An example report

The subtitle

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# Citation

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# 1. Columbia River Chum

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Clark (1993) vitae ante quis dui egestas fringilla ac vitae justo (Ansley and Davis 1981; Collins et al. 1996; Deuel and Clark 1968) . Pellentesque quis magna vel odio malesuada rutrum a volutpat nisl. Aliquam fermentum, urna eget tristique mattis, augue augue tristique ipsum, eget finibus nunc eros non nisi. Phasellus mattis hendrerit sapien, quis accumsan dui pretium eget. Nunc eleifend laoreet urna a luctus. Nulla vel sapien in nulla gravida tempus sit amet a metus. Vivamus porta condimentum tempus. Maecenas rhoncus elit id ultricies scelerisque. In gravida urna in ligula fringilla euismod. Curabitur efficitur porta libero ac fermentum. Cras fringilla et libero at posuere. Curabitur sodales dapibus elit a convallis.

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## 1.1 General location

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| Figure 1.1: Columbia River Chum. Map of the general location of the ESU. |

## 1.2 Recent trends

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| Figure 1.2: Columbia River Chum. Log spawner count trends. |

## 1.3 Population raw data

Morbi iaculis eget augue eget facilisis. Etiam non orci dignissim, efficitur purus viverra, pellentesque neque. Aliquam ornare, magna ut dictum mollis, nunc lorem iaculis nibh, eu consequat lectus urna euismod tortor. Etiam ut felis nisl. [Table 4.1](#tbl-rawICSRsthd-300) Nunc quis euismod felis. Vestibulum gravida nisi mi, quis mollis velit ullamcorper non. Aliquam tempus fringilla bibendum. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce viverra nulla elementum libero mollis, quis cursus velit sagittis.

### 1.3.1 Grays & Chinook Rs.

Table 1.1: Spawners and fracwild from Grays & Chinook Rs. (NMFS\_POPID 115) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 6380 | 0.953 |
| 2011 | 10809 | 0.930 |
| 2012 | 8010 | 0.972 |
| 2013 | 5134 | 0.941 |
| 2014 | 4792 | 0.890 |
| 2015 | 11580 | 0.938 |
| 2016 | 31138 | 0.977 |
| 2017 | 6662 | 0.933 |
| 2018 | 6811 | 0.928 |
| gt |  |  |

### 1.3.2 Washougal R.

Table 1.2: Spawners and fracwild from Washougal R. (NMFS\_POPID 124) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 2148 | -99.000 |
| 2011 | 4801 | -99.000 |
| 2012 | 2498 | -99.000 |
| 2013 | 1364 | -99.000 |
| 2014 | 1387 | -99.000 |
| 2015 | 4694 | -99.000 |
| 2016 | 5155 | 0.982 |
| 2017 | 1570 | 1.000 |
| 2018 | 2518 | 0.987 |
| gt |  |  |

### 1.3.3 Low. Gorge Tribs.

Table 1.3: Spawners and fracwild from Low. Gorge Tribs. (NMFS\_POPID 118) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 2674 | 1.000 |
| 2011 | 3190 | 1.000 |
| 2012 | 1864 | 1.000 |
| 2013 | 1595 | 1.000 |
| 2014 | 2387 | 0.981 |
| 2015 | 5345 | 1.000 |
| 2016 | 6103 | 1.000 |
| 2017 | 1499 | 1.000 |
| 2018 | 4918 | 0.987 |
| gt |  |  |

### 1.3.4 Up. Gorge Tribs.

Table 1.4: Spawners and fracwild from Up. Gorge Tribs. (NMFS\_POPID 123) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 124 | -99 |
| 2011 | 50 | -99 |
| 2012 | 65 | -99 |
| 2013 | 167 | -99 |
| 2014 | 122 | -99 |
| 2015 | 176 | -99 |
| 2016 | 47 | -99 |
| 2017 | 21 | -99 |
| 2018 | 180 | -99 |
| gt |  |  |

# 2. Upper Columbia Chinook

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## 2.1 General location

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| Figure 2.1: Upper Columbia Chinook. Map of the general location of the ESU. |

## 2.2 Recent trends

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| Figure 2.2: Upper Columbia Chinook. Log spawner count trends. |

## 2.3 Population raw data

Morbi iaculis eget augue eget facilisis. Etiam non orci dignissim, efficitur purus viverra, pellentesque neque. Aliquam ornare, magna ut dictum mollis, nunc lorem iaculis nibh, eu consequat lectus urna euismod tortor. Etiam ut felis nisl. Nunc quis euismod felis. Vestibulum gravida nisi mi, quis mollis velit ullamcorper non. Aliquam tempus fringilla bibendum. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce viverra nulla elementum libero mollis, quis cursus velit sagittis.

