

Figure 6.–Sockeye salmon wild (Not Marked) and hatchery (all others) stock contributions to the Southern District set gillnet (SGN) commercial harvest by statistical week, 2018–2022. *Note: Not Marked=wild stock, LCI=Lower Cook Inlet hatchery mark, PWS=Prince William Sound hatchery mark, KOD=Kodiak hatchery mark, Other=Upper Cook Inlet hatchery mark.*

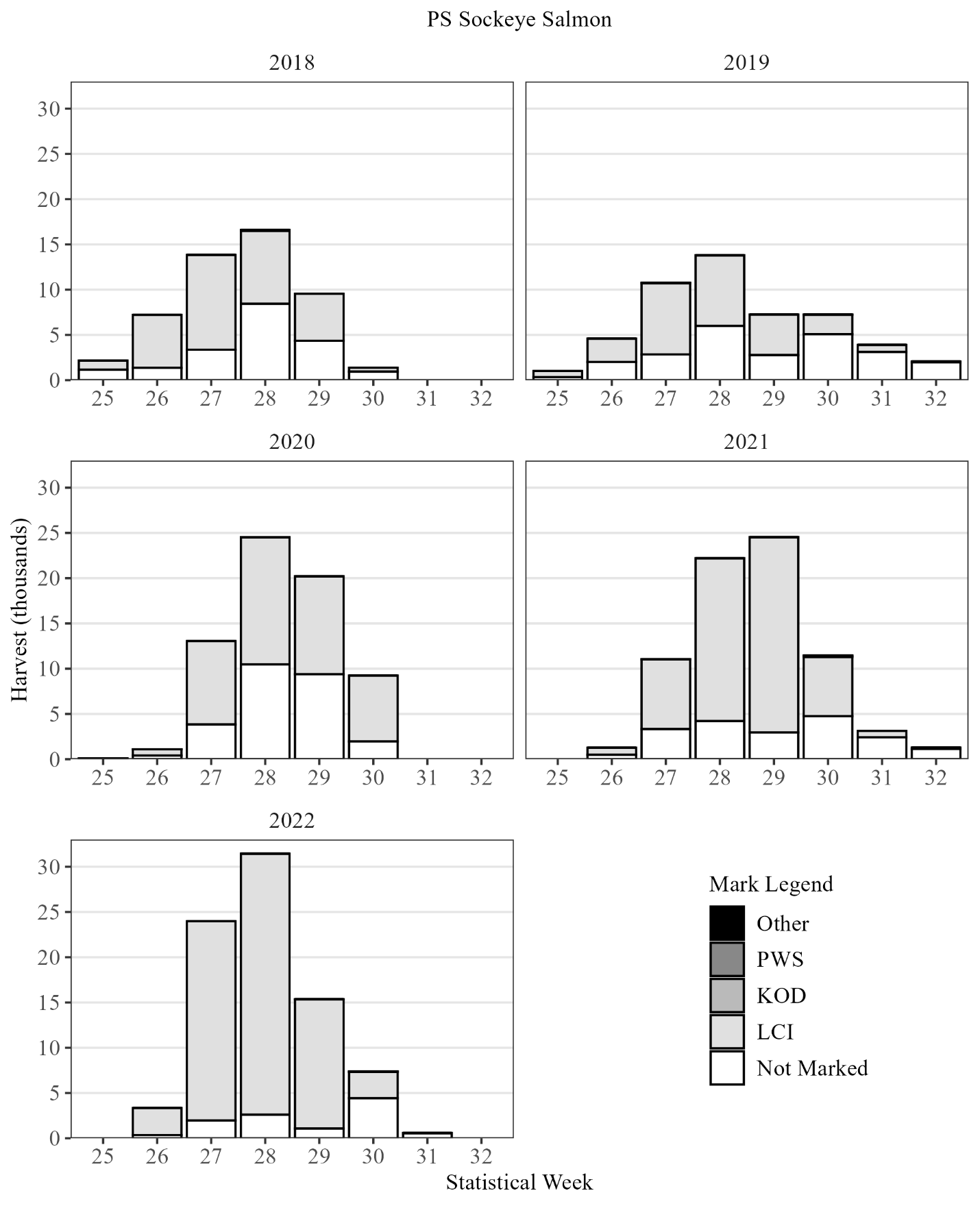


Figure 7.–Sockeye salmon wild (Not Marked) and hatchery (all others) stock contributions to the Southern District purse seine (PS) commercial harvest by statistical week, 2018–2022. *Note: Not Marked=wild stock, LCI=Lower Cook Inlet hatchery mark, PWS=Prince William Sound hatchery mark, KOD=Kodiak hatchery mark, Other=Upper Cook Inlet hatchery mark.*

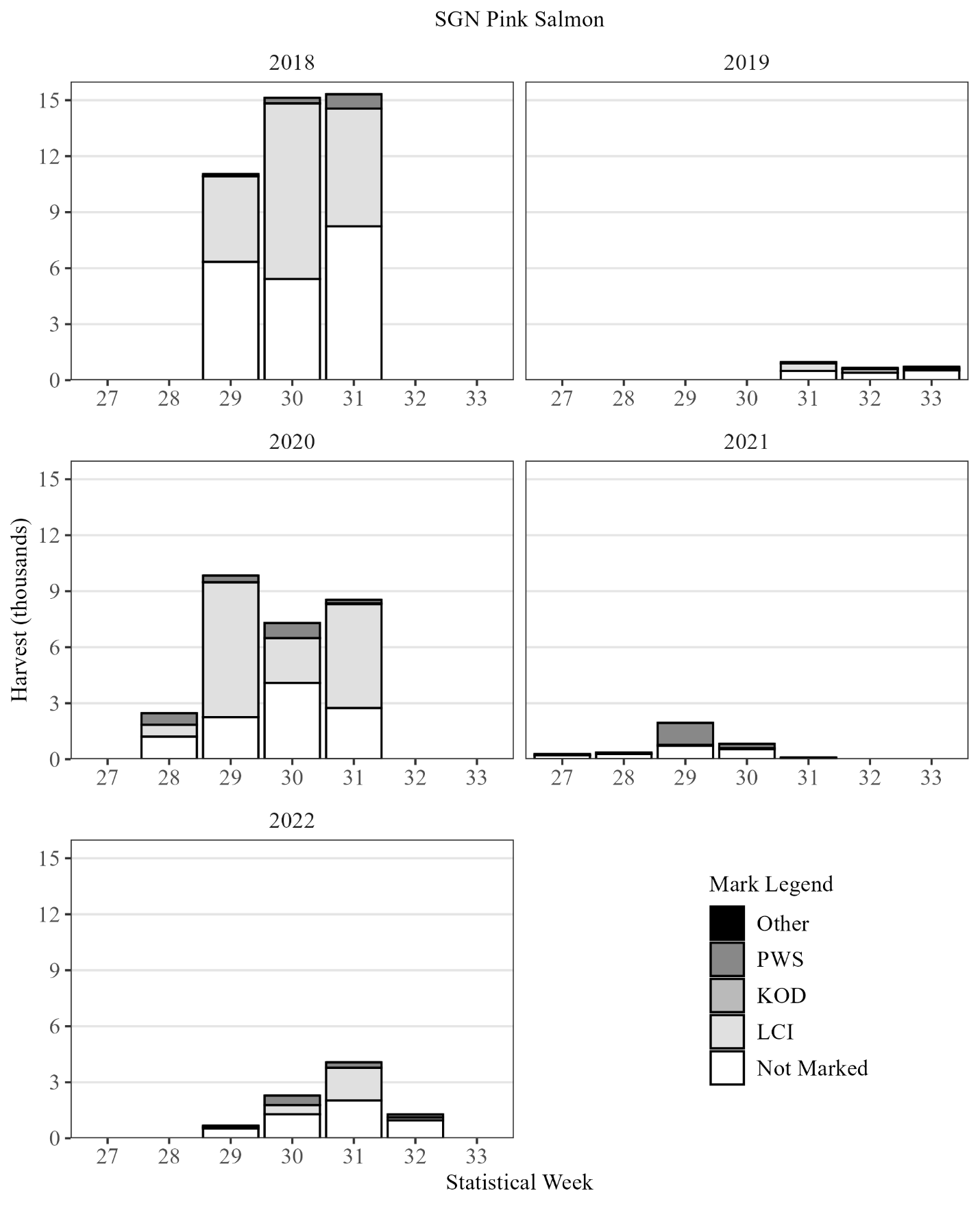


Figure 8.–Pink salmon wild (Not Marked) and hatchery (all others) stock contributions to the Southern District set gillnet (SGN) commercial harvest by statistical week, 2018–2022. *Note: Not Marked=wild stock, LCI=Lower Cook Inlet hatchery mark, PWS=Prince William Sound hatchery mark, KOD=Kodiak hatchery mark, Other=Upper Cook Inlet hatchery mark.*

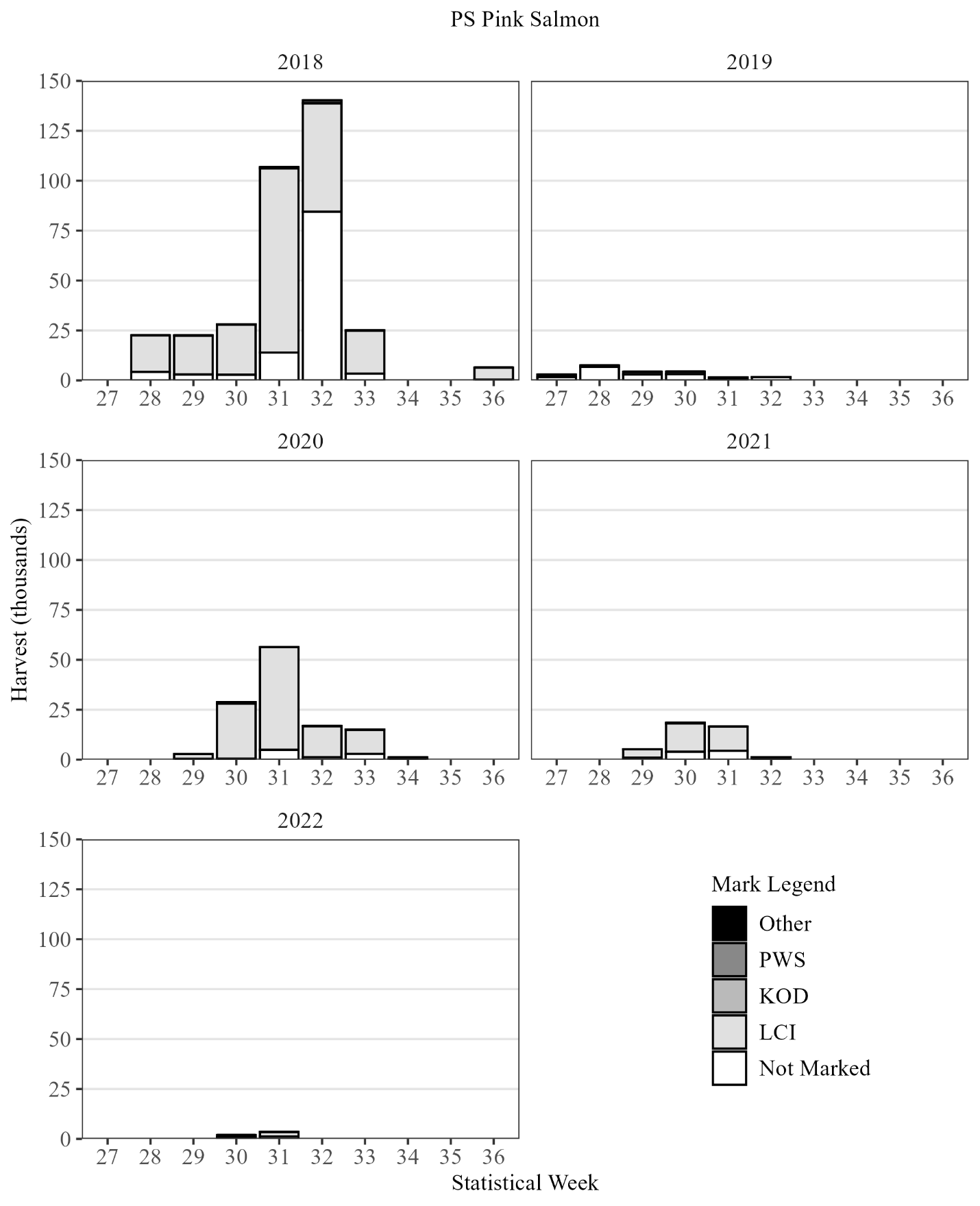


Figure 9.–Pink salmon wild (Not Marked) and hatchery (all others) stock contributions to the Southern District set purse seine (PS) commercial harvest by statistical week, 2018–2022. *Note: Not Marked=wild stock, LCI=Lower Cook Inlet hatchery mark, PWS=Prince William Sound hatchery mark, KOD=Kodiak hatchery mark, Other=Upper Cook Inlet hatchery mark.*

Table .–Summary of commercial harvest and cost recovery samples collected in the Southern District, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Species | Gear  typea | Commercial Harvest | |  | Cost Recovery | |  | Total | |
| # events | # samples |  | # events | # samples |  | # events | # samples |
|  |  |  |  |  |  |  |  |  |  |  |
| 2018 | Sockeye | SGN | 27 | 2,079 |  | 0 | 0 |  | 27 | 2,079 |
| PS | 20 | 1,119 |  | 1 | 60 |  | 21 | 1,179 |
| Pink | SGN | 6 | 571 |  | 0 | 0 |  | 6 | 571 |
| PS | 22 | 1,709 |  | 1 | 89 |  | 23 | 1,798 |
|  | Total |  | 75 | 5,478 |  | 2 | 149 |  | 77 | 5,627 |
|  |  |  |  |  |  |  |  |  |  |  |
| 2019 | Sockeye | SGN | 31 | 2,545 |  | 0 | 0 |  | 31 | 2,545 |
| PS | 41 | 1,976 |  | 1 | 96 |  | 42 | 2,072 |
| Pink | SGN | 3 | 285 |  | 0 | 0 |  | 3 | 285 |
| PS | 20 | 615 |  | 0 | 0 |  | 20 | 615 |
|  | Total |  | 95 | 5,421 |  | 1 | 96 |  | 96 | 5,517 |
|  |  |  |  |  |  |  |  |  |  |  |
| 2020 | Sockeye | SGN | 26 | 1,862 |  | 0 | 0 |  | 26 | 1,862 |
| PS | 22 | 1,314 |  | 0 | 0 |  | 22 | 1,314 |
| Pink | SGN | 9 | 766 |  | 0 | 0 |  | 9 | 766 |
| PS | 17 | 1,028 |  | 0 | 0 |  | 17 | 1,028 |
|  | Total |  | 74 | 4,970 |  | 0 | 0 |  | 74 | 4,970 |
|  |  |  |  |  |  |  |  |  |  |  |
| 2021 | Sockeye | SGN | 26 | 2,243 |  | 0 | 0 |  | 26 | 2,243 |
| PS | 30 | 1,440 |  | 1 | 96 |  | 31 | 1,536 |
| Pink | SGN | 10 | 762 |  | 0 | 0 |  | 10 | 762 |
| PS | 13 | 816 |  | 2 | 190 |  | 15 | 1,006 |
|  | Total |  | 79 | 5,261 |  | 3 | 286 |  | 82 | 5,547 |
|  |  |  |  |  |  |  |  |  |  |  |
| 2022 | Sockeye | SGN | 20 | 1,769 |  | 0 | 0 |  | 20 | 1,769 |
| PS | 20 | 1,389 |  | 2 | 191 |  | 22 | 1,580 |
| Pink | SGN | 6 | 448 |  | 0 | 0 |  | 6 | 448 |
| PS | 3 | 206 |  | 1 | 96 |  | 4 | 302 |
|  | Total |  | 49 | 3,812 |  | 3 | 287 |  | 52 | 4,099 |
|  |  |  |  |  |  |  |  |  |  |  |
| All years | Sockeye | SGN | 130 | 10,498 |  | 0 | 0 |  | 130 | 10,498 |
| PS | 133 | 7,238 |  | 5 | 443 |  | 138 | 7,681 |
| Pink | SGN | 34 | 2,832 |  | 0 | 0 |  | 34 | 2,832 |
| PS | 75 | 4,374 |  | 4 | 375 |  | 79 | 4,749 |
|  | Total |  | 372 | 24,942 |  | 9 | 818 |  | 381 | 25,760 |

