and Length Groups combined

| TotalCatch | MeanLength | LengthRange |
| --- | --- | --- |
| 843 | 97.7 | 54-208 |

2022 - By Station & Length Group

| Station | LengthGroup | TotalCatch | CPUE\_netnight |
| --- | --- | --- | --- |
| 214 | NA | 78 | 1.6 |
| 218 | NA | 494 | 12.4 |
| 220 | NA | 237 | 6.2 |
| 230 | NA | 34 | 0.7 |

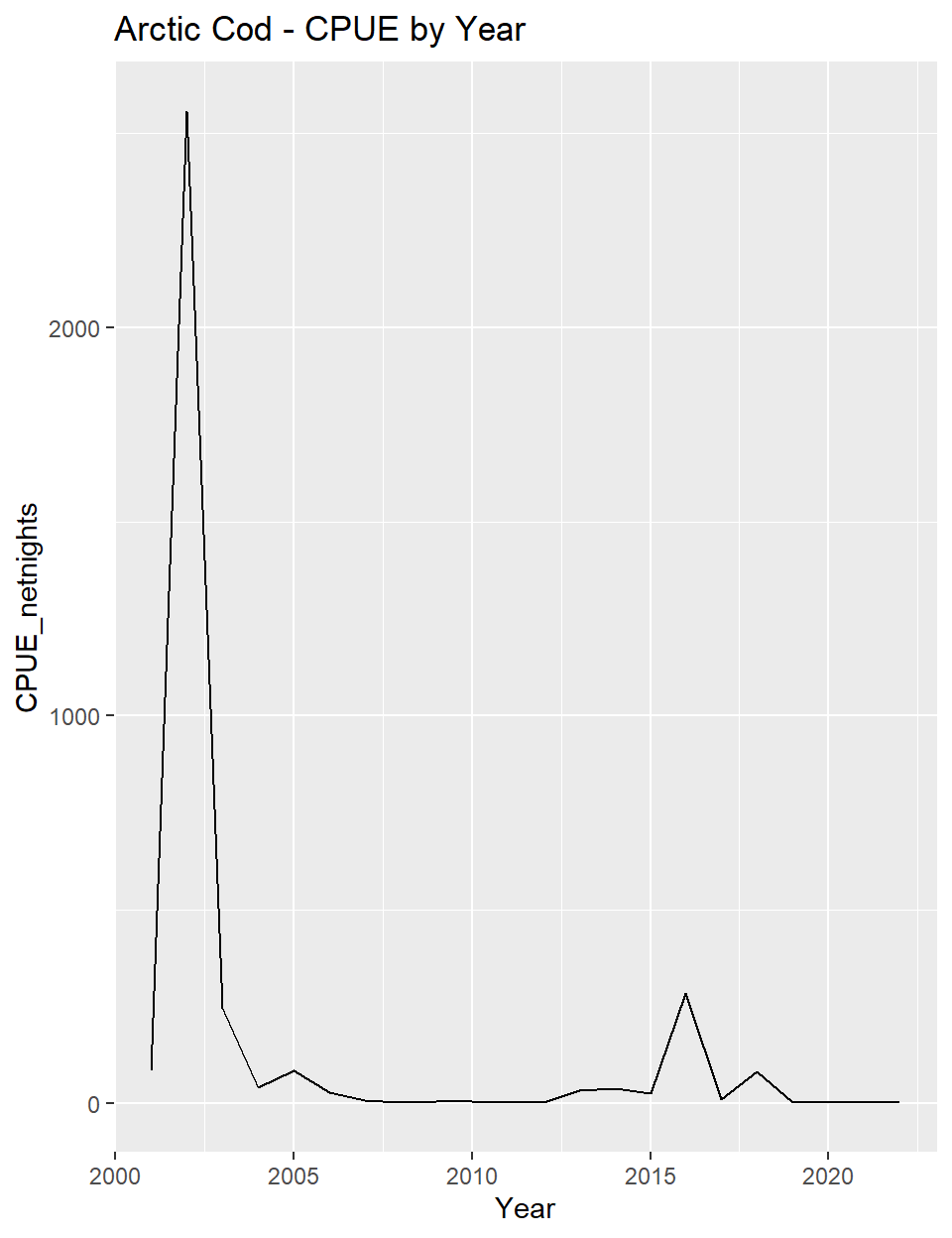
2022 - By Station

| Station | TotalCatch | CPUE\_netnight |
| --- | --- | --- |
| 214 | 78 | 1.6 |
| 218 | 494 | 12.4 |
| 220 | 237 | 6.2 |
| 230 | 34 | 0.7 |