### 2.3.1 Wenatchee R.

Table 2.1: Spawners and fracwild from Wenatchee R. (NMFS\_POPID 102) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 1759 | 0.31 |
| 2011 | 2876 | 0.40 |
| 2012 | 2511 | 0.37 |
| 2013 | 2033 | 0.34 |
| 2014 | 2219 | 0.57 |
| 2015 | 1605 | 0.41 |
| 2016 | 985 | 0.64 |
| 2017 | 799 | 0.43 |
| 2018 | 1127 | 0.24 |
| gt |  |  |

### 2.3.2 Entiat R.

Table 2.2: Spawners and fracwild from Entiat R. (NMFS\_POPID 100) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 445 | 0.75 |
| 2011 | 508 | 0.75 |
| 2012 | 385 | 0.66 |
| 2013 | 192 | 0.79 |
| 2014 | 245 | 0.92 |
| 2015 | 509 | 0.82 |
| 2016 | 353 | 0.84 |
| 2017 | 101 | 0.62 |
| 2018 | 92 | 0.50 |
| gt |  |  |

### 2.3.3 Methow R.

Table 2.3: Spawners and fracwild from Methow R. (NMFS\_POPID 101) for 2010 to 2019.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 2364 | 0.25 |
| 2011 | 2935 | 0.33 |
| 2012 | 1280 | 0.20 |
| 2013 | 1089 | 0.22 |
| 2014 | 2063 | 0.25 |
| 2015 | 1353 | 0.29 |
| 2016 | 697 | 0.46 |
| 2017 | 464 | 0.38 |
| 2018 | 500 | 0.53 |
| 2019 | 570 | 0.20 |
| gt |  |  |

# 3. Lower Columbia Chinook

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## 3.1 General location

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| Figure 3.1: Lower Columbia Chinook. Map of the general location of the ESU. |

## 3.2 Recent trends

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec vitae ante quis dui egestas fringilla ac vitae justo. Pellentesque quis magna vel odio malesuada rutrum a volutpat nisl. Aliquam fermentum, urna eget tristique mattis, augue augue tristique ipsum, eget finibus nunc eros non nisi. Phasellus mattis hendrerit sapien, quis accumsan dui pretium eget. Nunc eleifend laoreet urna a luctus. Nulla vel sapien in nulla gravida tempus sit amet a metus. Vivamus porta condimentum tempus. Maecenas rhoncus elit id ultricies scelerisque. In gravida urna in ligula fringilla euismod. Curabitur efficitur porta libero ac fermentum. Cras fringilla et libero at posuere. Curabitur sodales dapibus elit a convallis.

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| Figure 3.2: Lower Columbia Chinook. Log spawner count trends. |

## 3.3 Population raw data

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### 3.3.1 Grays & Chinook R.

Table 3.1: Spawners and fracwild from Grays & Chinook R. (NMFS\_POPID 8) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 170 | 0.486 |
| 2011 | 416 | 0.149 |
| 2012 | 160 | 0.219 |
| 2013 | 1644 | 0.055 |
| 2014 | 969 | 0.191 |
| 2015 | 762 | 0.289 |
| 2016 | 356 | 0.226 |
| 2017 | 565 | 0.523 |
| 2018 | 734 | 0.702 |
| gt |  |  |

### 3.3.2 Youngs Bay

Table 3.2: Spawners and fracwild from Youngs Bay (NMFS\_POPID 33) for 2012 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2012 | 6686 | 0.025 |
| 2013 | 8485 | 0.048 |
| 2014 | 2345 | 0.051 |
| 2015 | 2026 | 0.189 |
| 2016 | 768 | 0.243 |
| 2017 | 1927 | 0.097 |
| 2018 | 2383 | 0.014 |
| gt |  |  |

### 3.3.3 Big Ck.

Table 3.3: Spawners and fracwild from Big Ck. (NMFS\_POPID 1) for 2012 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2012 | 1096 | 0.050 |
| 2013 | 946 | 0.000 |
| 2014 | 2583 | 0.016 |
| 2015 | 2586 | 0.000 |
| 2016 | 582 | 0.077 |
| 2017 | 1279 | 0.000 |
| 2018 | 12301 | 0.009 |
| gt |  |  |