*a Gear type: SGN=Set Gillnet, PS=Purse Seine*

Table .–Summary of sampled and unsampled sockeye salmon commercial harvest (stratified by year, harvest type and gear) in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Harvest typea | Gear typeb | Sampled | |  | Unsampled | | Total harvest | Percent sampled |
| nc | Est. harvest |  | nc | Est. harvest |
| 2018 | CCP | SGN | 34 | 14,091 |  | 11 | 1,168 | 15,259 | 92.3% |
| 2018 | CCP | PS | 15 | 46,773 |  | 17 | 12,356 | 59,129 | 79.1% |
| 2018 | HCR | PS | 1 | 3,157 |  | 10 | 65,822 | 68,979 | 4.6% |
| 2019 | CCP | SGN | 39 | 29,353 |  | 3 | 28 | 29,381 | 99.9% |
| 2019 | CCP | PS | 26 | 42,874 |  | 15 | 7,778 | 50,652 | 84.6% |
| 2019 | HCR | PS | 1 | 1,220 |  | 6 | 11,366 | 12,586 | 9.7% |
| 2020 | CCP | SGN | 28 | 11,467 |  | 9 | 1,040 | 12,507 | 91.7% |
| 2020 | CCP | PS | 14 | 58,073 |  | 17 | 10,778 | 68,851 | 84.3% |
| 2020 | HCR | PS | 0 | 0 |  | 8 | 15,892 | 15,892 | 0.0% |
| 2021 | CCP | SGN | 27 | 12,621 |  | 4 | 502 | 13,123 | 96.2% |
| 2021 | CCP | PS | 17 | 59,022 |  | 13 | 15,947 | 74,969 | 78.7% |
| 2021 | HCR | PS | 1 | 21,596 |  | 4 | 13,473 | 35,069 | 61.6% |
| 2022 | CCP | SGN | 31 | 25,927 |  | 5 | 928 | 26,855 | 96.5% |
| 2022 | CCP | PS | 15 | 71,240 |  | 7 | 10,884 | 82,124 | 86.7% |
| 2022 | HCR | PS | 2 | 24,394 |  | 1 | 1,727 | 26,121 | 93.4% |
| Total Sum: | | | | 421,808 |  |  | 169,689 | 591,497 | 71.3% |
| Comm. Harvest (excl. HCR) Sum: | | | | 371,441 |  |  | 61,409 | 432,850 | 85.8% |
| Cost Recovery (HCR) Sum: | | | | 50,367 |  |  | 108,280 | 158,647 | 31.7% |
| Set Gillnet (SGN) Harvest Sum: | | | | 93,459 |  |  | 3,666 | 97,125 | 96.2% |
| Purse Seine (PS) Harvest Sum: | | | | 277,982 |  |  | 57,743 | 335,725 | 82.8% |

*aHarvest type: CH=Commercial harvest (excluding hatchery cost recovery), HCR=Hatchery cost recovery*

*bGear type: SGN=Set Gillnet, PS=Purse Seine*

*cn=number of sampled or unsampled events by strata (i.e., harvest by species, harvest type, and gear type)*

Table .–Summary of sampled and unsampled pink salmon commercial harvest (stratified by year, harvest type and gear) in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Harvest typea | Gear typeb | Sampled | |  | Unsampled | | Total harvest | Percent sampled |
| nc | Est. harvest |  | nc | Est. harvest |
| 2018 | CCP | SGN | 9 | 41,066 |  | 21 | 15,643 | 56,709 | 72.4% |
| 2018 | CCP | PS | 11 | 271,269 |  | 19 | 204,156 | 475,425 | 57.1% |
| 2018 | HCR | PS | 1 | 117,377 |  | 10 | 880,141 | 997,518 | 11.8% |
| 2019 | CCP | SGN | 7 | 2,347 |  | 23 | 4,076 | 6,423 | 36.5% |
| 2019 | CCP | PS | 13 | 14,444 |  | 28 | 8,561 | 23,005 | 62.8% |
| 2019 | HCR | PS | 0 | 0 |  | 6 | 179,659 | 179,659 | 0.0% |
| 2020 | CCP | SGN | 12 | 28,129 |  | 10 | 7,031 | 35,160 | 80.0% |
| 2020 | CCP | PS | 9 | 78,539 |  | 19 | 43,200 | 121,739 | 64.5% |
| 2020 | HCR | PS | 0 | 0 |  | 9 | 795,068 | 795,068 | 0.0% |
| 2021 | CCP | SGN | 14 | 3,492 |  | 4 | 8 | 3,500 | 99.8% |
| 2021 | CCP | PS | 8 | 34,161 |  | 20 | 7,746 | 41,907 | 81.5% |
| 2021 | HCR | PS | 2 | 160,655 |  | 3 | 142,514 | 303,169 | 53.0% |
| 2022 | CCP | SGN | 10 | 7,491 |  | 14 | 1,302 | 8,793 | 85.2% |
| 2022 | CCP | PS | 3 | 3,565 |  | 13 | 2,205 | 5,770 | 61.8% |
| 2022 | HCR | PS | 1 | 13,341 |  | 1 | 36,555 | 49,896 | 26.7% |
| Total Sum: | | | | 775,876 |  |  | 2,327,865 | 3,103,741 | 25.0% |
| Comm. Harvest (excl. HCR) Sum: | | | | 484,503 |  |  | 293,928 | 778,431 | 62.2% |
| Cost Recovery (HCR) Sum: | | | | 291,373 |  |  | 2,033,937 | 2,325,310 | 12.5% |
| Set Gillnet (SGN) Harvest Sum: | | | | 82,525 |  |  | 28,060 | 110,585 | 74.6% |
| Purse Seine (PS) Harvest Sum: | | | | 401,978 |  |  | 265,868 | 667,846 | 60.2% |

*aHarvest type: CH=Commercial harvest (excluding hatchery cost recovery), HCR=Hatchery cost recovery*

*bGear type: SGN=Set Gillnet, PS=Purse Seine*

*cn=number of sampled or unsampled events by strata (i.e., harvest by species, harvest type, and gear type)*

Table 5. –Annual hatchery contribution estimate and 95% CI for sockeye salmon harvested in the commercial set gillnet (SGN) fishery in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | na | Total harvest | Hatchery areab | Est. # (95% CI) | Est. % |  | Hatchery | |  | Wild | |
| Est. Total # (95% CI) | Est. Total % | Est. Total # (95% CI) | Est. Total % |
| 2018 | 2,079 | 15,259 | LCI | 2,397 (2,186-2,609) | 15.7% |  | 2,678 (2,451-2,906) | 17.6% |  | 12,581  (12,353-12,808) | 82.4% |
| PWS | 169 (106-231) | 1.1% |  |  |
| KOD | 113 (62-164) | 0.7% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |
| 2019 | 2,545 | 29,381 | LCI | 2,468 (2,157-2,780) | 8.4% |  | 2,807 (2,470-3,144) | 9.6% |  | 26,574 (26,237-26,911) | 90.4% |
| PWS | 112 (39-184) | 0.4% |  |  |
| KOD | 227 (123-331) | 0.8% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |
| 2020 | 1,862 | 12,097 | LCI | 749 (639-859) | 6.2% |  | 928 (800-1,055) | 7.7% |  | 11,169 (11,042-11,297) | 92.3% |
| PWS | 128 (73-182) | 1.1% |  |  |
| KOD | 51 (22-81) | 0.4% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |
| 2021 | 2,243 | 13,123 | LCI | 1,501 (1,174-1,828.8) | 11.4% |  | 1,620 (1,287-1,953) | 12.3% |  | 11,503 (11,170-11,836) | 87.7% |
| PWS | 78 (52-103.2) | 0.6% |  |  |
| KOD | 41 (0-99.8) | 0.3% |  |  |
| Other | 0 (0-0.0) | 0.0% |  |  |
| 2022 | 1,769 | 26,855 | LCI | 2,596 (2,377-2,816) | 9.7% |  | 3,555 (3,101-4,010) | 13.2% |  | 23,300 (22,845-23,754) | 86.8% |
| PWS | 460 (222-697) | 1.7% |  |  |
| KOD | 479 (159-798) | 1.8% |  |  |
| Other | 20 (3-38) | 0.1% |  |  |

*an: number of sampled otoliths by strata (i.e., species, harvest type, gear type, and year)*

*bHatchery area: LCI=Lower Cook Inlet hatchery mark, PWS=Prince William Sound hatchery mark, KOD=Kodiak hatchery mark, Other=Upper Cook Inlet hatchery mark*

Table 6. –Annual hatchery contribution estimate and 95% CI for sockeye salmon harvested in the commercial purse seine (PS) fishery in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | na | Total harvest | Hatchery areab | Est. # (95% CI) | Est. % |  | Hatchery | |  | Wild | |
| Est. Total # (95% CI) | Est. Total % | Est. Total # (95% CI) | Est. Total % |
| 2018 | 1,119 | 59,129 | LCI | 40,059 (38,458-41,661) | 67.7% |  | 40,107 (38,503-41,710) | 67.8% |  | 19,022 (17,419-20,626) | 32.2% |
| PWS | 0 (0-0) | 0.0% |  |  |
| KOD | 47 (0-137) | 0.1% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |
| 2019 | 1,976 | 50,652 | LCI | 23,916 (22,779-25,053) | 47.2% |  | 23,960 (22,821-25,099) | 47.3% |  | 26,692 (25,553-27,831) | 52.7% |
| PWS | 0 (0-0) | 0.0% |  |  |
| KOD | 44 (0-105) | 0.1% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |
| 2020 | 1,314 | 68,851 | LCI | 40,656 (38,659-42,654) | 59.0% |  | 40,721 (38,718-42,724) | 59.1% |  | 28,130 (26,127-30,133) | 40.9% |
| PWS | 0 (0-0) | 0.0% |  |  |
| KOD | 65 (0-188) | 0.1% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |
| 2021 | 1,440 | 74,969 | LCI | 51,818 (50,112.5-53,523) | 69.1% |  | 52,071 (50,350-53,792) | 69.5% |  | 22,898 (21,177-24,619) | 30.5% |
| PWS | 51 (0.0-149) | 0.1% |  |  |
| KOD | 203 (6.8-399) | 0.3% |  |  |
| Other | 0 (0.0-0) | 0.0% |  |  |
| 2022 | 1,389 | 82,124 | LCI | 69,589 (67,941-71,238) | 84.7% |  | 69,795 (68,126-71,465) | 85.0% |  | 12,329 (10,659-13,998) | 15.0% |
| PWS | 93 (0-276) | 0.1% |  |  |
| KOD | 20 (0-57) | 0.0% |  |  |
| Other | 93 (0-276) | 0.1% |  |  |

*an: number of sampled otoliths by strata (i.e., species, harvest type, gear type, and year)*

*bHatchery area: LCI=Lower Cook Inlet hatchery mark, PWS=Prince William Sound hatchery mark, KOD=Kodiak hatchery mark, Other=Upper Cook Inlet hatchery mark*

Table 7. –Annual hatchery contribution estimate and 95% CI for pink salmon harvested in the commercial set gillnet (SGN) fishery in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | na | Total harvest | Hatchery areab | Est. # (95% CI) | Est. % |  | Hatchery | |  | Wild | |
| Est. Total # (95% CI) | Est. Total % | Est. Total # (95% CI) | Est. Total % |
| 2018 | 571 | 56,709 | LCI | 28,197 (26,023-30,370) | 49.7% |  | 29,903 (27,594-32,212) | 52.7% |  | 26,806 (24,497-29,115) | 47.3% |
| PWS | 1,706 (932-2,480) | 3.0% |  |  |
| KOD | 0 (0-0) | 0.0% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |
| 2019 | 285 | 6,421 | LCI | 1,904 (1,659-2,149) | 29.6% |  | 2,507 (2,215-2,799) | 39.1% |  | 3,914 (3,622-4,206) | 60.9% |
| PWS | 604 (447-761) | 9.4% |  |  |
| KOD | 0 (0-0) | 0.0% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |
| 2020 | 766 | 35,160 | LCI | 16,983 (16,313-17,654) | 48.3% |  | 20,518 (19,736-21,300) | 58.4% |  | 14,642 (13,860-15,424) | 41.6% |
| PWS | 3,488 (3,089-3,888) | 9.9% |  |  |
| KOD | 46 (0-93) | 0.1% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |
| 2021 | 762 | 3,500 | LCI | 167 (97-238) | 4.8% |  | 940 (764-1,117) | 26.9% |  | 2,560 (2,383-2,736) | 73.1% |
| PWS | 773 (612-934) | 22.1% |  |  |
| KOD | 0 (0-0) | 0.0% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |
| 2022 | 448 | 8,793 | LCI | 2,007 (1,737-2,278) | 22.9% |  | 3,104 (2,736-3,473) | 35.4% |  | 5,670 (5,301-6,038) | 64.6% |
| PWS | 1,097 (850-1,344) | 12.5% |  |  |
| KOD | 0 (0-0) | 0.0% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |

*an: number of sampled otoliths by strata (i.e., species, harvest type, gear type, and year)*

*bHatchery area: LCI=Lower Cook Inlet hatchery mark, PWS=Prince William Sound hatchery mark, KOD=Kodiak hatchery mark, Other=Upper Cook Inlet hatchery mark*

Table 8. –Annual hatchery contribution estimate and 95% CI for pink salmon harvested in the commercial purse seine (PS) fishery in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | na | Total harvest | Hatchery areab | Est. # (95% CI) | Est. % |  | Hatchery | |  | Wild | |
| Est. Total # (95% CI) | Est. Total % | Est. Total # (95% CI) | Est. Total % |
| 2018 | 1,709 | 475,425 | LCI | 243,339 (221,563-265,115) | 51.2% |  | 247,783 (225,456-270,109) | 52.1% |  | 227,642 (205,316-249,969) | 47.9% |
| PWS | 4,443 (0-9,371) | 0.9% |  |  |
| KOD | 0 (0-0) | 0.0% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |
| 2019 | 615 | 23,005 | LCI | 5,008 (4,230-5,786) | 21.8% |  | 5,121 (4,337-5,905) | 22.3% |  | 17,884 (17,100-18,668) | 77.7% |
| PWS | 113 (15-211) | 0.5% |  |  |
| KOD | 0 (0-0) | 0.0% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |
| 2020 | 1,028 | 121,739 | LCI | 110,963 (108,735-113,192) | 91.1% |  | 112,112 (109,709-114,515) | 92.1% |  | 9,627 (7,224-12,030) | 7.9% |
| PWS | 1,149 (251-2,047) | 0.9% |  |  |
| KOD | 0 (0-0) | 0.0% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |
| 2021 | 816 | 41,907 | LCI | 30,295 (29,003-31,586) | 72.3% |  | 30,799 (29,466-32,131) | 73.5% |  | 11,108 (9,776-12,441) | 26.5% |
| PWS | 436 (140-732) | 1.0% |  |  |
| KOD | 68 (0-196) | 0.2% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |
| 2022 | 206 | 5,767 | LCI | 3,584 (3,324-3,845) | 62.2% |  | 3,595 (3,334-3,856) | 62.3% |  | 2,172 (1,911-2,433) | 37.7% |
| PWS | 11 (0-22) | 0.2% |  |  |
| KOD | 0 (0-0) | 0.0% |  |  |
| Other | 0 (0-0) | 0.0% |  |  |

*an: number of sampled otoliths by strata (i.e., species, harvest type, gear type, and year)*

*bHatchery area: LCI=Lower Cook Inlet hatchery mark, PWS=Prince William Sound hatchery mark, KOD=Kodiak hatchery mark, Other=Upper Cook Inlet hatchery mark*