2022 - By Length Group, All Sites Combined

| LengthGroup | TotalCatch | CPUE\_netnight | MeanLength\_mm | MinLength\_mm | MaxLength\_mm |
| --- | --- | --- | --- | --- | --- |
| NA | 843 | 4.8 | 97.7 | 54 | 208 |

|  | CPUE\_netnights | Catch | Catch Rank | CPUE Rank |
| --- | --- | --- | --- | --- |
| 2001 | 84.9 | 16,242 | 19 | 18 |
| 2002 | 2,557.9 | 425,461 | 22 | 22 |
| 2003 | 246.4 | 38,361 | 20 | 20 |
| 2004 | 42.7 | 8,178 | 16 | 16 |
| 2005 | 86.4 | 15,905 | 18 | 19 |
| 2006 | 29.7 | 5,848 | 14 | 13 |
| 2007 | 9.2 | 1,973 | 10 | 10 |
| 2008 | 4.6 | 840 | 7 | 6 |
| 2009 | 7.1 | 890 | 9 | 9 |
| 2010 | 5.3 | 832 | 5 | 8 |
| 2011 | 2.9 | 429 | 3 | 2 |
| 2012 | 2.7 | 411 | 2 | 1 |
| 2013 | 34.6 | 5,588 | 13 | 14 |
| 2014 | 39.2 | 7,172 | 15 | 15 |
| 2015 | 26.1 | 4,777 | 12 | 12 |
| 2016 | 284.8 | 47,328 | 21 | 21 |
| 2017 | 10.9 | 2,008 | 11 | 11 |
| 2018 | 82.2 | 13,251 | 17 | 17 |
| 2019 | 3.5 | 510 | 4 | 3 |
| 2020 | 3.6 | 234 | 1 | 4 |
| 2021 | 4.3 | 833 | 6 | 5 |
| 2022 | 4.8 | 843 | 8 | 7 |



Three Year Comparison

| Group | Year | MeanLength\_mm | TotalCatch | Netnights | CPUE\_netnights |
| --- | --- | --- | --- | --- | --- |
| NA | 2020 | 116.1 | 234 | 65.8 | 3.6 |
| NA | 2021 | 96.6 | 833 | 191.7 | 4.3 |
| NA | 2022 | 97.7 | 843 | 176.6 | 4.8 |

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## Joining, by = "LengthGroup"  
## `summarise()` has grouped output by 'Group'. You can override using the  
## `.groups` argument.  
## `summarise()` has grouped output by 'LG'. You can override using the `.groups`  
## argument.

Saffron Cod

2022 - All Sites and Length Groups combined

| TotalCatch | MeanLength | LengthRange |
| --- | --- | --- |
| 1,176 | 179.8 | 39-501 |

2022 - By Station & Length Group

| Station | LengthGroup | TotalCatch | CPUE\_netnight |
| --- | --- | --- | --- |
| 214 | NA | 431 | 8.7 |
| 218 | NA | 512 | 12.9 |
| 220 | NA | 83 | 2.2 |
| 230 | NA | 150 | 3.1 |