### 3.3.4 Elochoman R.

Table 3.4: Spawners and fracwild from Elochoman R. (NMFS\_POPID 7) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 1260 | 0.108 |
| 2011 | 1083 | 0.058 |
| 2012 | 206 | 0.301 |
| 2013 | 448 | 0.178 |
| 2014 | 680 | 0.220 |
| 2015 | 989 | 0.237 |
| 2016 | 368 | 0.249 |
| 2017 | 114 | 0.677 |
| 2018 | 77 | 0.643 |
| gt |  |  |

### 3.3.5 Clatskanie R.

Table 3.5: Spawners and fracwild from Clatskanie R. (NMFS\_POPID 5) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 103 | 0.12 |
| 2011 | 152 | 0.08 |
| 2012 | 80 | 0.10 |
| 2013 | 39 | 0.08 |
| 2014 | 76 | 0.09 |
| 2015 | 76 | 0.09 |
| 2016 | 76 | 0.06 |
| 2017 | 0 | -99.00 |
| 2018 | 76 | 0.01 |
| gt |  |  |

### 3.3.6 Mill/Abernathy/Germany Ck.

Table 3.6: Spawners and fracwild from Mill/Abernathy/Germany Ck. (NMFS\_POPID 17) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 2410 | 0.065 |
| 2011 | 1192 | 0.079 |
| 2012 | 147 | 0.143 |
| 2013 | 657 | 0.194 |
| 2014 | 554 | 0.062 |
| 2015 | 989 | 0.081 |
| 2016 | 397 | 0.219 |
| 2017 | 95 | 0.174 |
| 2018 | 14 | 0.394 |
| gt |  |  |

### 3.3.7 Low. Cowlitz R.

Table 3.7: Spawners and fracwild from Low. Cowlitz R. (NMFS\_POPID 15) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 3734 | 0.683 |
| 2011 | 3685 | 0.745 |
| 2012 | 2725 | 0.570 |
| 2013 | 4320 | 0.805 |
| 2014 | 4347 | 0.672 |
| 2015 | 5981 | 0.700 |
| 2016 | 3885 | 0.741 |
| 2017 | 3630 | 0.806 |
| 2018 | 3553 | 0.845 |
| gt |  |  |

### 3.3.8 Coweeman R.

Table 3.8: Spawners and fracwild from Coweeman R. (NMFS\_POPID 6) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 584 | 0.707 |
| 2011 | 707 | 0.881 |
| 2012 | 526 | 0.882 |
| 2013 | 2322 | 0.675 |
| 2014 | 830 | 0.957 |
| 2015 | 1391 | 0.977 |
| 2016 | 439 | 0.936 |
| 2017 | 841 | 0.857 |
| 2018 | 244 | 0.884 |
| gt |  |  |

### 3.3.9 Toutle R.

Table 3.9: Spawners and fracwild from Toutle R. (NMFS\_POPID 25) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 1917 | 0.119 |
| 2011 | 1498 | 0.132 |
| 2012 | 907 | 0.259 |
| 2013 | 1754 | 0.521 |
| 2014 | 783 | 0.514 |
| 2015 | 598 | 0.632 |
| 2016 | 803 | 0.461 |
| 2017 | 594 | 0.529 |
| 2018 | 244 | 0.571 |
| gt |  |  |

### 3.3.10 Up. Cowlitz R.

Table 3.10: Spawners and fracwild from Up. Cowlitz R. (NMFS\_POPID 27) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 9808 | 0.215 |
| 2011 | 12914 | 0.330 |
| 2012 | 5564 | 0.350 |
| 2013 | 6488 | 0.505 |
| 2014 | 6231 | 0.363 |
| 2015 | 5647 | 0.598 |
| 2016 | 3959 | 0.774 |
| 2017 | 1520 | 0.983 |
| 2018 | 674 | 0.923 |
| 2014 | 2915 | 0.078 |
| 2015 | 14981 | 0.012 |
| 2016 | 11946 | 0.017 |
| 2017 | 6260 | 0.024 |
| 2018 | 779 | 0.198 |
| gt |  |  |