Appendix B.–Sockeye salmon hatchery marks identified in LCI commercial harvests, their estimated total contribution to the harvest (2018–2022), and hatchery release details pertaining to each Mark ID.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Areaa | Facilityb | Mark | Mark ID | Brood stock | Est. total harvestc | Year | | Total release | Release Site(s) |
| Brood | Release |
| LCI | TLH | 2,4H | BRADLEYPONDS15 | TUTKA LAGOON | 201 | 2015 | 2017 | 86,000 | PORT GRAHAM 241-20 |
| LCI | TLH | 2,3,2H | ENGLISHBAY12SMOLT | ENGLISH BAY LK | 3 | 2012 | 2014 | NA | NA |
| LCI | TLH | 5H | ENGLISHBAY13 | ENGLISH BAY LK | 45 | 2013 | 2014 | 209,000 | ENGLISH BAY L 241-30 |
| LCI | TLH | 4H | ENGLISHBAY14 | ENGLISH BAY LK | 538 | 2014 | 2015 | 200,200 | ENGLISH BAY L 241-30 |
| LCI | TLH | 4,1,3H | HAZEL13 | TUTKA LAGOON CR | 22,391 | 2013 | 2014 | 1,223,000 | HAZEL LK 241-15 (B) |
| LCI | TLH | 3,3H3 | HAZEL14 | TUTKA LAGOON CR | 18,494 | 2014 | 2015 | 621,000 | HAZEL LK 241-15 (B) |
| LCI | TLH | 4,1,3H | HAZEL16 | TUTKA LAGOON | 22,976 | 2016 | 2017 | 834,000 | HAZEL LK 241-15 (B) |
| LCI | TLH | 3,3H3 | HAZEL17 | TUTKA BAY H | 16,323 | 2017 | 2018 | 813,000 | HAZEL LK 241-15 (B) |
| LCI | TLH | H2,2,2 | HAZEL18 | TUTKA BAY H | 139 | 2018 | 2019 | 1,293,000 | HAZEL LK 241-15 (B) |
| LCI | TLH | H2,2 | LEISURE18 | TUTKA BAY H | 8,947 | 2018 | 2019 | 1,085,000 | LEISURE LK 241-15 |
| LCI | TLH | 2,2H | PENINSULA11SOCKEYE | TUTKA LAGOON | 44 | 2011 | 2012 | NA | LEISURE LK 241-15 |
| LCI | TLH | H2,2 | PENINSULA12SOCKEYE | HIDDEN LK 244-30 | 15 | 2012 | 2013 | NA | LEISURE LK 241-15 |
| LCI | TLH | 1,3H | PENINSULA13SOCKEYE | ENGLISH BAY LK | 45,079 | 2013 | 2014 | 217,000 | KIRSCHNER LK 249-75 (B) |
| LCI | TLH | 2,2H | PENINSULA14SOCKEYE | TUTKA LAGOON CR | 51,369 | 2014 | 2015 | 237,000 | KIRSCHNER LK 249-75 (B) |
| LCI | TLH | 1,3H | PENINSULA16SOCKEYE | TUTKA LAGOON | 46,769 | 2016 | 2017 | 260,000 | KIRSCHNER LK 249-75 (B) |
| LCI | TLH | 2,2H | PENINSULA17SOCKEYE | TUTKA BAY H | 41,903 | 2017 | 2018 | 244,000 | KIRSCHNER LK 249-75 (B) |
| LCI | TLH | 1,3H | TRAILLAKES14B | BEAR LK | 4 | 2014 | 2016 | 1,680,165 | RESURRECTION BAY 231-30 |
| LCI | TLH | 4H | TRAILLAKES13A | BEAR LK | 9 | 2013 | 2014 | 2,405,000 | BEAR LK 231-30 |
| LCI | TLH | 3,2H | TRAILLAKES14A | BEAR LK | 418 | 2014 | 2015 | 2,415,000 | BEAR LK 231-30 |
| LCI | TLH | 1,3H | TRAILLAKES14B | BEAR LK | 575 | 2014 | 2016 | 1,680,165 | RESURRECTION BAY 231-30 |
| LCI | TLH | 4,2H | TRAILLAKES15A | BEAR LK | 194 | 2015 | 2016 | 2,374,000 | BEAR LK 231-30 |
| LCI | TLH | 3,3,2H | TRAILLAKES15B | BEAR LK | 82 | 2015 | 2017 | 288,000 | BEAR CR 231-30 |
| LCI | TLH | 4H | TRAILLAKES16A | BEAR LK | 264 | 2016 | 2017 | 2,468,000 | BEAR LK 231-30 |
| LCI | TLH | 2,4H | TRAILLAKES16B | BEAR LK | 253 | 2016 | 2018 | 1,488,000 | RESURRECTION BAY 231-30 |
| LCI | TLH | 3,3H | TRAILLAKES17A | BEAR LK | 728 | 2017 | 2018 | 2,555,000 | BEAR LK 231-30 |
| LCI | TLH | 1,3H | TRAILLAKES17B | BEAR LK | 165 | 2017 | 2019 | 1,510,000 | RESURRECTION BAY 231-30 |
| LCI | TLH | 4,2H | TRAILLAKES18A | BEAR LK | 433 | 2018 | 2019 | 2,427,000 | BEAR LK 231-30 |
| LCI | TLH | 1,5H | TUTKA13 | TUTKA LAGOON CR | 4,032 | 2013 | 2015 | 523,500 | TUTKA BAY 241-16 |
| LCI | TLH | 4,2H | TUTKA14 | ENGLISH BAY LK | 15,185 | 2014 | 2016 | 531,625 | TUTKA BAY 241-16 |
| LCI | TLH | 3,5H | TUTKA15 | TUTKA LAGOON | 3,541 | 2015 | 2017 | 356,000 | TUTKA BAY 241-16 |
| LCI | TLH | 2,5H | TUTKA16 | ENGLISH BAY LK | 6,729 | 2016 | 2018 | 518,000 | TUTKA BAY 241-16 |
| LCI | TLH | 4,2H | TUTKA17 | TUTKA BAY H | 49,894 | 2017 | 2019 | 427,000 | TUTKA BAY 241-16 |
| LCI | TLH | 3,5H | TUTKA18 | TUTKA BAY H | 18,339 | 2018 | 2020 | 363,072 | TUTKA BAY 241-16 |
| PWS | MBH | 3H3 | MBH13A | MAIN BAY H | 30 | 2013 | 2015 | 2,340,000 | MAIN BAY 225-20 |
| PWS | MBH | 3H2,2 | MBH13B | MAIN BAY H | 5 | 2013 | 2015 | 2,250,000 | MAIN BAY 225-20 |
| PWS | MBH | 3H5 | MBH13C | MAIN BAY H | 9 | 2013 | 2015 | 2,260,000 | MAIN BAY 225-20 |
| PWS | MBH | 3H3,3 | MBH13D | MAIN BAY H | 28 | 2013 | 2015 | 2,240,000 | MAIN BAY 225-20 |
| PWS | MBH | 3H | MBH13E | MAIN BAY H | 14 | 2013 | 2015 | 1,640,000 | MAIN BAY 225-20 |
| PWS | MBH | 5H3 | MBH14A | MAIN BAY H | 83 | 2014 | 2016 | 1,780,000 | MAIN BAY 225-20 |
| PWS | MBH | 5H2,2 | MBH14B | MAIN BAY H | 14 | 2014 | 2016 | 1,920,000 | MAIN BAY 225-20 |
| PWS | MBH | 5H5 | MBH14C | MAIN BAY H | 15 | 2014 | 2016 | 2,070,000 | MAIN BAY 225-20 |
| PWS | MBH | 5H3,3 | MBH14D | MAIN BAY H | 18 | 2014 | 2016 | 2,040,000 | MAIN BAY 225-20 |
| PWS | MBH | 5H | MBH14E | MAIN BAY H | 3 | 2014 | 2016 | 2,230,000 | MAIN BAY 225-20 |
| PWS | MBH | 2,2H3 | MBH15A | MAIN BAY H | 24 | 2015 | 2017 | 1,956,000 | MAIN BAY 225-20 |
| PWS | MBH | 2,2H5 | MBH15C | MAIN BAY H | 11 | 2015 | 2017 | 1,938,000 | MAIN BAY 225-20 |
| PWS | MBH | 2,2H3,3 | MBH15D | MAIN BAY H | 20 | 2015 | 2017 | 2,170,000 | MAIN BAY 225-20 |
| PWS | MBH | 2,2H4 | MBH15E | MAIN BAY H | 19 | 2015 | 2017 | 2,270,000 | MAIN BAY 225-20 |
| PWS | MBH | 3H3 | MBH16A | MAIN BAY H | 42 | 2016 | 2018 | 2,058,000 | MAIN BAY 225-20 |
| PWS | MBH | 3H2,2 | MBH16B | MAIN BAY H | 8 | 2016 | 2018 | 2,040,000 | MAIN BAY 225-20 |
| PWS | MBH | 3H5 | MBH16C | MAIN BAY H | 4 | 2016 | 2018 | 2,110,000 | MAIN BAY 225-20 |
| PWS | MBH | 3H3,3 | MBH16D | MAIN BAY H | 15 | 2016 | 2018 | 2,030,000 | MAIN BAY 225-20 |
| PWS | MBH | 3H | MBH16E | MAIN BAY H | 38 | 2016 | 2018 | 2,002,000 | MAIN BAY 225-20 |
| PWS | MBH | 5H3 | MBH17A | MAIN BAY H | 69 | 2017 | 2019 | 2,210,000 | MAIN BAY 225-20 |
| PWS | MBH | 5H2,2 | MBH17B | MAIN BAY H | 220 | 2017 | 2019 | 2,180,000 | MAIN BAY 225-20 |
| PWS | MBH | 5H5 | MBH17C | MAIN BAY H | 52 | 2017 | 2019 | 2,132,000 | MAIN BAY 225-20 |
| PWS | MBH | 5H3,3 | MBH17D | MAIN BAY H | 66 | 2017 | 2019 | 2,162,000 | MAIN BAY 225-20 |
| PWS | MBH | 5H | MBH17E | MAIN BAY H | 69 | 2017 | 2019 | 2,210,000 | MAIN BAY 225-20 |
| PWS | MBH | 2,2H3 | MBH18A | MAIN BAY H | 15 | 2018 | 2020 | 1,857,324 | MAIN BAY 225-20 |
| PWS | MBH | 2,2H2,2 | MBH18B | MAIN BAY H | 15 | 2018 | 2020 | 1,874,154 | MAIN BAY 225-20 |
| PWS | MBH | 2,2H5 | MBH18C | MAIN BAY H | 30 | 2018 | 2020 | 2,035,411 | MAIN BAY 225-20 |
| PWS | MBH | 2,2H | MBH18E | MAIN BAY H | 119 | 2018 | 2020 | 2,016,833 | MAIN BAY 225-20 |
| KOD | KBH | 5,4H | KITOI14 | L KITOI LK 252-31 | 3 | 2014 | 2016 | 577,086 | LITTLE KITOI BAY 252-31 |
| KOD | KBH | 6,3H | KITOI15 | L KITOI LK 252-31 | 58 | 2015 | 2017 | 585,810 | LITTLE KITOI BAY 252-31 |
| KOD | KBH | 3H | KITOI16 | SALTERY LK 259-41 | 4 | 2016 | 2018 | 399,668 | LITTLE KITOI LK 252-31 |
| KOD | PCH | 3,4H | KODIAK13 | SALTERY LK 259-41 | 23 | 2013 | 2014 | 1,850,000 | SPIRIDON LK 254-40 |
| KOD | PCH | 4,3,2H | KODIAK13A | SALTERY LK 259-41 | 30 | 2013 | 2015 | 218,811 | ANTON LARSON BAY 259-32 |
| KOD | PCH | 3,3,3H | KODIAK14 | SALTERY LK 259-41 | 134 | 2014 | 2015 | 45,000 | JENNIFER LK 252-31 (B) |
| KOD | PCH | 4,4H | KODIAK14A | SALTERY LK 259-41 | 52 | 2014 | 2016 | 628,898 | TELROD COVE 254-40 |
| KOD | PCH | 6H | KODIAK15 | SALTERY LK 259-41 | 88 | 2015 | 2016 | 53,000 | JENNIFER LK 252-31 (B) |
| KOD | PCH | 5,2H | KODIAK15A | SALTERY LK 259-41 | 136 | 2015 | 2017 | 355,569 | TELROD COVE 254-40 |
| KOD | PCH | 3,3,3H | KODIAK17 | SALTERY LK 259-41 | 639 | 2017 | 2018 | 102,152 | JENNIFER LK 252-31 (B) |
| KOD | PCH | 4,4H | KODIAK17A | SALTERY LK 259-41 | 19 | 2017 | 2019 | 546,032 | TELROD COVE 254-40 |
| KOD | PCH | 6H | KODIAK18 | SALTERY LK 259-41 | 62 | 2018 | 2019 | 80,795 | JENNIFER LK 252-31 (B) |
| KOD | PCH | 5H | KODIAK18B | SALTERY LK 259-41 | 34 | 2018 | 2019 | 345,629 | SPIRIDON LK 254-40 |
| UCI | TLH | 2,1,2H | HIDDENLAKE17 | HIDDEN LK 244-30 | 15 | 2017 | 2018 | 1,271,000 | HIDDEN LK 244-30 |
| UCI | TLH | 3,2,1H | HIDDENLAKE18 | HIDDEN LK 244-30 | 104 | 2018 | 2019 | 1,094,000 | HIDDEN LK 244-30 |

*a Area: LCI=Lower Cook Inlet, PWS=Prince William Sound, KOD=Kodiak, UCI=Upper Cook Inlet*

*b Facility: TLH=Trail Lakes Hatchery, CIAA; MBH=Main Bay Hatchery, PWSAC; PCH=Pillar Bay Hatchery, KRAA*

*c Harvest total includes all commercial (set gillnet and purse seine) and hatchery cost recovery (HCR) harvests from 2018 to 2022*

Appendix C.–Pink salmon hatchery marks identified in LCI commercial harvests, their estimated total contribution to the harvest (2018–2022), and hatchery release details pertaining to each Mark ID.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Areaa | Facilityb | Mark | Mark ID | Brood stock | Est. total harvestc | Year | | Total release | Release Site(s) |
| Brood | Release |
| LCI | TBLH | 5,3H | TUTKA16PINK | TUTKA LAGOON | 789,163 | 2016 | 2017 | 3,421,276 | TUTKA BAY 241-16 |
| LCI | TBLH | 4,4H | TUTKA16PINKA | TUTKA LAGOON | 292,323 | 2016 | 2017 | 32,869,608 | TUTKA BAY 241-16 |
| LCI | TBLH | 5,3H | TUTKA17PINK | TUTKA BAY H | 5,840 | 2017 | 2018 | 21,881,986 | TUTKA BAY 241-16 |
| LCI | TBLH | 4,4H | TUTKA17PINKA | TUTKA BAY H | 786 | 2017 | 2018 | 28,158,014 | TUTKA BAY 241-16 |
| LCI | TBLH | 5,3H3 | TUTKA18PINK | TUTKA BAY H | 62,159 | 2018 | 2019 | 22,321,189 | TUTKA BAY 241-16 |
| LCI | TBLH | 4,4H3 | TUTKA18PINKA | TUTKA BAY H | 20,109 | 2018 | 2019 | 10,881,924 | TUTKA BAY 241-16 |
| LCI | TBLH | 4,3H | TUTKA18PINKB | TUTKA BAY H | 29,809 | 2018 | 2019 | 11,138,922 | TUTKA BAY 241-16 |
| LCI | TBLH | 2,3H | TUTKA18PINKC | TUTKA BAY H | 12,613 | 2018 | 2019 | 9,890,249 | TUTKA BAY 241-16 |
| LCI | TBLH | 6,3H | TUTKA19PINK | TUTKA BAY H | 149,114 | 2019 | 2020 | 11,157,973 | TUTKA BAY 241-16 |
| LCI | TBLH | 3,6H | TUTKA19PINKA | TUTKA BAY H | 76,099 | 2019 | 2020 | 6,044,518 | TUTKA BAY 241-16 |
| LCI | TBLH | 4,3,1H | TUTKA19PINKB | TUTKA BAY H | 60,468 | 2019 | 2020 | 10,482,458 | TUTKA BAY 241-16 |
| LCI | TBLH | 4,3H | TUTKA20PINKB | TUTKA BAY H | 50,438 | 2020 | 2021 | 71,907,183 | TUTKA BAY 241-16 |
| LCI | PGH | 5H3 | PORTGRAHAM16 | PORT GRAHAM H | 109,053 | 2016 | 2017 | 6,059,757 | PORT GRAHAM 241-20 |
| LCI | PGH | 5H3 | PORTGRAHAM17 | PORT GRAHAM H | 286 | 2017 | 2018 | 20,850,000 | PORT GRAHAM 241-20 |
| LCI | PGH | 5H3 | PORTGRAHAM18 | PORT GRAHAM H | 3,266 | 2018 | 2019 | 10,144,850 | PORT GRAHAM 241-20 |
| LCI | PGH | 5H3 | PORTGRAHAM19 | PORT GRAHAM H | 34 | 2019 | 2020 | 4,349,945 | PORT GRAHAM 241-20 |
| LCI | PGH | 5H3 | PORTGRAHAM20 | PORT GRAHAM H | 1,408 | 2020 | 2021 | 7,522,113 | PORT GRAHAM 241-20 |
| PWS | AFKH | 4H | AFK16B | A F KOERNIG H | 226 | 2016 | 2017 | 45,700,000 | SAWMILL BAY 226-40 |
| PWS | AFKH | 4H | AFK17B | A F KOERNIG H | 148 | 2017 | 2018 | 173,000,000 | SAWMILL BAY 226-40 |
| PWS | AFKH | 4H | AFK18B | A F KOERNIG H | 1,063 | 2018 | 2019 | 157,000,000 | SAWMILL BAY 226-40 |
| PWS | AFKH | 4H | AFK19B | A F KOERNIG H | 1,719 | 2019 | 2020 | 123,600,000 | SAWMILL BAY 226-40 |
| PWS | AFKH | 4H3 | AFK20A | A F KOERNIG H | 81 | 2020 | 2021 | 65,400,000 | SAWMILL BAY 226-40 |
| PWS | AFKH | 4H | AFK20B | A F KOERNIG H | 189 | 2020 | 2021 | 65,700,000 | SAWMILL BAY 226-40 |
| PWS | CCH | 3,3H | CCH16 | CANNERY CR | 296 | 2016 | 2017 | 149,000,000 | UNAKWIK INLET 222-22 |
| PWS | CCH | 3,3H | CCH17 | CANNERY CREEK H | 99 | 2017 | 2018 | 163,000,000 | UNAKWIK INLET 222-22 |
| PWS | CCH | 3,3H | CCH18 | CANNERY CREEK H | 230 | 2018 | 2019 | 102,900,000 | UNAKWIK INLET 222-22 |
| PWS | CCH | 3,3H | CCH19 | CANNERY CREEK H | 72 | 2019 | 2020 | 109,100,000 | UNAKWIK INLET 222-22 |
| PWS | CCH | 3,3H | CCH20 | CANNERY CREEK H | 38 | 2020 | 2021 | 85,235,000 | UNAKWIK INLET 222-22 |
| PWS | SGH | 6H | SGH16 | SOLOMON GULCH H | 3,721 | 2016 | 2017 | 36,804,772 | PORT VALDEZ 221-60 |
| PWS | SGH | 6H | SGH17 | SOLOMON GULCH H | 378 | 2017 | 2018 | 69,653,303 | PORT VALDEZ 221-60 |
| PWS | SGH | 6H | SGH18 | SOLOMON GULCH H | 3,165 | 2018 | 2019 | 50,006,602 | PORT VALDEZ 221-60 |
| PWS | SGH | 6H | SGH19 | SOLOMON GULCH H | 911 | 2019 | 2020 | 91,834,809 | PORT VALDEZ 221-60 |
| PWS | SGH | 6H | SGH20 | SOLOMON GULCH H | 769 | 2020 | 2021 | 158,177,313 | PORT VALDEZ 221-60 |
| PWS | WNH | 8H | WNH16PINKB | WALLY NOERENBERG H | 2,130 | 2016 | 2017 | 65,300,000 | LAKE BAY 223-40 |
| PWS | WNH | 8H | WNH17PINKB | WALLY NOERENBERG H | 90 | 2017 | 2018 | 130,100,000 | LAKE BAY 223-40 |
| PWS | WNH | 8H | WNH18PINKB | WALLY NOERENBERG H | 195 | 2018 | 2019 | 135,600,000 | LAKE BAY 223-40 |
| PWS | WNH | 8H | WNH19PINKB | WALLY NOERENBERG H | 37 | 2019 | 2020 | 132,500,000 | LAKE BAY 223-40 |
| PWS | WNH | 8H | WNH20PINKB | WALLY NOERENBERG H | 27 | 2020 | 2021 | 88,343,000 | LAKE BAY 223-40 |
| KOD | KBH | 7H | KITOI18PINK | KITOI BAY H | 33 | 2018 | 2019 | 29,049,062 | KITOI BAY 252-31 |
| KOD | KBH | 7H | KITOI19PINK | KITOI BAY H | 70 | 2019 | 2020 | 175,359,011 | KITOI BAY 252-31 |