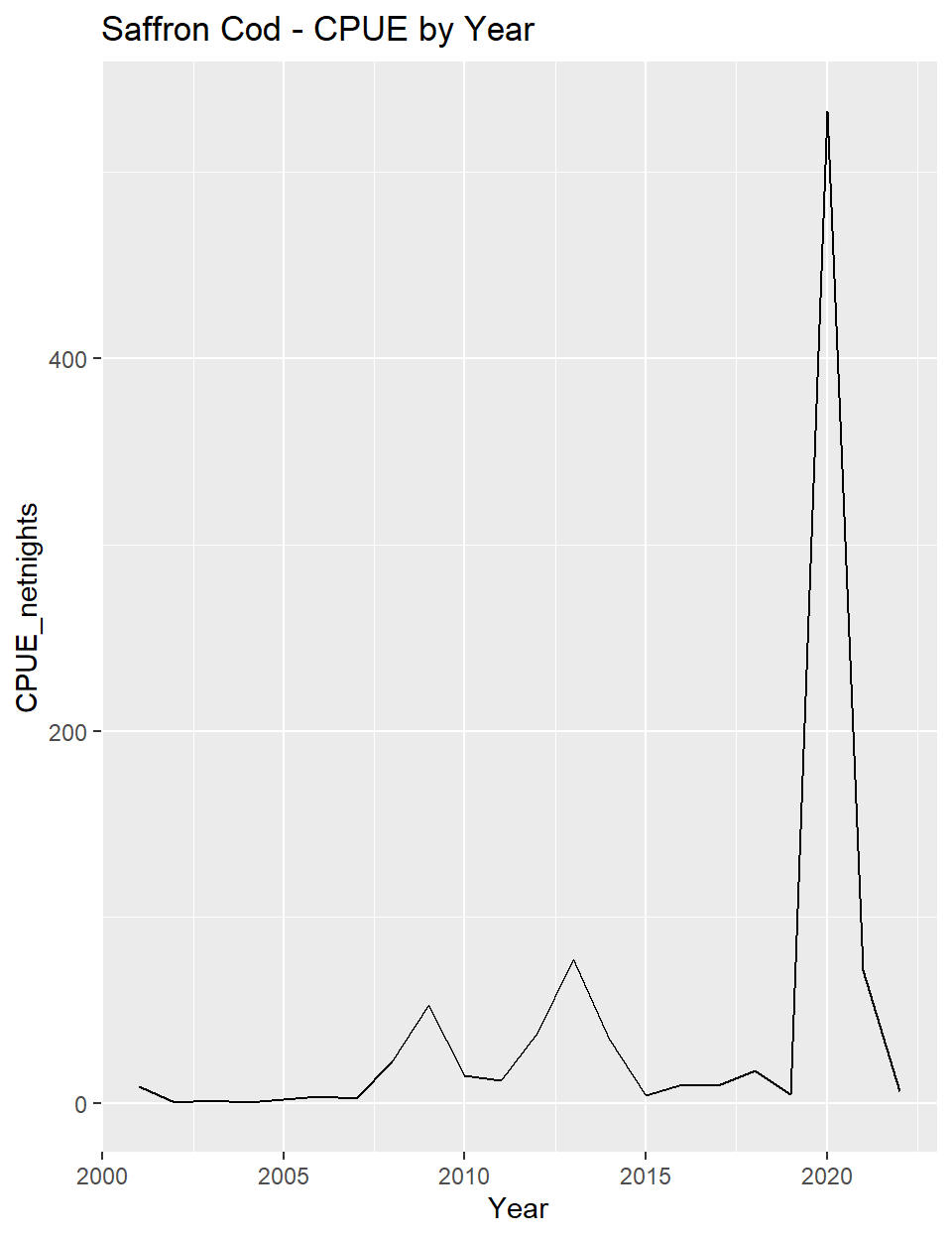
2022 - By Station

| Station | TotalCatch | CPUE\_netnight |
| --- | --- | --- |
| 214 | 431 | 8.7 |
| 218 | 512 | 12.9 |
| 220 | 83 | 2.2 |
| 230 | 150 | 3.1 |

2022 - By Length Group, All Sites Combined

| LengthGroup | TotalCatch | CPUE\_netnight | MeanLength\_mm | MinLength\_mm | MaxLength\_mm |
| --- | --- | --- | --- | --- | --- |
| NA | 1,176 | 6.7 | 179.8 | 39 | 501 |

|  | CPUE\_netnights | Catch | Catch Rank | CPUE Rank |
| --- | --- | --- | --- | --- |
| 2001 | 9.1 | 1,733 | 11 | 10 |
| 2002 | 0.4 | 74 | 1 | 1 |
| 2003 | 1.6 | 250 | 3 | 3 |
| 2004 | 0.6 | 122 | 2 | 2 |
| 2005 | 2.5 | 452 | 4 | 4 |
| 2006 | 4.0 | 782 | 7 | 6 |
| 2007 | 2.7 | 575 | 5 | 5 |
| 2008 | 22.7 | 4,193 | 16 | 16 |
| 2009 | 52.7 | 6,568 | 19 | 19 |
| 2010 | 15.0 | 2,341 | 14 | 14 |
| 2011 | 12.6 | 1,863 | 13 | 13 |
| 2012 | 37.2 | 5,717 | 17 | 18 |
| 2013 | 77.4 | 12,519 | 20 | 21 |
| 2014 | 34.8 | 6,381 | 18 | 17 |
| 2015 | 4.6 | 838 | 8 | 7 |
| 2016 | 10.2 | 1,691 | 10 | 12 |
| 2017 | 9.9 | 1,822 | 12 | 11 |
| 2018 | 17.6 | 2,831 | 15 | 15 |
| 2019 | 5.2 | 752 | 6 | 8 |
| 2020 | 532.7 | 35,047 | 22 | 22 |
| 2021 | 71.5 | 13,709 | 21 | 20 |
| 2022 | 6.7 | 1,176 | 9 | 9 |