### 3.3.11 Kalama R.

Table 3.11: Spawners and fracwild from Kalama R. (NMFS\_POPID 11) for 2010 to 2019.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 5315 | 0.112 |
| 2011 | 7591 | 0.056 |
| 2012 | 7477 | 0.039 |
| 2013 | 8487 | 0.096 |
| 2014 | 9451 | 0.081 |
| 2015 | 6423 | 0.451 |
| 2016 | 4226 | 0.602 |
| 2017 | 3041 | 0.570 |
| 2018 | 2548 | 0.647 |
| 2010 | 46 | 1.000 |
| 2011 | 172 | 1.000 |
| 2012 | 81 | 1.000 |
| 2013 | 107 | 1.000 |
| 2014 | 55 | 1.000 |
| 2015 | 31 | 1.000 |
| 2016 | 28 | 1.000 |
| 2017 | 60 | 1.000 |
| 2018 | 57 | 1.000 |
| 2019 | 52 | 1.000 |
| gt |  |  |

### 3.3.12 Lewis R.

Table 3.12: Spawners and fracwild from Lewis R. (NMFS\_POPID 14) for 2010 to 2019.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 2490 | 0.640 |
| 2011 | 2364 | 0.707 |
| 2012 | 1950 | 0.677 |
| 2015 | 7653 | 0.453 |
| 2016 | 4854 | 0.456 |
| 2017 | 3781 | 0.527 |
| 2018 | 2243 | 0.633 |
| 2019 | 2020 | 0.735 |
| gt |  |  |

### 3.3.13 Sandy R.

Table 3.13: Spawners and fracwild from Sandy R. (NMFS\_POPID 20) for 2010 to 2019.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 1713 | -99.000 |
| 2011 | 1635 | -99.000 |
| 2012 | 570 | -99.000 |
| 2013 | 2489 | -99.000 |
| 2014 | 565 | -99.000 |
| 2015 | 2006 | -99.000 |
| 2016 | 1281 | -99.000 |
| 2017 | 1403 | -99.000 |
| 2018 | 4347 | -99.000 |
| 2019 | 2449 | -99.000 |
| 2013 | 2413 | 0.907 |
| 2014 | 1658 | 0.871 |
| 2015 | 3023 | 0.885 |
| 2016 | 3615 | 0.952 |
| 2017 | 5706 | 0.915 |
| 2018 | 2900 | 0.913 |
| gt |  |  |

### 3.3.14 Clackamas R.

Table 3.14: Spawners and fracwild from Clackamas R. (NMFS\_POPID 4) for 2012 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2012 | 321 | 0.187 |
| 2013 | 422 | 0.924 |
| 2014 | 183 | 0.694 |
| 2015 | 308 | 0.623 |
| 2016 | 910 | 0.781 |
| 2017 | 90 | 0.378 |
| 2018 | 709 | 0.949 |
| gt |  |  |

### 3.3.15 Washougal R.

Table 3.15: Spawners and fracwild from Washougal R. (NMFS\_POPID 30) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 5530 | 0.107 |
| 2011 | 3224 | 0.146 |
| 2012 | 965 | 0.262 |
| 2013 | 3612 | 0.331 |
| 2014 | 1529 | 0.653 |
| 2015 | 2925 | 0.456 |
| 2016 | 2198 | 0.400 |
| 2017 | 1112 | 0.592 |
| 2018 | 1019 | 0.886 |
| gt |  |  |

### 3.3.16 Lewis R. Bright

Table 3.16: Spawners and fracwild from Lewis R. Bright (NMFS\_POPID 13) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 9294 | 1 |
| 2011 | 8205 | 1 |
| 2012 | 8143 | 1 |
| 2013 | 17022 | 1 |
| 2014 | 20489 | 1 |
| 2015 | 18635 | 1 |
| 2016 | 9311 | 1 |
| 2017 | 7149 | 1 |
| 2018 | 4671 | 1 |
| gt |  |  |

### 3.3.17 NF Lewis R.

Table 3.17: Spawners and fracwild from NF Lewis R. (NMFS\_POPID 18) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 157 | -99 |
| 2011 | 90 | -99 |
| 2012 | 190 | -99 |
| 2013 | 60 | -99 |
| 2014 | 403 | -99 |
| 2015 | 147 | -99 |
| 2016 | 49 | -99 |
| 2017 | 68 | -99 |
| 2018 | 326 | -99 |
| gt |  |  |