*a Area: LCI=Lower Cook Inlet, PWS=Prince William Sound, KOD=Kodiak*

*b Facility: TBLH=Tutka Bay Lagoon Hatchery, CIAA; PGH=Port Graham Hatchery, CIAA; AFKH=Armin F. Koerning Hatchery, PWSAC; CCH=Cannery Creek Hatchery, PWSAC; SGH=Solomon Gulch Hatchery, VFDA; WNH=Wally Noeremberg Hatchery, PWSAC; KBH=Kitoi Bay Hatchery, KRAA*

*c Harvest total includes all commercial (set gillnet and purse seine) and hatchery cost recovery (HCR) harvests from 2018 to 2022*

Appendix D1.–Estimate of hatchery-region proportion and contribution for sockeye salmon harvested in the commercial set gillnet (SGN) fishery across statistical area in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Species | Harvest typea | Gear typeb | Statistical area | Total harvest | nc | Hatchery aread | | | | | | | | | | | | | |
| LCI | |  | PWS | |  | KOD | |  | Other | |  | Unmarked | |
| Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |
| 2018 | Sockeye | CCP | SGN | 24106 | 6,406 | 866 | 11.7% | 750 |  | 1.3% | 83 |  | 1.0% | 64 |  | 0.0% | 0 |  | 86.0% | 5,509 |
| 2018 | Sockeye | CCP | SGN | 24115 | 2,609 | 391 | 34.5% | 900 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 65.5% | 1,709 |
| 2018 | Sockeye | CCP | SGN | 24117 | 4,383 | 669 | 10.8% | 473 |  | 1.5% | 66 |  | 0.7% | 31 |  | 0.0% | 0 |  | 87.0% | 3,813 |
| 2018 | Sockeye | CCP | SGN | 24130 | 557 | 153 | 13.1% | 73 |  | 1.3% | 7 |  | 0.7% | 4 |  | 0.0% | 0 |  | 84.9% | 473 |
| 2019 | Sockeye | CCP | SGN | 24106 | 10,849 | 959 | 8.4% | 911 |  | 0.3% | 33 |  | 0.4% | 43 |  | 0.0% | 0 |  | 90.9% | 9,862 |
| 2019 | Sockeye | CCP | SGN | 24115 | 4,016 | 635 | 20.0% | 803 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 80.0% | 3,213 |
| 2019 | Sockeye | CCP | SGN | 24117 | 11,194 | 863 | 5.7% | 638 |  | 0.7% | 78 |  | 1.6% | 179 |  | 0.0% | 0 |  | 92.0% | 10,299 |
| 2019 | Sockeye | CCP | SGN | 24118 | 3,322 | 88 | 3.4% | 113 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 96.6% | 3,209 |
| 2020 | Sockeye | CCP | SGN | 24106 | 4,821 | 1,129 | 7.8% | 376 |  | 0.3% | 14 |  | 0.5% | 24 |  | 0.0% | 0 |  | 91.4% | 4,407 |
| 2020 | Sockeye | CCP | SGN | 24115 | 422 | 167 | 12.0% | 51 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 88.0% | 371 |
| 2020 | Sockeye | CCP | SGN | 24117 | 4,783 | 566 | 4.1% | 196 |  | 1.9% | 91 |  | 0.4% | 19 |  | 0.0% | 0 |  | 93.6% | 4,477 |
| 2021 | Sockeye | CCP | SGN | 24106 | 4,339 | 1,955 | 17.5% | 759 |  | 1.8% | 78 |  | 0.3% | 13 |  | 0.0% | 0 |  | 80.4% | 3,489 |
| 2021 | Sockeye | CCP | SGN | 24115 | 968 | 96 | 12.5% | 121 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 87.5% | 847 |
| 2021 | Sockeye | CCP | SGN | 24117 | 4,942 | 96 | 8.3% | 410 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 91.7% | 4,532 |
| 2021 | Sockeye | CCP | SGN | 24118 | 2,874 | 96 | 7.3% | 210 |  | 0.0% | 0 |  | 1.0% | 29 |  | 0.0% | 0 |  | 91.7% | 2,635 |
| 2022 | Sockeye | CCP | SGN | 24106 | 10,403 | 1,524 | 12.9% | 1,342 |  | 1.8% | 187 |  | 0.9% | 94 |  | 0.1% | 10 |  | 84.3% | 8,770 |
| 2022 | Sockeye | CCP | SGN | 24115 | 2,658 | 203 | 14.8% | 393 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 85.2% | 2,265 |
| 2022 | Sockeye | CCP | SGN | 24118 | 4,841 | 42 | 0.0% | 0 |  | 2.4% | 116 |  | 4.8% | 232 |  | 0.0% | 0 |  | 92.8% | 4,493 |
|  |  |  |  |  | 84,387 | 10,498 | 10.1% | 8,519 |  | 0.9% | 753 |  | 0.9% | 732 |  | 0.0% | 10 |  | 88.1% | 74,373 |

*a Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*b Gear type: SGN = Set gillnet, PS = Purse seine*

*c n: Number of sampled otoliths by strata*

*d Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark, Unmarked = wild fish*

Appendix D2.–Estimate of hatchery-region proportion and contribution for sockeye salmon harvested in the commercial purse seine (PS) fishery across statistical area in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Species | Harvest typea | Gear typeb | Statistical area | Total harvest | nc | Hatchery aread | | | | | | | | | | | | | |
| LCI | |  | PWS | |  | KOD | |  | Other | |  | Unmarked | |
| Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |
| 2018 | Sockeye | CCP | PS | 24106 | 10,469 | 134 | 71.6% | 7,496 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 28.4% | 2,973 |
| 2018 | Sockeye | CCP | PS | 24107 | 7,078 | 26 | 96.2% | 6,809 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 3.8% | 269 |
| 2018 | Sockeye | CCP | PS | 24115 | 2,077 | 141 | 30.5% | 633 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 69.5% | 1,444 |
| 2018 | Sockeye | CCP | PS | 24190 | 21,921 | 472 | 61.9% | 13,569 |  | 0.0% | 0 |  | 0.2% | 44 |  | 0.0% | 0 |  | 37.9% | 8,308 |
| 2018 | Sockeye | CCP | PS | 24191 | 16,539 | 346 | 65.6% | 10,850 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 34.4% | 5,689 |
| 2019 | Sockeye | CCP | PS | 24106 | 2,712 | 117 | 23.9% | 648 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 76.1% | 2,064 |
| 2019 | Sockeye | CCP | PS | 24115 | 5,298 | 317 | 12.9% | 683 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 87.1% | 4,615 |
| 2019 | Sockeye | CCP | PS | 24190 | 15,223 | 584 | 46.1% | 7,018 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 53.9% | 8,205 |
| 2019 | Sockeye | CCP | PS | 24191 | 8,293 | 148 | 57.4% | 4,760 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 42.6% | 3,533 |
| 2019 | Sockeye | CCP | PS | 24193 | 15,802 | 714 | 50.4% | 7,964 |  | 0.0% | 0 |  | 0.3% | 47 |  | 0.0% | 0 |  | 49.3% | 7,791 |
| 2019 | Sockeye | CCP | PS | 24192 | 3,324 | 96 | 85.4% | 2,839 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 14.6% | 485 |
| 2020 | Sockeye | CCP | PS | 24106 | 2,885 | 23 | 39.1% | 1,128 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 60.9% | 1,757 |
| 2020 | Sockeye | CCP | PS | 24190 | 13,551 | 128 | 45.3% | 6,139 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 54.7% | 7,412 |
| 2020 | Sockeye | CCP | PS | 24191 | 11,070 | 479 | 37.4% | 4,140 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 62.6% | 6,930 |
| 2020 | Sockeye | CCP | PS | 24193 | 54 | 52 | 42.3% | 23 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 57.7% | 31 |
| 2020 | Sockeye | CCP | PS | 24192 | 40,395 | 632 | 71.0% | 28,680 |  | 0.0% | 0 |  | 0.2% | 81 |  | 0.0% | 0 |  | 28.8% | 11,634 |
| 2021 | Sockeye | CCP | PS | 24106 | 15,568 | 307 | 55.0% | 8,562 |  | 0.3% | 47 |  | 1.3% | 202 |  | 0.0% | 0 |  | 43.4% | 6,757 |
| 2021 | Sockeye | CCP | PS | 24115 | 142 | 84 | 17.9% | 25 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 82.1% | 117 |
| 2021 | Sockeye | CCP | PS | 24190 | 9,791 | 155 | 57.4% | 5,620 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 42.6% | 4,171 |
| 2021 | Sockeye | CCP | PS | 24191 | 9,029 | 247 | 39.7% | 3,585 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 60.3% | 5,444 |
| 2021 | Sockeye | CCP | PS | 24193 | 8,872 | 153 | 75.2% | 6,672 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 24.8% | 2,200 |
| 2021 | Sockeye | CCP | PS | 24192 | 31,567 | 494 | 86.6% | 27,337 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 13.4% | 4,230 |
| 2022 | Sockeye | CCP | PS | 24106 | 897 | 94 | 7.4% | 66 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 92.6% | 831 |
| 2022 | Sockeye | CCP | PS | 24115 | 1,673 | 93 | 20.4% | 341 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 79.6% | 1,332 |
| 2022 | Sockeye | CCP | PS | 24190 | 7,122 | 79 | 82.3% | 5,861 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 17.7% | 1,261 |
| 2022 | Sockeye | CCP | PS | 24191 | 9,212 | 470 | 71.1% | 6,550 |  | 0.0% | 0 |  | 0.2% | 18 |  | 0.0% | 0 |  | 28.7% | 2,644 |
| 2022 | Sockeye | CCP | PS | 24193 | 11,280 | 96 | 87.5% | 9,870 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 12.5% | 1,410 |
| 2022 | Sockeye | CCP | PS | 24192 | 51,940 | 557 | 90.3% | 46,902 |  | 0.2% | 104 |  | 0.0% | 0 |  | 0.2% | 104 |  | 9.3% | 4,830 |
| Total sum: | | | | | 333,784 | 7,238 | 67.3% | 224,770 |  | 0.0% | 151 |  | 0.1% | 392 |  | 0.0% | 104 |  | 32.5% | 108,367 |

*a Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*b Gear type: SGN = Set gillnet, PS = Purse seine*

*c n: Number of sampled otoliths by strata*

*d Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark, Unmarked = wild fish*

Appendix D3.–Estimate of hatchery-region proportion and contribution for sockeye salmon harvested in the hatchery cost recovery (HCR) fishery across statistical area in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Species | Harvest typea | Gear typeb | Statistical area | Total harvest | nc | Hatchery aread | | | | | | | | | | | | | |
| LCI | |  | PWS | |  | KOD | |  | Other | |  | Unmarked | |
| Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |
| 2018 | Sockeye | HCR | PS | 24192 | 6,590 | 60 | 96.7% | 6,373 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 3.3% | 217 |
| 2019 | Sockeye | HCR | PS | 24192 | 1,990 | 96 | 99.0% | 1,970 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 1.0% | 20 |
| 2021 | Sockeye | HCR | PS | 24107 | 35,069 | 96 | 100.0% | 35,069 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |
| 2022 | Sockeye | HCR | PS | 24107 | 26,121 | 191 | 100.0% | 26,121 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |
| Total sum: | | | | | 69,770 | 443 | 99.7% | 69,533 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.3% | 237 |

*a Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*b Gear type: SGN = Set gillnet, PS = Purse seine*

*c n: Number of sampled otoliths by strata*

*d Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark, Unmarked = wild fish*

Appendix D4.–Estimate of hatchery-region proportion and contribution for pink salmon harvested in the commercial set gillnet (SGN) fishery across statistical area in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Species | Harvest typea | Gear typeb | Statistical area | Total harvest | nc | Hatchery aread | | | | | | | | | | | | | |
| LCI | |  | PWS | |  | KOD | |  | Other | |  | Unmarked | |
| Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |
| 2018 | Pink | CCP | SGN | 24106 | 31,721 | 285 | 61.4% | 19,477 |  | 3.2% | 1,015 |  | 0.0% | 0 |  | 0.0% | 0 |  | 35.4% | 11,229 |
| 2018 | Pink | CCP | SGN | 24117 | 22,451 | 286 | 33.2% | 7,454 |  | 2.8% | 629 |  | 0.0% | 0 |  | 0.0% | 0 |  | 64.0% | 14,368 |
| 2019 | Pink | CCP | SGN | 24106 | 3,312 | 190 | 35.3% | 1,169 |  | 8.9% | 295 |  | 0.0% | 0 |  | 0.0% | 0 |  | 55.8% | 1,848 |
| 2019 | Pink | CCP | SGN | 24118 | 1,342 | 95 | 15.8% | 212 |  | 10.5% | 141 |  | 0.0% | 0 |  | 0.0% | 0 |  | 73.7% | 989 |
| 2020 | Pink | CCP | SGN | 24106 | 18,894 | 766 | 48.3% | 9,126 |  | 9.9% | 1,871 |  | 0.1% | 19 |  | 0.0% | 0 |  | 41.7% | 7,878 |
| 2021 | Pink | CCP | SGN | 24106 | 987 | 590 | 4.7% | 46 |  | 39.0% | 385 |  | 0.0% | 0 |  | 0.0% | 0 |  | 56.3% | 556 |
| 2021 | Pink | CCP | SGN | 24117 | 1,739 | 159 | 6.9% | 120 |  | 18.9% | 329 |  | 0.0% | 0 |  | 0.0% | 0 |  | 74.2% | 1,290 |
| 2021 | Pink | CCP | SGN | 24118 | 770 | 13 | 0.0% | 0 |  | 7.7% | 59 |  | 0.0% | 0 |  | 0.0% | 0 |  | 92.3% | 711 |
| 2022 | Pink | CCP | SGN | 24106 | 3,626 | 408 | 28.9% | 1,048 |  | 12.5% | 453 |  | 0.0% | 0 |  | 0.0% | 0 |  | 58.6% | 2,125 |
| 2022 | Pink | CCP | SGN | 24118 | 2,111 | 40 | 12.5% | 264 |  | 12.5% | 264 |  | 0.0% | 0 |  | 0.0% | 0 |  | 75.0% | 1,583 |
| Total sum: | | | | | 86,953 | 2,832 | 44.8% | 38,916 |  | 6.3% | 5,441 |  | 0.0% | 19 |  | 0.0% | 0 |  | 49.0% | 42,577 |

*a Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*b Gear type: SGN = Set gillnet, PS = Purse seine*

*c n: Number of sampled otoliths by strata*

*d Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark, Unmarked = wild fish*