Three Year Comparison

| Group | Year | MeanLength\_mm | TotalCatch | Netnights | CPUE\_netnights |
| --- | --- | --- | --- | --- | --- |
| NA | 2020 | 115.9 | 35,047 | 65.8 | 532.7 |
| NA | 2021 | 172.2 | 13,709 | 191.7 | 71.5 |
| NA | 2022 | 179.8 | 1,176 | 176.6 | 6.7 |

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## Joining, by = "LengthGroup"  
## Joining, by = "LengthGroup"  
## `summarise()` has grouped output by 'Group'. You can override using the  
## `.groups` argument.  
## `summarise()` has grouped output by 'LG'. You can override using the `.groups`  
## argument.

Rainbow Smelt

2022 - All Sites and Length Groups combined

| TotalCatch | MeanLength | LengthRange |
| --- | --- | --- |
| 8,609 | 100.4 | 33-265 |

2022 - By Station & Length Group

| Station | LengthGroup | TotalCatch | CPUE\_netnight |
| --- | --- | --- | --- |
| 214 | 1 | 1,611 | 32.4 |
| 214 | 2 | 340 | 6.8 |
| 214 | 3 | 39 | 0.8 |
| 214 | NA | 1,078 | 21.7 |
| 218 | 1 | 1,104 | 27.8 |
| 218 | 2 | 256 | 6.4 |
| 218 | 3 | 7 | 0.2 |
| 220 | 1 | 77 | 2.0 |
| 220 | 2 | 27 | 0.7 |
| 230 | 1 | 1,057 | 21.6 |
| 230 | 2 | 138 | 2.8 |
| 230 | 3 | 11 | 0.2 |
| 230 | NA | 2,864 | 58.6 |