### 3.3.18 Low. Gorge Tribs.

Table 3.18: Spawners and fracwild from Low. Gorge Tribs. (NMFS\_POPID 16) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 670 | 0.954 |
| 2011 | 1246 | 0.948 |
| 2012 | 671 | 0.941 |
| 2013 | 1554 | 0.782 |
| 2014 | 1451 | 0.820 |
| 2015 | 1569 | 0.921 |
| 2016 | 8514 | 0.968 |
| 2017 | 2268 | 0.971 |
| 2018 | 16221 | 0.988 |
| gt |  |  |

### 3.3.19 Up. Gorge Tribs.

Table 3.19: Spawners and fracwild from Up. Gorge Tribs. (NMFS\_POPID 29) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 565 | 0.781 |
| 2011 | 3084 | 0.369 |
| 2012 | 1090 | 0.309 |
| 2013 | 2239 | 0.272 |
| 2014 | 2191 | 0.246 |
| 2015 | 3826 | 0.320 |
| 2016 | 1231 | 0.442 |
| 2017 | 697 | 0.826 |
| 2018 | 303 | 0.716 |
| gt |  |  |

### 3.3.20 Big White Salmon R.

Table 3.20: Spawners and fracwild from Big White Salmon R. (NMFS\_POPID 31) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 1887 | 0.725 |
| 2011 | 723 | 0.885 |
| 2012 | 593 | 0.936 |
| 2013 | 984 | 0.658 |
| 2014 | 1034 | 0.775 |
| 2015 | 773 | 0.485 |
| 2016 | 565 | 0.680 |
| 2017 | 747 | 0.538 |
| 2018 | 194 | 0.568 |
| 2013 | 88 | 0.170 |
| 2014 | 217 | 0.097 |
| 2015 | 94 | 0.160 |
| 2016 | 54 | 0.111 |
| 2017 | 15 | 0.333 |
| 2018 | 82 | 0.110 |
| gt |  |  |

# 4. Interior Columbia Snake River Chinook steelhead

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## 4.1 General location

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| Figure 4.1: Interior Columbia Snake River Chinook steelhead. Map of the general location of the ESU. |

## 4.2 Recent trends

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| Figure 4.2: Interior Columbia Snake River Chinook steelhead. Log spawner count trends. |

## 4.3 Population raw data

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### 4.3.1 Asotin Ck.

Table 4.1: Spawners and fracwild from Asotin Ck. (NMFS\_POPID 300) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 1418 | 1.00 |
| 2011 | 1132 | 1.00 |
| 2012 | 930 | 0.98 |
| 2013 | 540 | 1.00 |
| 2014 | 542 | 0.98 |
| 2015 | 841 | 1.00 |
| 2016 | 583 | 1.00 |
| 2017 | 316 | 0.99 |
| 2018 | 169 | 0.99 |
| gt |  |  |

### 4.3.2 Joseph Ck.

Table 4.2: Spawners and fracwild from Joseph Ck. (NMFS\_POPID 310) for 2010 to 2017.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 1831 | 1.00 |
| 2011 | 5810 | 0.97 |
| 2012 | 1357 | 0.96 |
| 2013 | 2197 | 0.98 |
| 2014 | 2720 | 0.97 |
| 2015 | 2969 | 0.98 |
| 2016 | 1663 | 0.96 |
| 2017 | 1610 | 0.97 |
| gt |  |  |

### 4.3.3 Grande Ronde R. Up. Mainstem

Table 4.3: Spawners and fracwild from Grande Ronde R. Up. Mainstem (NMFS\_POPID 306) for 2010 to 2018.

| Year | Spawners | Fracwild |
| --- | --- | --- |
| 2010 | 2876 | 0.95 |
| 2011 | 3275 | 1.00 |
| 2012 | 3260 | 1.00 |
| 2013 | 1553 | 0.99 |
| 2014 | 2512 | 1.00 |
| 2015 | 4939 | 0.99 |
| 2016 | 2572 | 0.99 |
| 2017 | 1733 | 0.98 |
| 2018 | 341 | 1.00 |
| gt |  |  |

# 5. Conclusion

We want to reference the Interior Columbia Upper Columbia Entiat population [Table 2.2](#tbl-rawICUCchinook-100). It is in Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam commodo sit amet nibh non molestie. Maecenas hendrerit nisl velit, a condimentum enim lobortis sit amet. Ut vitae nunc sed mauris condimentum fermentum. Mauris pellentesque nec neque id elementum. Suspendisse a quam aliquam, facilisis urna venenatis, malesuada diam. Pellentesque in fringilla orci. Cras sed purus urna. Ut pharetra enim ut ligula egestas mattis. I need to reference the work of Hardy (1978).

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