Appendix D5.–Estimate of hatchery-region proportion and contribution for pink salmon harvested in the commercial purse seine (PS) fishery across statistical area in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Species | Harvest typea | Gear typeb | Statistical area | Total harvest | nc | Hatchery aread | | | | | | | | | | | | | |
| LCI | |  | PWS | |  | KOD | |  | Other | |  | Unmarked | |
| Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |
| 2018 | Pink | CCP | PS | 24106 | 125,394 | 1,105 | 86.2% | 108,090 |  | 0.4% | 502 |  | 0.0% | 0 |  | 0.0% | 0 |  | 13.4% | 16,802 |
| 2018 | Pink | CCP | PS | 24107 | 30,365 | 362 | 88.1% | 26,752 |  | 0.6% | 182 |  | 0.0% | 0 |  | 0.0% | 0 |  | 11.3% | 3,431 |
| 2018 | Pink | CCP | PS | 24114 | 49 | 49 | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 100.0% | 49 |
| 2018 | Pink | CCP | PS | 24120 | 305,995 | 173 | 33.5% | 102,508 |  | 1.2% | 3,672 |  | 0.0% | 0 |  | 0.0% | 0 |  | 65.3% | 199,815 |
| 2018 | Pink | CCP | PS | 24190 | 3,861 | 20 | 25.0% | 965 |  | 5.0% | 193 |  | 0.0% | 0 |  | 0.0% | 0 |  | 70.0% | 2,703 |
| 2019 | Pink | CCP | PS | 24106 | 5,602 | 268 | 56.7% | 3,176 |  | 1.5% | 84 |  | 0.0% | 0 |  | 0.0% | 0 |  | 41.8% | 2,342 |
| 2019 | Pink | CCP | PS | 24115 | 1,387 | 48 | 0.0% | 0 |  | 2.1% | 29 |  | 0.0% | 0 |  | 0.0% | 0 |  | 97.9% | 1,358 |
| 2019 | Pink | CCP | PS | 24190 | 5,083 | 113 | 3.5% | 178 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 96.5% | 4,905 |
| 2019 | Pink | CCP | PS | 24191 | 5,847 | 48 | 16.7% | 976 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 83.3% | 4,871 |
| 2019 | Pink | CCP | PS | 24193 | 4,942 | 138 | 13.0% | 642 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 87.0% | 4,300 |
| 2020 | Pink | CCP | PS | 24106 | 71,552 | 330 | 94.5% | 67,617 |  | 1.2% | 859 |  | 0.0% | 0 |  | 0.0% | 0 |  | 4.3% | 3,076 |
| 2020 | Pink | CCP | PS | 24107 | 43,916 | 491 | 87.0% | 38,207 |  | 0.6% | 263 |  | 0.0% | 0 |  | 0.0% | 0 |  | 12.4% | 5,446 |
| 2020 | Pink | CCP | PS | 24120 | 853 | 150 | 70.7% | 603 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 29.3% | 250 |
| 2020 | Pink | CCP | PS | 24191 | 4,007 | 57 | 80.7% | 3,234 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 19.3% | 773 |
| 2021 | Pink | CCP | PS | 24106 | 33,853 | 520 | 76.2% | 25,796 |  | 1.0% | 339 |  | 0.2% | 68 |  | 0.0% | 0 |  | 22.6% | 7,650 |
| 2021 | Pink | CCP | PS | 24115 | 42 | 26 | 23.1% | 10 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 76.9% | 32 |
| 2021 | Pink | CCP | PS | 24191 | 6,078 | 270 | 51.1% | 3,106 |  | 1.5% | 91 |  | 0.0% | 0 |  | 0.0% | 0 |  | 47.4% | 2,881 |
| 2022 | Pink | CCP | PS | 24106 | 3,183 | 142 | 61.3% | 1,951 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 38.7% | 1,232 |
| 2022 | Pink | CCP | PS | 24191 | 426 | 64 | 68.8% | 293 |  | 1.6% | 7 |  | 0.0% | 0 |  | 0.0% | 0 |  | 29.6% | 126 |
| Total sum: | | | | | 652,435 | 4,374 | 58.9% | 384,104 |  | 1.0% | 6,221 |  | 0.0% | 68 |  | 0.0% | 0 |  | 40.2% | 262,042 |

*a Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*b Gear type: SGN = Set gillnet, PS = Purse seine*

*c n: Number of sampled otoliths by strata*

*d Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark, Unmarked = wild fish*

Appendix D6.–Estimate of hatchery-region proportion and contribution for pink salmon harvested in the hatchery cost recovery (HCR) fishery across statistical area in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Species | Harvest typea | Gear typeb | Statistical area | Total harvest | nc | Hatchery aread | | | | | | | | | | | | | |
| LCI | |  | PWS | |  | KOD | |  | Other | |  | Unmarked | |
| Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |
| 2018 | Pink | HCR | PS | 24107 | 939,967 | 89 | 92.1% | 865,710 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 7.9% | 74,257 |
| 2021 | Pink | HCR | PS | 24107 | 303,169 | 190 | 84.2% | 255,268 |  | 0.5% | 1,516 |  | 0.0% | 0 |  | 0.0% | 0 |  | 15.3% | 46,385 |
| 2022 | Pink | HCR | PS | 24107 | 49,896 | 96 | 92.7% | 46,254 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 7.3% | 3,642 |
| Total sum: | | | | | 1,293,032 | 375 | 90.3% | 1,167,232 |  | 0.1% | 1,516 |  | 0.0% | 0 |  | 0.0% | 0 |  | 9.6% | 124,284 |

*a Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*b Gear type: SGN = Set gillnet, PS = Purse seine*

*c n: Number of sampled otoliths by strata*

*d Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark, Unmarked = wild fish*

Appendix E1.–Estimate of hatchery-region proportion and contribution for sockeye salmon harvested in the commercial set gillnet (SGN) fishery across statistical area and statistical week in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Species | Harvest typea | Gear typeb | Statistical area | Statistical week | Total  harvest | nc | Hatchery aread | | | | | | | | | | | | | |
| LCI | |  | PWS | |  | KOD | |  | Other | |  | Unmarked | |
| Est.  % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |
| 2018 | Sockeye | CCP | SGN | 24106 | 23 | 103 | 26 | 15.4% | 16 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 84.6% | 87 |
| 2018 | Sockeye | CCP | SGN | 24106 | 24 | 280 | 96 | 9.4% | 26 |  | 1.0% | 3 |  | 0.0% | 0 |  | 0.0% | 0 |  | 89.6% | 251 |
| 2018 | Sockeye | CCP | SGN | 24106 | 25 | 444 | 96 | 15.6% | 69 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 84.4% | 375 |
| 2018 | Sockeye | CCP | SGN | 24106 | 26 | 1,107 | 96 | 15.6% | 173 |  | 2.1% | 23 |  | 3.1% | 34 |  | 0.0% | 0 |  | 79.2% | 877 |
| 2018 | Sockeye | CCP | SGN | 24106 | 27 | 1,005 | 96 | 14.6% | 147 |  | 5.2% | 52 |  | 2.1% | 21 |  | 0.0% | 0 |  | 78.1% | 785 |
| 2018 | Sockeye | CCP | SGN | 24106 | 28 | 938 | 168 | 16.7% | 157 |  | 0.6% | 6 |  | 0.6% | 6 |  | 0.0% | 0 |  | 82.1% | 770 |
| 2018 | Sockeye | CCP | SGN | 24106 | 29 | 1,158 | 96 | 2.1% | 24 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 97.9% | 1,134 |
| 2018 | Sockeye | CCP | SGN | 24106 | 30 | 650 | 96 | 10.4% | 68 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 89.6% | 582 |
| 2018 | Sockeye | CCP | SGN | 24106 | 31 | 276 | 96 | 4.2% | 12 |  | 2.1% | 6 |  | 3.1% | 9 |  | 0.0% | 0 |  | 90.6% | 250 |
| 2019 | Sockeye | CCP | SGN | 24106 | 23 | 485 | 96 | 4.2% | 20 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 95.8% | 465 |
| 2019 | Sockeye | CCP | SGN | 24106 | 24 | 232 | 96 | 11.5% | 27 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 88.5% | 205 |
| 2019 | Sockeye | CCP | SGN | 24106 | 25 | 703 | 96 | 4.2% | 30 |  | 0.0% | 0 |  | 2.1% | 15 |  | 0.0% | 0 |  | 93.8% | 659 |
| 2019 | Sockeye | CCP | SGN | 24106 | 26 | 928 | 96 | 6.2% | 58 |  | 0.0% | 0 |  | 2.1% | 19 |  | 0.0% | 0 |  | 91.7% | 851 |
| 2019 | Sockeye | CCP | SGN | 24106 | 27 | 1,032 | 95 | 9.5% | 98 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 90.5% | 934 |
| 2019 | Sockeye | CCP | SGN | 24106 | 28 | 1,458 | 96 | 21.9% | 319 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 78.1% | 1,139 |
| 2019 | Sockeye | CCP | SGN | 24106 | 29 | 1,041 | 96 | 6.2% | 65 |  | 1.0% | 10 |  | 0.0% | 0 |  | 0.0% | 0 |  | 92.7% | 965 |
| 2019 | Sockeye | CCP | SGN | 24106 | 30 | 2,450 | 96 | 9.4% | 230 |  | 1.0% | 24 |  | 0.0% | 0 |  | 0.0% | 0 |  | 89.6% | 2,195 |
| 2019 | Sockeye | CCP | SGN | 24106 | 31 | 1,253 | 96 | 3.1% | 39 |  | 1.0% | 13 |  | 0.0% | 0 |  | 0.0% | 0 |  | 95.8% | 1,200 |
| 2019 | Sockeye | CCP | SGN | 24106 | 32 | 1,224 | 96 | 8.3% | 102 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 91.7% | 1,122 |
| 2020 | Sockeye | CCP | SGN | 24106 | 24 | 382 | 192 | 10.4% | 40 |  | 0.5% | 2 |  | 0.5% | 2 |  | 0.0% | 0 |  | 88.5% | 338 |
| 2020 | Sockeye | CCP | SGN | 24106 | 25 | 265 | 96 | 8.3% | 22 |  | 0.0% | 0 |  | 2.1% | 6 |  | 0.0% | 0 |  | 89.6% | 237 |
| 2020 | Sockeye | CCP | SGN | 24106 | 26 | 497 | 148 | 12.8% | 64 |  | 0.0% | 0 |  | 0.7% | 3 |  | 0.0% | 0 |  | 86.5% | 430 |
| 2020 | Sockeye | CCP | SGN | 24106 | 27 | 830 | 192 | 8.3% | 69 |  | 0.5% | 4 |  | 1.0% | 8 |  | 0.0% | 0 |  | 90.1% | 748 |
| 2020 | Sockeye | CCP | SGN | 24106 | 28 | 782 | 192 | 8.9% | 70 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 91.1% | 712 |
| 2020 | Sockeye | CCP | SGN | 24106 | 29 | 961 | 153 | 2.0% | 19 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 98.0% | 942 |
| 2020 | Sockeye | CCP | SGN | 24106 | 30 | 330 | 79 | 5.1% | 17 |  | 1.3% | 4 |  | 0.0% | 0 |  | 0.0% | 0 |  | 93.7% | 309 |
| 2020 | Sockeye | CCP | SGN | 24106 | 31 | 345 | 77 | 1.3% | 4 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 98.7% | 341 |
| 2021 | Sockeye | CCP | SGN | 24106 | 23 | 218 | 96 | 55.2% | 120 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 44.8% | 98 |
| 2021 | Sockeye | CCP | SGN | 24106 | 24 | 575 | 261 | 40.6% | 233 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 59.4% | 342 |
| 2021 | Sockeye | CCP | SGN | 24106 | 25 | 435 | 265 | 13.2% | 57 |  | 1.1% | 5 |  | 0.0% | 0 |  | 0.0% | 0 |  | 85.7% | 373 |
| 2021 | Sockeye | CCP | SGN | 24106 | 26 | 671 | 378 | 9.8% | 66 |  | 3.4% | 23 |  | 0.3% | 2 |  | 0.0% | 0 |  | 86.5% | 580 |
| 2021 | Sockeye | CCP | SGN | 24106 | 27 | 1,145 | 266 | 13.9% | 159 |  | 1.5% | 17 |  | 0.4% | 5 |  | 0.0% | 0 |  | 84.2% | 964 |
| 2021 | Sockeye | CCP | SGN | 24106 | 28 | 587 | 267 | 17.2% | 101 |  | 1.5% | 9 |  | 0.4% | 2 |  | 0.0% | 0 |  | 80.9% | 475 |
| 2021 | Sockeye | CCP | SGN | 24106 | 29 | 269 | 231 | 8.7% | 23 |  | 3.9% | 10 |  | 0.9% | 2 |  | 0.0% | 0 |  | 86.6% | 233 |
| 2021 | Sockeye | CCP | SGN | 24106 | 30 | 300 | 191 | 4.2% | 13 |  | 1.0% | 3 |  | 0.0% | 0 |  | 0.0% | 0 |  | 94.8% | 284 |
| 2022 | Sockeye | CCP | SGN | 24106 | 23 | 284 | 95 | 28.4% | 81 |  | 1.1% | 3 |  | 0.0% | 0 |  | 0.0% | 0 |  | 70.5% | 200 |
| 2022 | Sockeye | CCP | SGN | 24106 | 24 | 614 | 192 | 18.8% | 115 |  | 1.0% | 6 |  | 0.0% | 0 |  | 0.0% | 0 |  | 80.2% | 492 |
| 2022 | Sockeye | CCP | SGN | 24106 | 25 | 871 | 190 | 5.8% | 51 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 94.2% | 820 |
| 2022 | Sockeye | CCP | SGN | 24106 | 26 | 1,184 | 190 | 11.1% | 131 |  | 4.2% | 50 |  | 0.0% | 0 |  | 0.0% | 0 |  | 84.7% | 1,003 |
| 2022 | Sockeye | CCP | SGN | 24106 | 27 | 1,812 | 191 | 18.3% | 332 |  | 3.1% | 56 |  | 0.0% | 0 |  | 0.0% | 0 |  | 78.5% | 1,422 |
| 2022 | Sockeye | CCP | SGN | 24106 | 28 | 1,238 | 190 | 15.3% | 189 |  | 4.2% | 52 |  | 0.5% | 6 |  | 0.0% | 0 |  | 80.0% | 990 |
| 2022 | Sockeye | CCP | SGN | 24106 | 29 | 741 | 95 | 24.2% | 179 |  | 0.0% | 0 |  | 5.3% | 39 |  | 0.0% | 0 |  | 70.5% | 522 |
| 2022 | Sockeye | CCP | SGN | 24106 | 30 | 2,170 | 192 | 4.2% | 91 |  | 1.0% | 22 |  | 2.1% | 46 |  | 0.0% | 0 |  | 92.7% | 2,012 |
| 2022 | Sockeye | CCP | SGN | 24106 | 31 | 1,164 | 189 | 3.2% | 37 |  | 0.5% | 6 |  | 1.6% | 19 |  | 1.1% | 13 |  | 93.7% | 1,091 |
| 2018 | Sockeye | CCP | SGN | 24115 | 25 | 62 | 47 | 48.9% | 30 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 51.1% | 32 |
| 2018 | Sockeye | CCP | SGN | 24115 | 26 | 166 | 48 | 45.8% | 76 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 54.2% | 90 |
| 2018 | Sockeye | CCP | SGN | 24115 | 27 | 220 | 17 | 100.0% | 220 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |
| 2018 | Sockeye | CCP | SGN | 24115 | 28 | 1,008 | 94 | 21.3% | 215 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 78.7% | 793 |
| 2018 | Sockeye | CCP | SGN | 24115 | 29 | 907 | 89 | 9.0% | 82 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 91.0% | 825 |
| 2018 | Sockeye | CCP | SGN | 24115 | 30 | 130 | 66 | 50.0% | 65 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 50.0% | 65 |
| 2018 | Sockeye | CCP | SGN | 24115 | 31 | 106 | 30 | 40.0% | 42 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 60.0% | 64 |
| 2019 | Sockeye | CCP | SGN | 24115 | 25 | 99 | 14 | 14.3% | 14 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 85.7% | 85 |
| 2019 | Sockeye | CCP | SGN | 24115 | 26 | 151 | 14 | 28.6% | 43 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 71.4% | 108 |
| 2019 | Sockeye | CCP | SGN | 24115 | 27 | 197 | 47 | 34.0% | 67 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 66.0% | 130 |
| 2019 | Sockeye | CCP | SGN | 24115 | 28 | 305 | 146 | 34.2% | 104 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 65.8% | 201 |
| 2019 | Sockeye | CCP | SGN | 24115 | 29 | 593 | 136 | 28.7% | 170 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 71.3% | 423 |
| 2019 | Sockeye | CCP | SGN | 24115 | 30 | 1,063 | 96 | 8.3% | 88 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 91.7% | 975 |
| 2019 | Sockeye | CCP | SGN | 24115 | 31 | 1,030 | 94 | 4.3% | 44 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 95.7% | 986 |
| 2019 | Sockeye | CCP | SGN | 24115 | 32 | 569 | 88 | 4.5% | 26 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 95.5% | 543 |
| 2020 | Sockeye | CCP | SGN | 24115 | 26 | 89 | 69 | 14.5% | 13 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 85.5% | 76 |
| 2020 | Sockeye | CCP | SGN | 24115 | 29 | 76 | 5 | 20.0% | 15 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 80.0% | 61 |
| 2020 | Sockeye | CCP | SGN | 24115 | 30 | 101 | 47 | 10.6% | 11 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 89.4% | 90 |
| 2020 | Sockeye | CCP | SGN | 24115 | 31 | 91 | 46 | 8.7% | 8 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 91.3% | 83 |
| 2021 | Sockeye | CCP | SGN | 24115 | 31 | 531 | 96 | 12.5% | 66 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 87.5% | 465 |
| 2022 | Sockeye | CCP | SGN | 24115 | 28 | 11 | 12 | 83.3% | 9 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 16.7% | 2 |
| 2022 | Sockeye | CCP | SGN | 24115 | 30 | 983 | 95 | 15.8% | 155 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 84.2% | 828 |
| 2022 | Sockeye | CCP | SGN | 24115 | 31 | 1,063 | 96 | 5.2% | 55 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 94.8% | 1,008 |
| 2018 | Sockeye | CCP | SGN | 24117 | 23 | 250 | 96 | 33.3% | 83 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 66.7% | 167 |
| 2018 | Sockeye | CCP | SGN | 24117 | 24 | 333 | 96 | 10.4% | 35 |  | 2.1% | 7 |  | 0.0% | 0 |  | 0.0% | 0 |  | 87.5% | 291 |
| 2018 | Sockeye | CCP | SGN | 24117 | 25 | 498 | 96 | 6.2% | 31 |  | 1.0% | 5 |  | 2.1% | 10 |  | 0.0% | 0 |  | 90.6% | 451 |
| 2018 | Sockeye | CCP | SGN | 24117 | 26 | 886 | 96 | 1.0% | 9 |  | 1.0% | 9 |  | 1.0% | 9 |  | 0.0% | 0 |  | 96.9% | 859 |
| 2018 | Sockeye | CCP | SGN | 24117 | 27 | 863 | 96 | 4.2% | 36 |  | 3.1% | 27 |  | 0.0% | 0 |  | 0.0% | 0 |  | 92.7% | 800 |
| 2018 | Sockeye | CCP | SGN | 24117 | 28 | 449 | 93 | 12.9% | 58 |  | 1.1% | 5 |  | 0.0% | 0 |  | 0.0% | 0 |  | 86.0% | 386 |
| 2018 | Sockeye | CCP | SGN | 24117 | 29 | 598 | 96 | 7.3% | 44 |  | 2.1% | 13 |  | 2.1% | 13 |  | 0.0% | 0 |  | 88.5% | 529 |
| 2019 | Sockeye | CCP | SGN | 24117 | 23 | 534 | 96 | 9.4% | 50 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 90.6% | 484 |
| 2019 | Sockeye | CCP | SGN | 24117 | 24 | 1,213 | 96 | 11.5% | 139 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 88.5% | 1,074 |
| 2019 | Sockeye | CCP | SGN | 24117 | 25 | 1,773 | 96 | 10.4% | 184 |  | 0.0% | 0 |  | 1.0% | 18 |  | 0.0% | 0 |  | 88.5% | 1,569 |
| 2019 | Sockeye | CCP | SGN | 24117 | 26 | 1,618 | 96 | 3.1% | 50 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 96.9% | 1,568 |
| 2019 | Sockeye | CCP | SGN | 24117 | 27 | 1,843 | 95 | 3.2% | 59 |  | 0.0% | 0 |  | 1.1% | 20 |  | 0.0% | 0 |  | 95.8% | 1,766 |
| 2019 | Sockeye | CCP | SGN | 24117 | 28 | 1,713 | 96 | 4.2% | 72 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 95.8% | 1,641 |
| 2019 | Sockeye | CCP | SGN | 24117 | 29 | 1,016 | 96 | 7.3% | 74 |  | 0.0% | 0 |  | 6.2% | 63 |  | 0.0% | 0 |  | 86.5% | 879 |
| 2019 | Sockeye | CCP | SGN | 24117 | 30 | 925 | 96 | 2.1% | 19 |  | 3.1% | 29 |  | 4.2% | 39 |  | 0.0% | 0 |  | 90.6% | 838 |
| 2019 | Sockeye | CCP | SGN | 24117 | 31 | 559 | 96 | 0.0% | 0 |  | 3.1% | 17 |  | 2.1% | 12 |  | 0.0% | 0 |  | 94.8% | 530 |
| 2020 | Sockeye | CCP | SGN | 24117 | 25 | 619 | 96 | 3.1% | 19 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 96.9% | 600 |
| 2020 | Sockeye | CCP | SGN | 24117 | 26 | 978 | 96 | 3.1% | 30 |  | 2.1% | 21 |  | 0.0% | 0 |  | 0.0% | 0 |  | 94.8% | 927 |
| 2020 | Sockeye | CCP | SGN | 24117 | 27 | 1,096 | 96 | 6.2% | 68 |  | 4.2% | 46 |  | 0.0% | 0 |  | 0.0% | 0 |  | 89.6% | 982 |
| 2020 | Sockeye | CCP | SGN | 24117 | 28 | 591 | 96 | 1.0% | 6 |  | 1.0% | 6 |  | 0.0% | 0 |  | 0.0% | 0 |  | 97.9% | 579 |
| 2020 | Sockeye | CCP | SGN | 24117 | 29 | 445 | 96 | 7.3% | 32 |  | 3.1% | 14 |  | 1.0% | 4 |  | 0.0% | 0 |  | 88.5% | 394 |
| 2020 | Sockeye | CCP | SGN | 24117 | 30 | 108 | 38 | 2.6% | 3 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 97.4% | 105 |
| 2020 | Sockeye | CCP | SGN | 24117 | 31 | 69 | 48 | 4.2% | 3 |  | 2.1% | 1 |  | 2.1% | 1 |  | 0.0% | 0 |  | 91.7% | 63 |
| 2021 | Sockeye | CCP | SGN | 24117 | 31 | 177 | 96 | 8.3% | 15 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 91.7% | 162 |
| 2019 | Sockeye | CCP | SGN | 24118 | 33 | 275 | 88 | 3.4% | 9 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 96.6% | 266 |
| 2021 | Sockeye | CCP | SGN | 24118 | 27 | 815 | 96 | 7.3% | 59 |  | 0.0% | 0 |  | 1.0% | 8 |  | 0.0% | 0 |  | 91.7% | 747 |
| 2022 | Sockeye | CCP | SGN | 24118 | 32 | 180 | 42 | 0.0% | 0 |  | 2.4% | 4 |  | 4.8% | 9 |  | 0.0% | 0 |  | 92.9% | 167 |
| 2018 | Sockeye | CCP | SGN | 24130 | 24 | 108 | 70 | 20.0% | 22 |  | 1.4% | 2 |  | 0.0% | 0 |  | 0.0% | 0 |  | 78.6% | 85 |
| 2018 | Sockeye | CCP | SGN | 24130 | 25 | 83 | 34 | 2.9% | 2 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 97.1% | 81 |
| 2018 | Sockeye | CCP | SGN | 24130 | 26 | 159 | 49 | 10.2% | 16 |  | 2.0% | 3 |  | 2.0% | 3 |  | 0.0% | 0 |  | 85.7% | 136 |