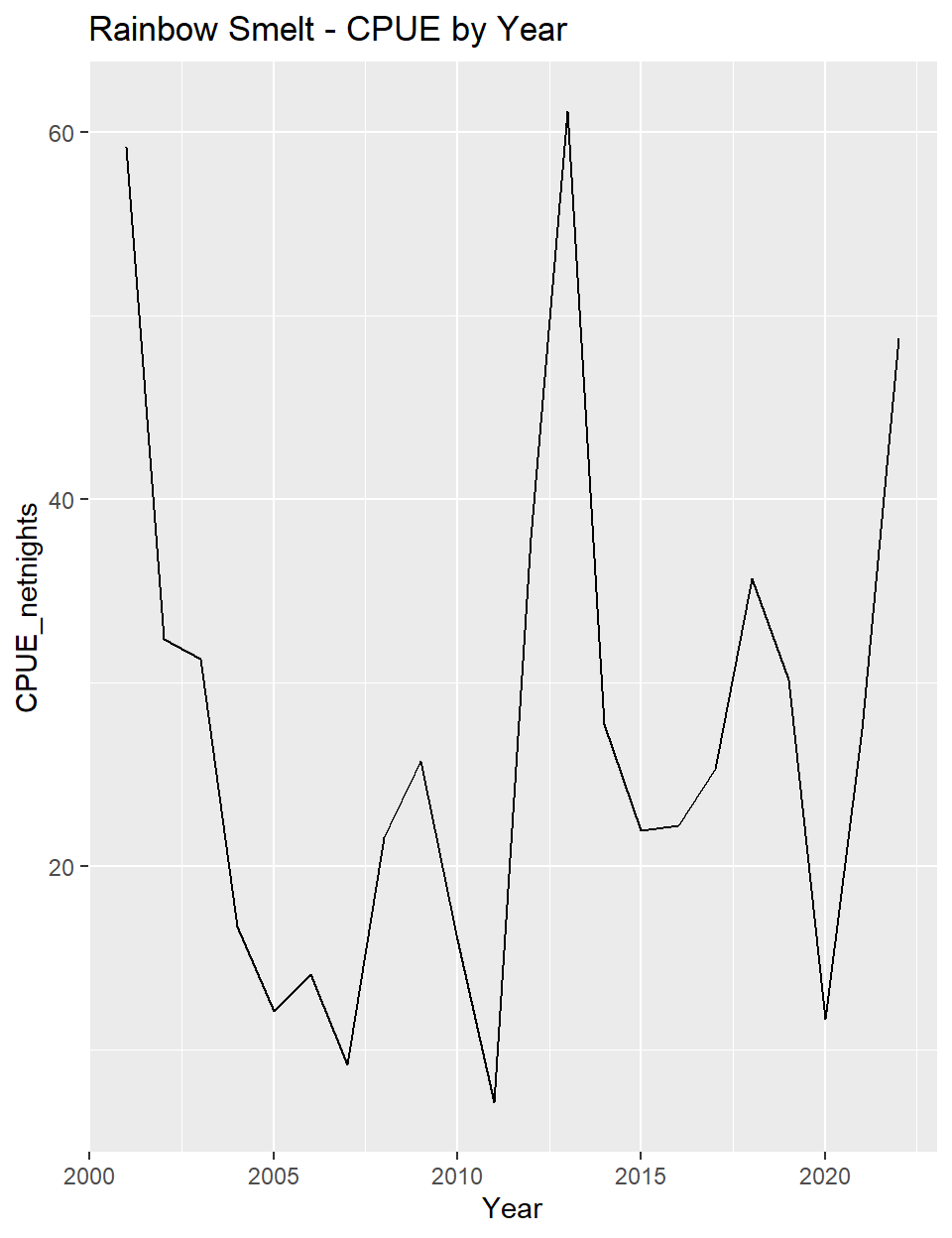
2022 - By Station

| Station | TotalCatch | CPUE\_netnight |
| --- | --- | --- |
| 214 | 3,068 | 61.7 |
| 218 | 1,367 | 34.4 |
| 220 | 104 | 2.7 |
| 230 | 4,070 | 83.2 |

2022 - By Length Group, All Sites Combined

| LengthGroup | TotalCatch | CPUE\_netnight | MeanLength\_mm | MinLength\_mm | MaxLength\_mm |
| --- | --- | --- | --- | --- | --- |
| 1 | 3,849 | 21.8 | 86.5 | 33 | 99 |
| 2 | 761 | 4.3 | 124.2 | 100 | 199 |
| 3 | 57 | 0.3 | 216.2 | 200 | 265 |
| NA | 3,942 | 22.3 | NA | NA | NA |

|  | CPUE\_netnights | Catch | Catch Rank | CPUE Rank |
| --- | --- | --- | --- | --- |
| 2001 | 59.2 | 11,327 | 22 | 21 |
| 2002 | 32.4 | 5,389 | 17 | 17 |
| 2003 | 31.3 | 4,870 | 14 | 16 |
| 2004 | 16.7 | 3,203 | 8 | 7 |
| 2005 | 12.1 | 2,225 | 4 | 4 |
| 2006 | 14.1 | 2,773 | 6 | 5 |
| 2007 | 9.2 | 1,956 | 3 | 2 |
| 2008 | 21.6 | 3,978 | 10 | 8 |
| 2009 | 25.7 | 3,203 | 8 | 12 |
| 2010 | 16.0 | 2,489 | 5 | 6 |
| 2011 | 7.1 | 1,048 | 2 | 1 |
| 2012 | 37.9 | 5,825 | 19 | 19 |
| 2013 | 61.2 | 9,891 | 21 | 22 |
| 2014 | 27.7 | 5,076 | 15 | 14 |
| 2015 | 22.0 | 4,025 | 11 | 9 |
| 2016 | 22.2 | 3,694 | 9 | 10 |
| 2017 | 25.3 | 4,669 | 13 | 11 |
| 2018 | 35.7 | 5,755 | 18 | 18 |
| 2019 | 30.1 | 4,399 | 12 | 15 |
| 2020 | 11.7 | 767 | 1 | 3 |
| 2021 | 27.5 | 5,267 | 16 | 13 |
| 2022 | 48.8 | 8,609 | 20 | 20 |



Three Year Comparison

| Group | Year | MeanLength\_mm | TotalCatch | Netnights | CPUE\_netnights |
| --- | --- | --- | --- | --- | --- |
| 1 | 2022 | 86.5 | 3,849 | 176.6 | 21.8 |
| 2 | 2022 | 124.2 | 761 | 176.6 | 4.3 |
| 3 | 2022 | 216.2 | 57 | 176.6 | 0.3 |