*a Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*b Gear type: SGN = Set gillnet, PS = Purse seine*

*c n: Number of sampled otoliths by strata*

*d Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark, Unmarked = wild fish*

Appendix E2.–Estimate of hatchery-region proportion and contribution for sockeye salmon harvested in the commercial purse seine (PS) fishery across statistical area and statistical week in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Species | Harvest typea | Gear typeb | Statistical area | Statistical week | Total  harvest | nc | Hatchery aread | | | | | | | | | | | | | |
| LCI | |  | PWS | |  | KOD | |  | Other | |  | Unmarked | |
| Est.  % | Est.  # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |
| 2018 | Sockeye | CCP | PS | 24106 | 28 | 4,841 | 53 | 77.4% | 3,747 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 22.6% | 1,094 |
| 2018 | Sockeye | CCP | PS | 24106 | 29 | 2,232 | 81 | 67.9% | 1,516 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 32.1% | 716 |
| 2019 | Sockeye | CCP | PS | 24106 | 29 | 561 | 23 | 60.9% | 342 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 39.1% | 219 |
| 2019 | Sockeye | CCP | PS | 24106 | 30 | 1,249 | 29 | 31.0% | 387 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 69.0% | 862 |
| 2019 | Sockeye | CCP | PS | 24106 | 31 | 65 | 65 | 7.7% | 5 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 92.3% | 60 |
| 2020 | Sockeye | CCP | PS | 24106 | 29 | 668 | 23 | 39.1% | 261 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 60.9% | 407 |
| 2021 | Sockeye | CCP | PS | 24106 | 27 | 1,380 | 96 | 88.5% | 1,221 |  | 0.0% | 0 |  | 1.0% | 14 |  | 0.0% | 0 |  | 10.4% | 144 |
| 2021 | Sockeye | CCP | PS | 24106 | 29 | 5,258 | 49 | 79.6% | 4,185 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 20.4% | 1,073 |
| 2021 | Sockeye | CCP | PS | 24106 | 30 | 4,052 | 140 | 28.6% | 1,159 |  | 0.7% | 28 |  | 2.1% | 85 |  | 0.0% | 0 |  | 68.6% | 2,780 |
| 2021 | Sockeye | CCP | PS | 24106 | 31 | 2,804 | 22 | 22.7% | 637 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 77.3% | 2,167 |
| 2022 | Sockeye | CCP | PS | 24106 | 30 | 94 | 94 | 7.4% | 7 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 92.6% | 87 |
| 2018 | Sockeye | CCP | PS | 24107 | 25 | 38 | 26 | 96.2% | 37 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 3.8% | 1 |
| 2018 | Sockeye | CCP | PS | 24115 | 25 | 1,157 | 45 | 44.4% | 514 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 55.6% | 643 |
| 2018 | Sockeye | CCP | PS | 24115 | 28 | 96 | 96 | 24.0% | 23 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 76.0% | 73 |
| 2019 | Sockeye | CCP | PS | 24115 | 27 | 203 | 8 | 50.0% | 102 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 50.0% | 102 |
| 2019 | Sockeye | CCP | PS | 24115 | 28 | 263 | 24 | 29.2% | 77 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 70.8% | 186 |
| 2019 | Sockeye | CCP | PS | 24115 | 30 | 1,712 | 89 | 14.6% | 250 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 85.4% | 1,462 |
| 2019 | Sockeye | CCP | PS | 24115 | 31 | 1,284 | 89 | 13.5% | 173 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 86.5% | 1,111 |
| 2019 | Sockeye | CCP | PS | 24115 | 32 | 1,398 | 107 | 4.7% | 66 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 95.3% | 1,332 |
| 2021 | Sockeye | CCP | PS | 24115 | 31 | 27 | 27 | 22.2% | 6 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 77.8% | 21 |
| 2021 | Sockeye | CCP | PS | 24115 | 32 | 40 | 57 | 15.8% | 6 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 84.2% | 34 |
| 2022 | Sockeye | CCP | PS | 24115 | 30 | 1,673 | 93 | 20.4% | 341 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 79.6% | 1,332 |
| 2018 | Sockeye | CCP | PS | 24190 | 25 | 928 | 46 | 47.8% | 444 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 52.2% | 484 |
| 2018 | Sockeye | CCP | PS | 24190 | 26 | 5,160 | 93 | 80.6% | 4,159 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 19.4% | 1,001 |
| 2018 | Sockeye | CCP | PS | 24190 | 27 | 2,666 | 146 | 80.8% | 2,154 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 19.2% | 512 |
| 2018 | Sockeye | CCP | PS | 24190 | 28 | 9,242 | 96 | 25.0% | 2,310 |  | 0.0% | 0 |  | 1.0% | 92 |  | 0.0% | 0 |  | 74.0% | 6,839 |
| 2018 | Sockeye | CCP | PS | 24190 | 29 | 3,903 | 72 | 65.3% | 2,549 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 34.7% | 1,354 |
| 2018 | Sockeye | CCP | PS | 24190 | 30 | 19 | 19 | 31.6% | 6 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 68.4% | 13 |
| 2019 | Sockeye | CCP | PS | 24190 | 25 | 192 | 18 | 16.7% | 32 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 83.3% | 160 |
| 2019 | Sockeye | CCP | PS | 24190 | 26 | 2,972 | 22 | 63.6% | 1,890 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 36.4% | 1,082 |
| 2019 | Sockeye | CCP | PS | 24190 | 27 | 2,906 | 44 | 75.0% | 2,180 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 25.0% | 726 |
| 2019 | Sockeye | CCP | PS | 24190 | 28 | 2,533 | 85 | 41.2% | 1,044 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 58.8% | 1,489 |
| 2019 | Sockeye | CCP | PS | 24190 | 29 | 3,887 | 151 | 64.2% | 2,495 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 35.8% | 1,392 |
| 2019 | Sockeye | CCP | PS | 24190 | 30 | 1,246 | 152 | 38.8% | 483 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 61.2% | 763 |
| 2019 | Sockeye | CCP | PS | 24190 | 31 | 1,286 | 112 | 25.0% | 322 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 75.0% | 964 |
| 2020 | Sockeye | CCP | PS | 24190 | 25 | 109 | 40 | 17.5% | 19 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 82.5% | 90 |
| 2020 | Sockeye | CCP | PS | 24190 | 26 | 353 | 60 | 58.3% | 206 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 41.7% | 147 |
| 2020 | Sockeye | CCP | PS | 24190 | 28 | 5,452 | 28 | 57.1% | 3,113 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 42.9% | 2,339 |
| 2021 | Sockeye | CCP | PS | 24190 | 26 | 884 | 99 | 61.6% | 545 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 38.4% | 339 |
| 2021 | Sockeye | CCP | PS | 24190 | 27 | 2,904 | 56 | 50.0% | 1,452 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 50.0% | 1,452 |
| 2022 | Sockeye | CCP | PS | 24190 | 26 | 47 | 47 | 89.4% | 42 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 10.6% | 5 |
| 2022 | Sockeye | CCP | PS | 24190 | 27 | 3,270 | 32 | 71.9% | 2,351 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 28.1% | 919 |
| 2018 | Sockeye | CCP | PS | 24191 | 26 | 1,004 | 60 | 83.3% | 836 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 16.7% | 168 |
| 2018 | Sockeye | CCP | PS | 24191 | 27 | 9,654 | 140 | 74.3% | 7,173 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 25.7% | 2,481 |
| 2018 | Sockeye | CCP | PS | 24191 | 28 | 2,416 | 50 | 82.0% | 1,981 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 18.0% | 435 |
| 2018 | Sockeye | CCP | PS | 24191 | 29 | 3,417 | 96 | 33.3% | 1,138 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 66.7% | 2,279 |
| 2019 | Sockeye | CCP | PS | 24191 | 25 | 67 | 12 | 50.0% | 34 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 50.0% | 34 |
| 2019 | Sockeye | CCP | PS | 24191 | 26 | 741 | 12 | 41.7% | 309 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 58.3% | 432 |
| 2019 | Sockeye | CCP | PS | 24191 | 27 | 981 | 51 | 68.6% | 673 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 31.4% | 308 |
| 2019 | Sockeye | CCP | PS | 24191 | 28 | 2,952 | 73 | 53.4% | 1,576 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 46.6% | 1,376 |
| 2020 | Sockeye | CCP | PS | 24191 | 27 | 1,148 | 243 | 44.4% | 510 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 55.6% | 638 |
| 2020 | Sockeye | CCP | PS | 24191 | 28 | 4,429 | 89 | 36.0% | 1,594 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 64.0% | 2,835 |
| 2020 | Sockeye | CCP | PS | 24191 | 29 | 3,693 | 80 | 26.2% | 968 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 73.8% | 2,725 |
| 2020 | Sockeye | CCP | PS | 24191 | 30 | 1,774 | 67 | 26.9% | 477 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 73.1% | 1,297 |
| 2021 | Sockeye | CCP | PS | 24191 | 29 | 2,317 | 91 | 78.0% | 1,807 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 22.0% | 510 |
| 2021 | Sockeye | CCP | PS | 24191 | 31 | 68 | 94 | 21.3% | 14 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 78.7% | 54 |
| 2021 | Sockeye | CCP | PS | 24191 | 32 | 179 | 62 | 11.3% | 20 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 88.7% | 159 |
| 2022 | Sockeye | CCP | PS | 24191 | 26 | 448 | 84 | 48.8% | 219 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 51.2% | 229 |
| 2022 | Sockeye | CCP | PS | 24191 | 27 | 1,760 | 62 | 77.4% | 1,362 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 22.6% | 398 |
| 2022 | Sockeye | CCP | PS | 24191 | 28 | 6,001 | 96 | 95.8% | 5,749 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 4.2% | 252 |
| 2022 | Sockeye | CCP | PS | 24191 | 29 | 835 | 168 | 88.1% | 736 |  | 0.0% | 0 |  | 0.6% | 5 |  | 0.0% | 0 |  | 11.3% | 94 |
| 2022 | Sockeye | CCP | PS | 24191 | 31 | 168 | 60 | 8.3% | 14 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 91.7% | 154 |
| 2019 | Sockeye | CCP | PS | 24193 | 26 | 673 | 46 | 39.1% | 263 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 60.9% | 410 |
| 2019 | Sockeye | CCP | PS | 24193 | 27 | 6,316 | 125 | 73.6% | 4,649 |  | 0.0% | 0 |  | 0.8% | 51 |  | 0.0% | 0 |  | 25.6% | 1,617 |
| 2019 | Sockeye | CCP | PS | 24193 | 28 | 5,211 | 104 | 67.3% | 3,507 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 32.7% | 1,704 |
| 2019 | Sockeye | CCP | PS | 24193 | 29 | 862 | 192 | 51.0% | 440 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 49.0% | 422 |
| 2019 | Sockeye | CCP | PS | 24193 | 30 | 1,607 | 169 | 37.9% | 609 |  | 0.0% | 0 |  | 0.6% | 10 |  | 0.0% | 0 |  | 61.5% | 988 |
| 2019 | Sockeye | CCP | PS | 24193 | 31 | 1,133 | 78 | 23.1% | 262 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 76.9% | 871 |
| 2020 | Sockeye | CCP | PS | 24193 | 26 | 52 | 52 | 42.3% | 22 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 57.7% | 30 |
| 2021 | Sockeye | CCP | PS | 24193 | 28 | 4,281 | 93 | 74.2% | 3,177 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 25.8% | 1,104 |
| 2021 | Sockeye | CCP | PS | 24193 | 29 | 3,655 | 60 | 76.7% | 2,803 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 23.3% | 852 |
| 2022 | Sockeye | CCP | PS | 24193 | 29 | 5,004 | 96 | 87.5% | 4,378 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 12.5% | 626 |
| 2019 | Sockeye | CCP | PS | 24192 | 25 | 574 | 96 | 85.4% | 490 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 14.6% | 84 |
| 2020 | Sockeye | CCP | PS | 24192 | 26 | 670 | 96 | 66.7% | 447 |  | 0.0% | 0 |  | 1.0% | 7 |  | 0.0% | 0 |  | 32.3% | 216 |
| 2020 | Sockeye | CCP | PS | 24192 | 27 | 8,999 | 96 | 74.0% | 6,659 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 26.0% | 2,340 |
| 2020 | Sockeye | CCP | PS | 24192 | 28 | 14,035 | 192 | 64.1% | 8,996 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 35.9% | 5,039 |
| 2020 | Sockeye | CCP | PS | 24192 | 29 | 12,341 | 152 | 62.5% | 7,713 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 37.5% | 4,628 |
| 2020 | Sockeye | CCP | PS | 24192 | 30 | 4,350 | 96 | 100.0% | 4,350 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |
| 2021 | Sockeye | CCP | PS | 24192 | 27 | 5,234 | 99 | 75.8% | 3,967 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 24.2% | 1,267 |
| 2021 | Sockeye | CCP | PS | 24192 | 28 | 10,640 | 203 | 83.7% | 8,906 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 16.3% | 1,734 |
| 2021 | Sockeye | CCP | PS | 24192 | 29 | 12,182 | 96 | 96.9% | 11,804 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 3.1% | 378 |
| 2021 | Sockeye | CCP | PS | 24192 | 30 | 3,117 | 96 | 93.8% | 2,924 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 6.2% | 193 |
| 2022 | Sockeye | CCP | PS | 24192 | 26 | 2,856 | 96 | 95.8% | 2,736 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 4.2% | 120 |
| 2022 | Sockeye | CCP | PS | 24192 | 27 | 18,959 | 176 | 96.6% | 18,314 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 3.4% | 645 |
| 2022 | Sockeye | CCP | PS | 24192 | 28 | 20,615 | 95 | 90.5% | 18,657 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 9.5% | 1,958 |
| 2022 | Sockeye | CCP | PS | 24192 | 29 | 8,231 | 95 | 96.8% | 7,968 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 3.2% | 263 |
| 2022 | Sockeye | CCP | PS | 24192 | 30 | 1,279 | 95 | 66.3% | 848 |  | 1.1% | 14 |  | 0.0% | 0 |  | 1.1% | 14 |  | 31.6% | 404 |