Arctic Flounder

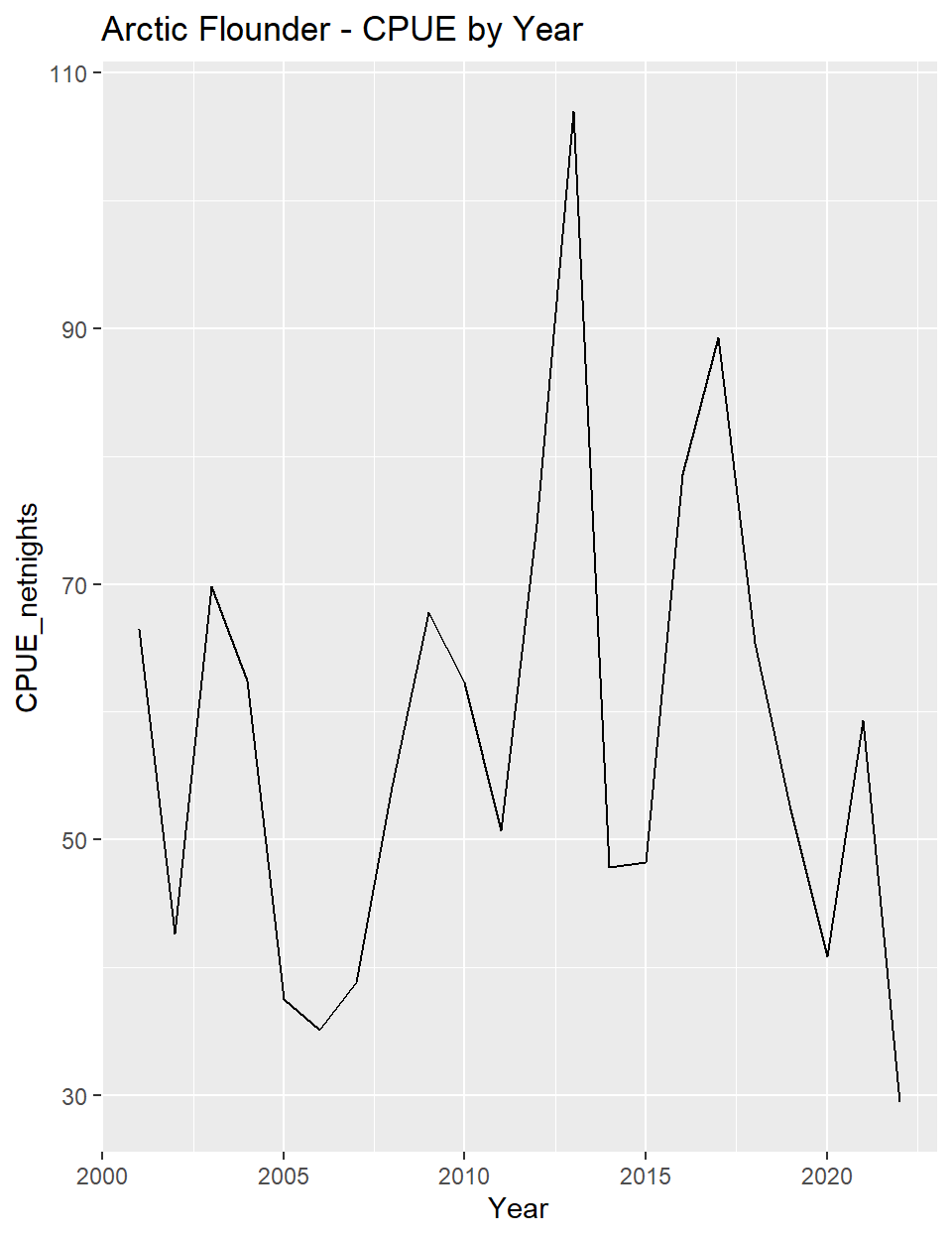
2022 - By Station

| Station | TotalCatch | CPUE\_netnight |
| --- | --- | --- |
| 214 | 3,423 | 68.9 |
| 218 | 990 | 24.9 |
| 220 | 221 | 5.8 |
| 230 | 566 | 11.6 |