*a Gear type: SGN = Set gillnet, PS = Purse seine*

*b Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*c n: Number of sampled otoliths by strata*

*d Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark, Unmarked = wild fish*

Appendix E3.–Estimate of hatchery-region proportion and contribution for sockeye salmon harvested in the hatchery cost recovery (HCR) fishery across statistical area and statistical week in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Species | Harvest typea | Gear typeb | Statistical area | Statistical week | Total  harvest | nc | Hatchery aread | | | | | | | | | | | | | |
| LCI | |  | PWS | |  | KOD | |  | Other | |  | Unmarked | |
| Est.  % | Est.  # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |
| 2021 | Sockeye | HCR | PS | 24107 | 30 | 21,596 | 96 | 100.0% | 21,596 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |
| 2022 | Sockeye | HCR | PS | 24107 | 27 | 3,807 | 96 | 100.0% | 3,807 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |
| 2022 | Sockeye | HCR | PS | 24107 | 30 | 20,587 | 95 | 100.0% | 20,587 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |
| 2018 | Sockeye | HCR | PS | 24192 | 28 | 3,157 | 60 | 96.7% | 3,053 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 3.3% | 104 |
| 2019 | Sockeye | HCR | PS | 24192 | 28 | 1,220 | 96 | 99.0% | 1,208 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 1.0% | 12 |

*a Gear type: SGN = Set gillnet, PS = Purse seine*

*b Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*c n: Number of sampled otoliths by strata*

*d Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark, Unmarked = wild fish*

Appendix E4.–Estimate of hatchery-region proportion and contribution for pink salmon harvested in the commercial set gillnet (SGN) fishery across statistical area and statistical week in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Species | Harvest typea | Gear typeb | Statistical area | Statistical week | Total  harvest | nc | Hatchery aread | | | | | | | | | | | | | |
| LCI | |  | PWS | |  | KOD | |  | Other | |  | Unmarked | |
| Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |  | Est. % | Est. # |
| 2018 | Pink | CCP | SGN | 24106 | 29 | 6,132 | 96 | 56.2% | 3,446 |  | 1.0% | 61 |  | 0.0% | 0 |  | 0.0% | 0 |  | 42.7% | 2,618 |
| 2018 | Pink | CCP | SGN | 24106 | 30 | 7,729 | 95 | 80.0% | 6,183 |  | 0.0% | 0 |  | 0.0% | 0 |  | 0.0% | 0 |  | 20.0% | 1,546 |
| 2018 | Pink | CCP | SGN | 24106 | 31 | 5,158 | 94 | 47.9% | 2,471 |  | 8.5% | 438 |  | 0.0% | 0 |  | 0.0% | 0 |  | 43.6% | 2,249 |
| 2019 | Pink | CCP | SGN | 24106 | 31 | 461 | 96 | 41.7% | 192 |  | 7.3% | 34 |  | 0.0% | 0 |  | 0.0% | 0 |  | 51.0% | 235 |
| 2019 | Pink | CCP | SGN | 24106 | 32 | 506 | 94 | 28.7% | 145 |  | 10.6% | 54 |  | 0.0% | 0 |  | 0.0% | 0 |  | 60.6% | 307 |
| 2020 | Pink | CCP | SGN | 24106 | 28 | 891 | 143 | 25.9% | 231 |  | 25.2% | 225 |  | 0.0% | 0 |  | 0.0% | 0 |  | 49.0% | 437 |
| 2020 | Pink | CCP | SGN | 24106 | 29 | 5,497 | 166 | 73.5% | 4,040 |  | 3.6% | 198 |  | 0.0% | 0 |  | 0.0% | 0 |  | 22.9% | 1,259 |
| 2020 | Pink | CCP | SGN | 24106 | 30 | 4,112 | 270 | 33.0% | 1,357 |  | 11.1% | 456 |  | 0.0% | 0 |  | 0.0% | 0 |  | 55.9% | 2,299 |
| 2020 | Pink | CCP | SGN | 24106 | 31 | 4,950 | 187 | 65.2% | 3,227 |  | 2.1% | 104 |  | 0.5% | 25 |  | 0.0% | 0 |  | 32.1% | 1,589 |
| 2021 | Pink | CCP | SGN | 24106 | 27 | 131 | 95 | 2.1% | 3 |  | 24.2% | 32 |  | 0.0% | 0 |  | 0.0% | 0 |  | 73.7% | 97 |
| 2021 | Pink | CCP | SGN | 24106 | 28 | 112 | 96 | 7.3% | 8 |  | 29.2% | 33 |  | 0.0% | 0 |  | 0.0% | 0 |  | 63.5% | 71 |
| 2021 | Pink | CCP | SGN | 24106 | 29 | 438 | 208 | 2.4% | 11 |  | 60.6% | 265 |  | 0.0% | 0 |  | 0.0% | 0 |  | 37.0% | 162 |
| 2021 | Pink | CCP | SGN | 24106 | 30 | 297 | 191 | 7.3% | 22 |  | 27.7% | 82 |  | 0.0% | 0 |  | 0.0% | 0 |  | 64.9% | 193 |
| 2022 | Pink | CCP | SGN | 24106 | 29 | 131 | 95 | 14.7% | 19 |  | 7.4% | 10 |  | 0.0% | 0 |  | 0.0% | 0 |  | 77.9% | 102 |
| 2022 | Pink | CCP | SGN | 24106 | 30 | 1,054 | 144 | 21.5% | 227 |  | 22.2% | 234 |  | 0.0% | 0 |  | 0.0% | 0 |  | 56.2% | 592 |
| 2022 | Pink | CCP | SGN | 24106 | 31 | 1,586 | 169 | 43.2% | 685 |  | 7.1% | 113 |  | 0.0% | 0 |  | 0.0% | 0 |  | 49.7% | 788 |
| 2018 | Pink | CCP | SGN | 24117 | 29 | 4,343 | 96 | 20.8% | 903 |  | 1.0% | 43 |  | 0.0% | 0 |  | 0.0% | 0 |  | 78.1% | 3,392 |
| 2018 | Pink | CCP | SGN | 24117 | 30 | 6,647 | 94 | 41.5% | 2,759 |  | 4.3% | 286 |  | 0.0% | 0 |  | 0.0% | 0 |  | 54.3% | 3,609 |
| 2018 | Pink | CCP | SGN | 24117 | 31 | 9,436 | 96 | 37.5% | 3,538 |  | 3.1% | 293 |  | 0.0% | 0 |  | 0.0% | 0 |  | 59.4% | 5,605 |
| 2021 | Pink | CCP | SGN | 24117 | 28 | 172 | 96 | 7.3% | 13 |  | 13.5% | 23 |  | 0.0% | 0 |  | 0.0% | 0 |  | 79.2% | 136 |
| 2021 | Pink | CCP | SGN | 24117 | 31 | 76 | 63 | 6.3% | 5 |  | 27.0% | 21 |  | 0.0% | 0 |  | 0.0% | 0 |  | 66.7% | 51 |
| 2019 | Pink | CCP | SGN | 24118 | 33 | 688 | 95 | 15.8% | 109 |  | 10.5% | 72 |  | 0.0% | 0 |  | 0.0% | 0 |  | 73.7% | 507 |
| 2021 | Pink | CCP | SGN | 24118 | 28 | 75 | 13 | 0.0% | 0 |  | 7.7% | 6 |  | 0.0% | 0 |  | 0.0% | 0 |  | 92.3% | 69 |
| 2022 | Pink | CCP | SGN | 24118 | 32 | 467 | 40 | 12.5% | 58 |  | 12.5% | 58 |  | 0.0% | 0 |  | 0.0% | 0 |  | 75.0% | 350 |

*a Gear type: SGN = Set gillnet, PS = Purse seine*

*b Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*c n: Number of sampled otoliths by strata*

*d Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark, Unmarked = wild fish*

Appendix E5.–Estimate of hatchery-region proportion and contribution for pink salmon harvested in the commercial purse seine (PS) fishery across statistical area and statistical week in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Species | Harvest typea | Gear typeb | Statistical area | Statistical week | Total  harvest | nc | Hatchery aread | | | | | | | | | | | | | | | | | | | | | |
| LCI | |  | | PWS | | |  | | KOD | | |  | | Other | | |  | | Unmarked | | |
| Est. % | Est. # | |  | | Est. % | Est. # | |  | | Est. % | Est. # | |  | | Est. % | Est. # | |  | | Est. % | Est. # | |
| 2018 | Pink | CCP | PS | 24106 | 28 | 20,135 | 32 | 81.2% | 16,350 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 18.8% | 3,785 | |
| 2018 | Pink | CCP | PS | 24106 | 29 | 13,863 | 261 | 86.6% | 12,005 | |  | | 0.4% | 55 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 13.0% | 1,802 | |
| 2018 | Pink | CCP | PS | 24106 | 30 | 28,074 | 279 | 89.6% | 25,154 | |  | | 0.4% | 112 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 10.0% | 2,807 | |
| 2018 | Pink | CCP | PS | 24106 | 31 | 45,858 | 360 | 86.4% | 39,621 | |  | | 0.6% | 275 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 13.1% | 6,007 | |
| 2018 | Pink | CCP | PS | 24106 | 32 | 15,210 | 173 | 80.3% | 12,214 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 19.7% | 2,996 | |
| 2019 | Pink | CCP | PS | 24106 | 29 | 1,651 | 104 | 62.5% | 1,032 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 37.5% | 619 | |
| 2019 | Pink | CCP | PS | 24106 | 30 | 1,561 | 76 | 52.6% | 821 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 47.4% | 740 | |
| 2019 | Pink | CCP | PS | 24106 | 31 | 88 | 88 | 53.4% | 47 | |  | | 4.5% | 4 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 42.0% | 37 | |
| 2020 | Pink | CCP | PS | 24106 | 29 | 940 | 45 | 93.3% | 877 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 6.7% | 63 | |
| 2020 | Pink | CCP | PS | 24106 | 30 | 25,859 | 108 | 97.2% | 25,135 | |  | | 2.8% | 724 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |
| 2020 | Pink | CCP | PS | 24106 | 32 | 3,231 | 177 | 93.2% | 3,011 | |  | | 0.6% | 19 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 6.2% | 200 | |
| 2021 | Pink | CCP | PS | 24106 | 29 | 3,633 | 94 | 80.9% | 2,939 | |  | | 1.1% | 40 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 18.1% | 658 | |
| 2021 | Pink | CCP | PS | 24106 | 30 | 13,386 | 207 | 76.8% | 10,280 | |  | | 1.9% | 254 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 21.3% | 2,851 | |
| 2021 | Pink | CCP | PS | 24106 | 31 | 16,066 | 182 | 73.6% | 11,825 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 26.4% | 4,241 | |
| 2021 | Pink | CCP | PS | 24106 | 32 | 559 | 37 | 73.0% | 408 | |  | | 0.0% | 0 | |  | | 2.7% | 15 | |  | | 0.0% | 0 | |  | | 24.3% | 136 | |
| 2022 | Pink | CCP | PS | 24106 | 30 | 95 | 95 | 60.0% | 57 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 40.0% | 38 | |
| 2022 | Pink | CCP | PS | 24106 | 31 | 3,078 | 47 | 63.8% | 1,964 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 36.2% | 1,114 | |
| 2018 | Pink | CCP | PS | 24107 | 33 | 20,502 | 269 | 85.9% | 17,611 | |  | | 0.7% | 144 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 13.4% | 2,747 | |
| 2018 | Pink | CCP | PS | 24107 | 36 | 6,440 | 93 | 94.6% | 6,092 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 5.4% | 348 | |
| 2020 | Pink | CCP | PS | 24107 | 31 | 22,441 | 207 | 91.3% | 20,489 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 8.7% | 1,952 | |
| 2020 | Pink | CCP | PS | 24107 | 32 | 13,623 | 95 | 91.6% | 12,479 | |  | | 1.1% | 150 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 7.4% | 1,008 | |
| 2020 | Pink | CCP | PS | 24107 | 33 | 7,852 | 189 | 79.9% | 6,274 | |  | | 1.1% | 86 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 19.0% | 1,492 | |
| 2018 | Pink | CCP | PS | 24114 | 32 | 49 | 49 | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 100.0% | 49 | |
| 2019 | Pink | CCP | PS | 24115 | 28 | 215 | 19 | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 100.0% | 215 | |
| 2019 | Pink | CCP | PS | 24115 | 32 | 318 | 29 | 0.0% | 0 | |  | | 3.4% | 11 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 96.6% | 307 | |
| 2021 | Pink | CCP | PS | 24115 | 31 | 20 | 20 | 20.0% | 4 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 80.0% | 16 | |
| 2021 | Pink | CCP | PS | 24115 | 32 | 22 | 6 | 33.3% | 7 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 66.7% | 15 | |
| 2018 | Pink | CCP | PS | 24120 | 32 | 121,118 | 173 | 33.5% | 40,575 | |  | | 1.2% | 1,453 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 65.3% | 79,090 | |
| 2020 | Pink | CCP | PS | 24120 | 34 | 853 | 150 | 70.7% | 603 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 29.3% | 250 | |
| 2018 | Pink | CCP | PS | 24190 | 30 | 11 | 11 | 27.3% | 3 | |  | | 9.1% | 1 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 63.6% | 7 | |
| 2018 | Pink | CCP | PS | 24190 | 33 | 9 | 9 | 22.2% | 2 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 77.8% | 7 | |
| 2019 | Pink | CCP | PS | 24190 | 28 | 1,494 | 65 | 6.2% | 93 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 93.8% | 1,401 | |
| 2019 | Pink | CCP | PS | 24190 | 29 | 1,500 | 39 | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 100.0% | 1,500 | |
| 2019 | Pink | CCP | PS | 24190 | 30 | 559 | 9 | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 100.0% | 559 | |
| 2019 | Pink | CCP | PS | 24191 | 27 | 663 | 7 | 42.9% | 284 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 57.1% | 379 | |
| 2019 | Pink | CCP | PS | 24191 | 28 | 3,200 | 41 | 12.2% | 390 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 87.8% | 2,810 | |
| 2020 | Pink | CCP | PS | 24191 | 29 | 1,398 | 6 | 83.3% | 1,165 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 16.7% | 233 | |
| 2020 | Pink | CCP | PS | 24191 | 30 | 2,342 | 51 | 80.4% | 1,883 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 19.6% | 459 | |
| 2021 | Pink | CCP | PS | 24191 | 31 | 131 | 128 | 54.7% | 72 | |  | | 2.3% | 3 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 43.0% | 56 | |
| 2021 | Pink | CCP | PS | 24191 | 32 | 344 | 142 | 47.9% | 165 | |  | | 0.7% | 2 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 51.4% | 177 | |
| 2022 | Pink | CCP | PS | 24191 | 31 | 392 | 64 | 68.8% | 270 | |  | | 1.6% | 6 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 29.7% | 116 | |
| 2019 | Pink | CCP | PS | 24193 | 28 | 1,494 | 25 | 8.0% | 120 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 92.0% | 1,374 | |
| 2019 | Pink | CCP | PS | 24193 | 29 | 375 | 53 | 15.1% | 57 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 84.9% | 318 | |
| 2019 | Pink | CCP | PS | 24193 | 30 | 1,326 | 60 | 13.3% | 176 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 0.0% | 0 | |  | | 86.7% | 1,150 | |