2022 - All Sites Combined

| TotalCatch | CPUE\_netnight |
| --- | --- |
| 5,200 | 29.4 |

|  | CPUE\_netnights | Catch | Catch Rank | CPUE Rank |
| --- | --- | --- | --- | --- |
| 2001 | 66.5 | 12,713 | 19 | 16 |
| 2002 | 42.6 | 7,094 | 5 | 6 |
| 2003 | 69.8 | 10,868 | 15 | 18 |
| 2004 | 62.5 | 11,976 | 18 | 14 |
| 2005 | 37.5 | 6,911 | 3 | 3 |
| 2006 | 35.2 | 6,930 | 4 | 2 |
| 2007 | 38.9 | 8,304 | 8 | 4 |
| 2008 | 54.2 | 9,997 | 13 | 11 |
| 2009 | 67.8 | 8,450 | 9 | 17 |
| 2010 | 62.3 | 9,687 | 12 | 13 |
| 2011 | 50.7 | 7,501 | 6 | 9 |
| 2012 | 74.7 | 11,484 | 17 | 19 |
| 2013 | 107.0 | 17,298 | 22 | 22 |
| 2014 | 47.9 | 8,770 | 10 | 7 |
| 2015 | 48.2 | 8,842 | 11 | 8 |
| 2016 | 78.6 | 13,058 | 20 | 20 |
| 2017 | 89.3 | 16,486 | 21 | 21 |
| 2018 | 65.4 | 10,549 | 14 | 15 |
| 2019 | 52.4 | 7,640 | 7 | 10 |
| 2020 | 40.9 | 2,688 | 1 | 5 |
| 2021 | 59.3 | 11,371 | 16 | 12 |
| 2022 | 29.4 | 5,200 | 2 | 1 |