*a Gear type: SGN = Set gillnet, PS = Purse seine*

*b Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*c n: Number of sampled otoliths by strata*

*d Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark, Unmarked = wild fish*

Appendix E6.–Estimate of hatchery-region proportion and contribution for pink salmon harvested in the hatchery cost recovery (HCR) fishery across statistical area and statistical week in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Species | Harvest typea | Gear typeb | Statistical area | Statistical week | Total  harvest | nc | Hatchery aread | | | | | | | | | | | | | | | | | | | | |
| LCI | |  | PWS | |  | | | KOD | |  | | | Other | |  | | | Unmarked | |
| Est.  % | Est.  # |  | Est. % | Est. # | |  | Est. % | | Est. # | |  | Est. % | | Est. # | |  | Est. % | | Est. # | |
| 2018 | Pink | HCR | PS | 24107 | 30 | 117,377 | 89 | 92.1% | 108,104 |  | 0.0% | 0 | |  | 0.0% | | 0 | |  | 0.0% | | 0 | |  | 7.9% | | 9,273 | |
| 2021 | Pink | HCR | PS | 24107 | 30 | 77,149 | 95 | 93.7% | 72,289 |  | 0.0% | 0 | |  | 0.0% | | 0 | |  | 0.0% | | 0 | |  | 6.3% | | 4,860 | |
| 2021 | Pink | HCR | PS | 24107 | 33 | 83,506 | 95 | 74.7% | 62,379 |  | 1.1% | 919 | |  | 0.0% | | 0 | |  | 0.0% | | 0 | |  | 24.2% | | 20,208 | |
| 2022 | Pink | HCR | PS | 24107 | 30 | 13,341 | 96 | 92.7% | 12,367 |  | 0.0% | 0 | |  | 0.0% | | 0 | |  | 0.0% | | 0 | |  | 7.3% | | 974 | |

*a Gear type: SGN = Set gillnet, PS = Purse seine*

*b Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*c n: Number of sampled otoliths by strata*

*d Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark, Unmarked = wild fish*

Appendix F.–Estimated contribution by strata and hatchery area to sampled pink and sockeye salmon commercial harvest in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Year | Harvest typea | Gear typeb |  | Est. contribution to sampled harvest (CSh) | | | | | | | | | | |
|  | LCIc | |  | PWSc | |  | KODc | |  | Otherc | |
|  | Est. # | Est. se |  | Est. # | Est. se |  | Est. # | Est. se |  | Est. # | Est. se |
| Pink | 2018 | CCP | SGN |  | 26,935 | 1,110 |  | 1,630 | 396 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2018 | CCP | PS |  | 238,343 | 11,110 |  | 4,352 | 2,515 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2018 | HCR | PS |  | 866,037 | 26,973 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2019 | CCP | SGN |  | 1,380 | 126 |  | 438 | 81 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2019 | CCP | PS |  | 4,976 | 397 |  | 113 | 51 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2020 | CCP | SGN |  | 9,126 | 341 |  | 1,875 | 204 |  | 25 | 25 |  | 0 | 0 |
| Pink | 2020 | CCP | PS |  | 109,677 | 1,138 |  | 1,136 | 459 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2021 | CCP | SGN |  | 167 | 36 |  | 772 | 83 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2021 | CCP | PS |  | 28,897 | 660 |  | 416 | 152 |  | 65 | 65 |  | 0 | 0 |
| Pink | 2021 | HCR | PS |  | 255,300 | 8,041 |  | 1,596 | 1,596 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2022 | CCP | SGN |  | 1,313 | 138 |  | 717 | 127 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2022 | CCP | PS |  | 2,243 | 133 |  | 7 | 7 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2022 | HCR | PS |  | 46,258 | 1,331 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |
| Sockeye | 2018 | CCP | SGN |  | 2,192 | 109 |  | 154 | 32 |  | 103 | 27 |  | 0 | 0 |
| Sockeye | 2018 | CCP | PS |  | 39,351 | 817 |  | 0 | 0 |  | 46 | 46 |  | 0 | 0 |
| Sockeye | 2018 | HCR | PS |  | 6,370 | 154 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |
| Sockeye | 2019 | CCP | SGN |  | 2,468 | 160 |  | 112 | 37 |  | 227 | 53 |  | 0 | 0 |
| Sockeye | 2019 | CCP | PS |  | 23,916 | 580 |  | 0 | 0 |  | 44 | 31 |  | 0 | 0 |
| Sockeye | 2019 | HCR | PS |  | 1,969 | 21 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |
| Sockeye | 2020 | CCP | SGN |  | 621 | 56 |  | 106 | 29 |  | 43 | 16 |  | 0 | 0 |
| Sockeye | 2020 | CCP | PS |  | 40,127 | 1,020 |  | 0 | 0 |  | 64 | 64 |  | 0 | 0 |
| Sockeye | 2021 | CCP | SGN |  | 1,501 | 167 |  | 78 | 13 |  | 41 | 30 |  | 0 | 0 |
| Sockeye | 2021 | CCP | PS |  | 51,818 | 871 |  | 51 | 51 |  | 203 | 101 |  | 0 | 0 |
| Sockeye | 2021 | HCR | PS |  | 35,069 | 0 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |
| Sockeye | 2022 | CCP | SGN |  | 1,731 | 111 |  | 306 | 121 |  | 319 | 163 |  | 14 | 10 |
| Sockeye | 2022 | CCP | PS |  | 69,589 | 842 |  | 93 | 93 |  | 20 | 20 |  | 93 | 93 |
| Sockeye | 2022 | HCR | PS |  | 26,121 | 0 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |

*a Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*b Gear type: SGN = Set gillnet, PS = Purse seine*

*c Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark*

Appendix G.–Estimated contribution by strata and hatchery area to unsampled pink and sockeye salmon commercial harvest in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Year | Harvest typea | Gear typeb |  | Est. contribution to unsampled harvest (CUh) | | | | | | | | | | |
|  | LCIc | |  | PWSc | |  | KODc | |  | Otherc | |
|  | Est. # | Est. se |  | Est. # | Est. se |  | Est. # | Est. se |  | Est. # | Est. se |
| Pink | 2018 | CCP | SGN |  | 1,261 | 3 |  | 76 | 1 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2018 | CCP | PS |  | 4,996 | 5 |  | 91 | 0 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2018 | HCR | PS |  | 53,025 | 11 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2019 | CCP | SGN |  | 524 | 8 |  | 166 | 5 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2019 | CCP | PS |  | 31 | 0 |  | 1 | 0 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2020 | CCP | SGN |  | 7,857 | 24 |  | 1,614 | 14 |  | 21 | 2 |  | 0 | 0 |
| Pink | 2020 | CCP | PS |  | 1,286 | 0 |  | 13 | 0 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2021 | CCP | SGN |  | 0 | 0 |  | 1 | 0 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2021 | CCP | PS |  | 1,398 | 1 |  | 20 | 0 |  | 3 | 0 |  | 0 | 0 |
| Pink | 2022 | CCP | SGN |  | 695 | 12 |  | 380 | 9 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2022 | CCP | PS |  | 1,341 | 9 |  | 4 | 0 |  | 0 | 0 |  | 0 | 0 |
| Sockeye | 2018 | CCP | SGN |  | 205 | 4 |  | 14 | 1 |  | 10 | 0 |  | 0 | 0 |
| Sockeye | 2018 | CCP | PS |  | 708 | 0 |  | 0 | 0 |  | 1 | 0 |  | 0 | 0 |
| Sockeye | 2018 | HCR | PS |  | 60,309 | 138 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |
| Sockeye | 2019 | HCR | PS |  | 10,486 | 24 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |
| Sockeye | 2020 | CCP | SGN |  | 128 | 5 |  | 22 | 2 |  | 9 | 1 |  | 0 | 0 |
| Sockeye | 2020 | CCP | PS |  | 529 | 0 |  | 0 | 0 |  | 1 | 0 |  | 0 | 0 |
| Sockeye | 2022 | CCP | SGN |  | 866 | 20 |  | 153 | 9 |  | 160 | 9 |  | 7 | 2 |

*a Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*b Gear type: SGN = Set gillnet, PS = Purse seine*

*c Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark*

Appendix H.–Estimated contribution by strata and hatchery area to all sampled and unsampled pink and sockeye salmon commercial harvest in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Year | Harvest typea | Gear typeb |  | Est. contribution to all harvest (Ch) | | | | | | | | | | |
|  | LCIc | |  | PWSc | |  | KODc | |  | Otherc | |
|  | Est. # | Est. se |  | Est. # | Est. se |  | Est. # | Est. se |  | Est. # | Est. se |
| Pink | 2018 | CCP | SGN |  | 28,197 | 1,109 |  | 1,706 | 395 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2018 | CCP | PS |  | 243,339 | 11,110 |  | 4,443 | 2,514 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2018 | HCR | PS |  | 919,062 | 26,973 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2019 | CCP | SGN |  | 1,904 | 125 |  | 604 | 80 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2019 | CCP | PS |  | 5,008 | 397 |  | 113 | 50 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2020 | CCP | SGN |  | 16,983 | 342 |  | 3,488 | 204 |  | 46 | 24 |  | 0 | 0 |
| Pink | 2020 | CCP | PS |  | 110,963 | 1,137 |  | 1,149 | 458 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2021 | CCP | SGN |  | 167 | 36 |  | 773 | 82 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2021 | CCP | PS |  | 30,295 | 659 |  | 436 | 151 |  | 68 | 65 |  | 0 | 0 |
| Pink | 2021 | HCR | PS |  | 255,300 | 8,041 |  | 1,596 | 1,595 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2022 | CCP | SGN |  | 2,007 | 138 |  | 1,097 | 126 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2022 | CCP | PS |  | 3,584 | 133 |  | 11 | 6 |  | 0 | 0 |  | 0 | 0 |
| Pink | 2022 | HCR | PS |  | 46,258 | 1,330 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |
| Sockeye | 2018 | CCP | SGN |  | 2,397 | 108 |  | 169 | 32 |  | 113 | 26 |  | 0 | 0 |
| Sockeye | 2018 | CCP | PS |  | 40,059 | 817 |  | 0 | 0 |  | 47 | 46 |  | 0 | 0 |
| Sockeye | 2018 | HCR | PS |  | 66,680 | 206 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |
| Sockeye | 2019 | CCP | SGN |  | 2,468 | 159 |  | 112 | 37 |  | 227 | 53 |  | 0 | 0 |
| Sockeye | 2019 | CCP | PS |  | 23,916 | 580 |  | 0 | 0 |  | 44 | 31 |  | 0 | 0 |
| Sockeye | 2019 | HCR | PS |  | 12,455 | 31 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |
| Sockeye | 2020 | CCP | SGN |  | 749 | 56 |  | 128 | 28 |  | 51 | 15 |  | 0 | 0 |
| Sockeye | 2020 | CCP | PS |  | 40,656 | 1,019 |  | 0 | 0 |  | 65 | 63 |  | 0 | 0 |
| Sockeye | 2021 | CCP | SGN |  | 1,501 | 167 |  | 78 | 13 |  | 41 | 30 |  | 0 | 0 |
| Sockeye | 2021 | CCP | PS |  | 51,818 | 870 |  | 51 | 50 |  | 203 | 100 |  | 0 | 0 |
| Sockeye | 2021 | HCR | PS |  | 35,069 | 0 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |
| Sockeye | 2022 | CCP | SGN |  | 2,596 | 112 |  | 460 | 121 |  | 479 | 163 |  | 20 | 9 |
| Sockeye | 2022 | CCP | PS |  | 69,589 | 841 |  | 93 | 93 |  | 20 | 19 |  | 93 | 93 |
| Sockeye | 2022 | HCR | PS |  | 26,121 | 0 |  | 0 | 0 |  | 0 | 0 |  | 0 | 0 |

*a Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*b Gear type: SGN = Set gillnet, PS = Purse seine*

*c Hatchery area: LCI = Lower Cook Inlet hatchery mark, PWS = Prince William Sound hatchery mark, KOD = Kodiak hatchery mark, Other = Upper Cook Inlet hatchery mark*

Appendix I.–Estimated contribution by strata to all sampled and unsampled pink and sockeye salmon commercial harvest in the Southern District of Lower Cook Inlet, 2018–2022.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Year | Harvest typea | Gear typeb |  | Est. contribution to all harvest (CH) | | | |
|  | Est. # | Est. se | Est. lower  95% CI | Est. upper 95% CI |
| Pink | 2018 | CCP | SGN |  | 29,903 | 1,178 | 27,594 | 32,212 |
| Pink | 2018 | CCP | PS |  | 247,783 | 11,391 | 225,456 | 270,109 |
| Pink | 2018 | HCR | PS |  | 919,062 | 26,973 | 866,194 | 971,929 |
| Pink | 2019 | CCP | SGN |  | 2,507 | 149 | 2,215 | 2,799 |
| Pink | 2019 | CCP | PS |  | 5,121 | 400 | 4,337 | 5,905 |
| Pink | 2020 | CCP | SGN |  | 20,518 | 399 | 19,736 | 21,300 |
| Pink | 2020 | CCP | PS |  | 112,112 | 1,226 | 109,709 | 114,515 |
| Pink | 2021 | CCP | SGN |  | 940 | 90 | 764 | 1,117 |
| Pink | 2021 | CCP | PS |  | 30,799 | 680 | 29,466 | 32,131 |
| Pink | 2021 | HCR | PS |  | 256,896 | 8,197 | 240,830 | 272,962 |
| Pink | 2022 | CCP | SGN |  | 3,104 | 188 | 2,736 | 3,473 |
| Pink | 2022 | CCP | PS |  | 3,595 | 133 | 3,334 | 3,856 |
| Pink | 2022 | HCR | PS |  | 46,258 | 1,330 | 43,651 | 48,865 |
| Sockeye | 2018 | CCP | SGN |  | 2,678 | 116 | 2,451 | 2,906 |
| Sockeye | 2018 | CCP | PS |  | 40,107 | 818 | 38,503 | 41,710 |
| Sockeye | 2018 | HCR | PS |  | 66,680 | 206 | 66,276 | 67,083 |
| Sockeye | 2019 | CCP | SGN |  | 2,807 | 172 | 2,470 | 3,144 |
| Sockeye | 2019 | CCP | PS |  | 23,960 | 581 | 22,821 | 25,099 |
| Sockeye | 2019 | HCR | PS |  | 12,455 | 31 | 12,394 | 12,516 |
| Sockeye | 2020 | CCP | SGN |  | 928 | 65 | 800 | 1,055 |
| Sockeye | 2020 | CCP | PS |  | 40,721 | 1,022 | 38,718 | 42,724 |
| Sockeye | 2021 | CCP | SGN |  | 1,620 | 170 | 1,287 | 1,953 |
| Sockeye | 2021 | CCP | PS |  | 52,071 | 878 | 50,350 | 53,792 |
| Sockeye | 2021 | HCR | PS |  | 35,069 | 0 | 35,069 | 35,069 |
| Sockeye | 2022 | CCP | SGN |  | 3,555 | 232 | 3,101 | 4,010 |
| Sockeye | 2022 | CCP | PS |  | 69,795 | 852 | 68,126 | 71,465 |
| Sockeye | 2022 | HCR | PS |  | 26,121 | 0 | 26,121 | 26,121 |

*a Harvest type: CCP = Commercial common property, HCR = Hatchery cost recovery*

*b Gear type: SGN = Set gillnet, PS = Purse seine*