Fourhorn Sculpin

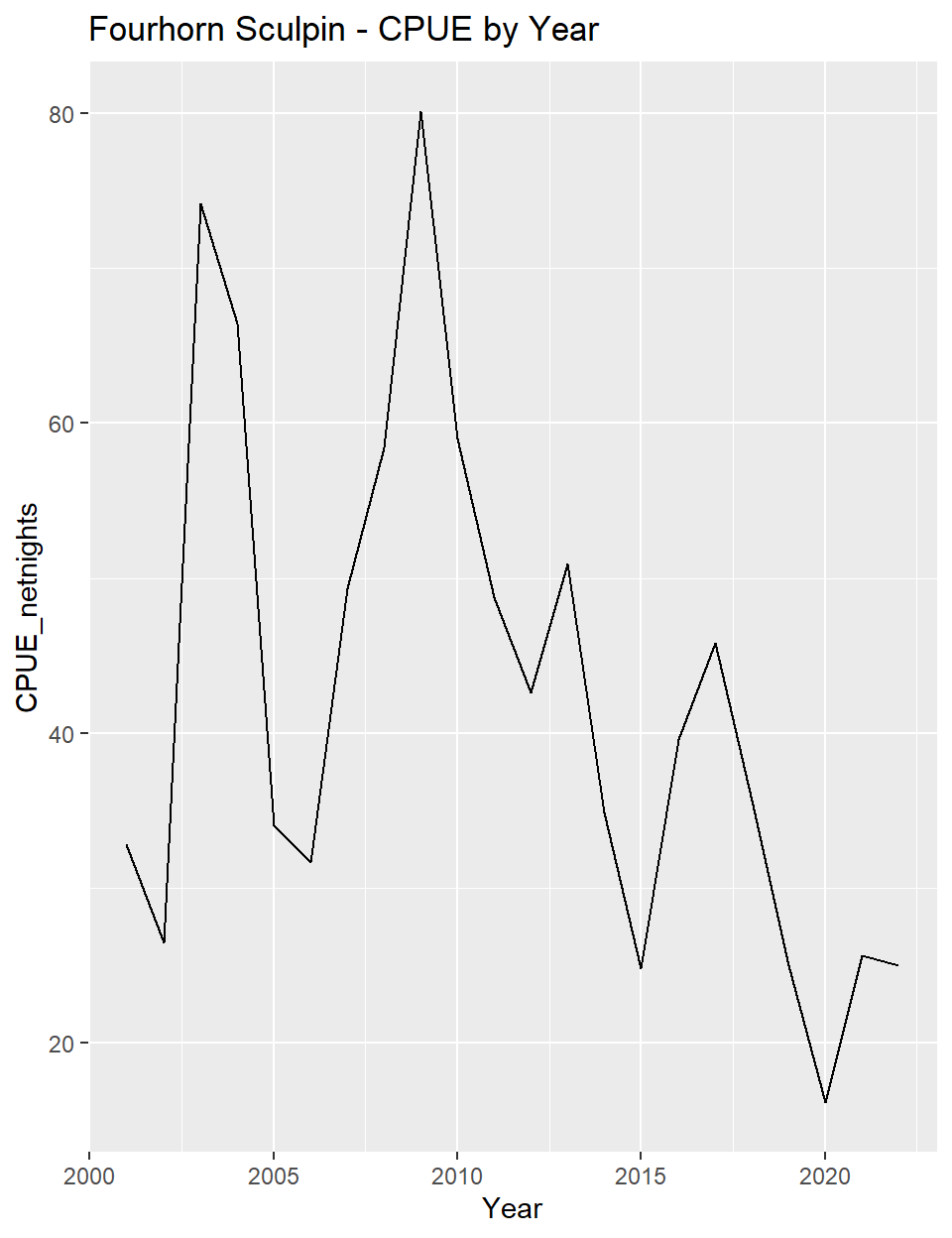
2022 - By Station

| Station | TotalCatch | CPUE\_netnight |
| --- | --- | --- |
| 214 | 2,495 | 50.2 |
| 218 | 945 | 23.8 |
| 220 | 213 | 5.6 |
| 230 | 763 | 15.6 |

2022 - All Sites Combined

| TotalCatch | CPUE\_netnight |
| --- | --- |
| 4,416 | 25 |

|  | CPUE\_netnights | Catch | Catch Rank | CPUE Rank |
| --- | --- | --- | --- | --- |
| 2001 | 32.8 | 6,277 | 10 | 8 |
| 2002 | 26.5 | 4,403 | 3 | 6 |
| 2003 | 74.2 | 11,553 | 21 | 21 |
| 2004 | 66.4 | 12,731 | 22 | 20 |
| 2005 | 34.0 | 6,263 | 9 | 9 |
| 2006 | 31.7 | 6,238 | 8 | 7 |
| 2007 | 49.4 | 10,539 | 19 | 16 |
| 2008 | 58.4 | 10,784 | 20 | 18 |
| 2009 | 80.2 | 9,994 | 18 | 22 |
| 2010 | 59.0 | 9,182 | 17 | 19 |
| 2011 | 48.8 | 7,212 | 14 | 15 |
| 2012 | 42.6 | 6,548 | 12 | 13 |
| 2013 | 50.9 | 8,237 | 15 | 17 |
| 2014 | 34.8 | 6,379 | 11 | 10 |
| 2015 | 24.8 | 4,547 | 5 | 2 |
| 2016 | 39.6 | 6,582 | 13 | 12 |
| 2017 | 45.8 | 8,464 | 16 | 14 |
| 2018 | 35.6 | 5,741 | 7 | 11 |
| 2019 | 25.0 | 3,643 | 2 | 3 |
| 2020 | 16.1 | 1,060 | 1 | 1 |
| 2021 | 25.6 | 4,917 | 6 | 5 |
| 2022 | 25.0 | 4,416 | 4 | 4 |



Pink Salmon

2022 - By Station

| Station | TotalCatch | CPUE\_netnight |
| --- | --- | --- |
| 218 | 1 | 0 |
| 220 | 1 | 0 |
| 230 | 1 | 0 |

2022 - All Sites Combined

| TotalCatch | CPUE\_netnight |
| --- | --- |
| 3 | 0 |

|  | CPUE\_netnights | Catch | Catch Rank | CPUE Rank |
| --- | --- | --- | --- | --- |
| 2001 | 0.0 | 0 | 1 | 1 |
| 2002 | 0.0 | 8 | 10 | 10 |
| 2003 | 0.2 | 29 | 17 | 19 |
| 2004 | 0.2 | 29 | 17 | 16 |
| 2005 | 0.2 | 29 | 17 | 17 |
| 2006 | 0.0 | 7 | 9 | 8 |
| 2007 | 0.0 | 3 | 6 | 4 |
| 2008 | 1.5 | 284 | 21 | 21 |
| 2009 | 0.0 | 6 | 8 | 11 |
| 2010 | 0.1 | 18 | 12 | 12 |
| 2011 | 0.0 | 3 | 6 | 7 |
| 2012 | 0.0 | 1 | 2 | 3 |
| 2013 | 0.0 | 1 | 2 | 2 |
| 2014 | 0.0 | 8 | 10 | 9 |
| 2015 | 0.1 | 26 | 15 | 14 |
| 2016 | 0.2 | 25 | 14 | 15 |
| 2017 | 0.2 | 31 | 19 | 18 |
| 2018 | 0.1 | 22 | 13 | 13 |
| 2019 | 2.9 | 417 | 22 | 22 |
| 2020 | 1.5 | 98 | 20 | 20 |
| 2021 | 0.0 | 3 | 6 | 5 |
| 2022 | 0.0 | 3 | 6 | 6 |

