All WR SIT DSM Summary Tables - EIS

2024-09-26

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## EIS

### Population Abundance, Growth

**Table** **:** Table EIS.1. Predicted annual total winter-run spawner abundance in the Upper Sacramento River, including both natural- and hatchery-origin fish.

| Year | NAA | Alt1 | Alt2wTUCPwoVA | Alt2woTUCPwoVA | Alt2woTUCPDeltaVA | Alt2woTUCPAllVA | Alt3 | Alt4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1980 | 8762 | 8762 (0) | 8762 (0) | 8762 (0) | 8762 (0) | 8762 (0) | 8762 (0) | 8762 (0) |
| 1981 | 9376 | 9376 (0) | 9376 (0) | 9376 (0) | 9376 (0) | 9376 (0) | 9376 (0) | 9376 (0) |
| 1982 | 8156 | 8035 (-1.5) | 8147 (-0.1) | 8144 (-0.1) | 8177 (0.3) | 8214 (0.7) | 8151 (-0.1) | 8098 (-0.7) |
| 1983 | 8371 | 8143 (-2.7) | 8374 (0) | 8367 (0) | 8368 (0) | 8518 (1.8) | 8345 (-0.3) | 8306 (-0.8) |
| 1984 | 11391 | 11246 (-1.3) | 11423 (0.3) | 11416 (0.2) | 11325 (-0.6) | 11532 (1.2) | 11338 (-0.5) | 11407 (0.1) |
| 1985 | 14384 | 14178 (-1.4) | 14410 (0.2) | 14402 (0.1) | 14340 (-0.3) | 14519 (0.9) | 14331 (-0.4) | 14348 (-0.3) |
| 1986 | 14884 | 14491 (-2.6) | 14940 (0.4) | 14930 (0.3) | 14906 (0.1) | 15117 (1.6) | 14790 (-0.6) | 14644 (-1.6) |
| 1987 | 13350 | 12817 (-4) | 13537 (1.4) | 13527 (1.3) | 13436 (0.6) | 13707 (2.7) | 13128 (-1.7) | 13032 (-2.4) |
| 1988 | 13113 | 12260 (-6.5) | 13393 (2.1) | 13382 (2.1) | 13241 (1) | 13566 (3.5) | 12744 (-2.8) | 12780 (-2.5) |
| 1989 | 12314 | 11354 (-7.8) | 12434 (1) | 12424 (0.9) | 12340 (0.2) | 12633 (2.6) | 11928 (-3.1) | 11896 (-3.4) |
| 1990 | 8234 | 7513 (-8.8) | 8166 (-0.8) | 8158 (-0.9) | 8153 (-1) | 8285 (0.6) | 7982 (-3.1) | 7924 (-3.8) |
| 1991 | 6230 | 5382 (-13.6) | 6257 (0.4) | 6245 (0.2) | 6270 (0.6) | 6397 (2.7) | 5971 (-4.2) | 5942 (-4.6) |
| 1992 | 6089 | 5170 (-15.1) | 6237 (2.4) | 6251 (2.7) | 6224 (2.2) | 6444 (5.8) | 5812 (-4.5) | 5778 (-5.1) |
| 1993 | 4015 | 3564 (-11.2) | 4183 (4.2) | 4257 (6) | 4154 (3.5) | 4144 (3.2) | 3971 (-1.1) | 3988 (-0.7) |
| 1994 | 2777 | 2431 (-12.5) | 2524 (-9.1) | 2823 (1.7) | 2514 (-9.5) | 1878 (-32.4) | 2673 (-3.7) | 2861 (3) |
| 1995 | 3657 | 3110 (-15) | 2915 (-20.3) | 3387 (-7.4) | 2885 (-21.1) | 2001 (-45.3) | 3252 (-11.1) | 3649 (-0.2) |
| 1996 | 4052 | 3704 (-8.6) | 3621 (-10.6) | 3899 (-3.8) | 3593 (-11.3) | 3110 (-23.2) | 3782 (-6.7) | 4128 (1.9) |
| 1997 | 3735 | 3663 (-1.9) | 3635 (-2.7) | 3747 (0.3) | 3619 (-3.1) | 3311 (-11.4) | 3775 (1.1) | 3845 (2.9) |
| 1998 | 4698 | 4752 (1.1) | 4628 (-1.5) | 4693 (-0.1) | 4584 (-2.4) | 4319 (-8.1) | 4831 (2.8) | 4724 (0.6) |
| 1999 | 5946 | 5870 (-1.3) | 5941 (-0.1) | 5950 (0.1) | 5902 (-0.7) | 5829 (-2) | 5994 (0.8) | 5920 (-0.4) |

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**Table** **:** Table EIS.2. Predicted annual natural-origin winter-run spawner abundance in the Upper Sacramento River.

| Year | NAA | Alt1 | Alt2wTUCPwoVA | Alt2woTUCPwoVA | Alt2woTUCPDeltaVA | Alt2woTUCPAllVA | Alt3 | Alt4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1980 | 8374 | 8374 (0) | 8374 (0) | 8374 (0) | 8374 (0) | 8374 (0) | 8374 (0) | 8374 (0) |
| 1981 | 8989 | 8989 (0) | 8989 (0) | 8989 (0) | 8989 (0) | 8989 (0) | 8989 (0) | 8989 (0) |
| 1982 | 7769 | 7648 (-1.6) | 7760 (-0.1) | 7757 (-0.2) | 7790 (0.3) | 7826 (0.7) | 7764 (-0.1) | 7711 (-0.7) |
| 1983 | 7984 | 7756 (-2.9) | 7987 (0) | 7979 (-0.1) | 7981 (0) | 8131 (1.8) | 7958 (-0.3) | 7919 (-0.8) |
| 1984 | 11004 | 10859 (-1.3) | 11036 (0.3) | 11029 (0.2) | 10937 (-0.6) | 11145 (1.3) | 10951 (-0.5) | 11020 (0.1) |
| 1985 | 13997 | 13790 (-1.5) | 14023 (0.2) | 14015 (0.1) | 13952 (-0.3) | 14131 (1) | 13943 (-0.4) | 13961 (-0.3) |
| 1986 | 14497 | 14104 (-2.7) | 14553 (0.4) | 14543 (0.3) | 14519 (0.2) | 14730 (1.6) | 14403 (-0.6) | 14257 (-1.7) |
| 1987 | 12962 | 12430 (-4.1) | 13150 (1.5) | 13140 (1.4) | 13049 (0.7) | 13320 (2.8) | 12740 (-1.7) | 12644 (-2.5) |
| 1988 | 12726 | 11873 (-6.7) | 13006 (2.2) | 12995 (2.1) | 12854 (1) | 13179 (3.6) | 12357 (-2.9) | 12393 (-2.6) |
| 1989 | 11927 | 10967 (-8) | 12047 (1) | 12036 (0.9) | 11953 (0.2) | 12246 (2.7) | 11541 (-3.2) | 11509 (-3.5) |
| 1990 | 7847 | 7125 (-9.2) | 7779 (-0.9) | 7770 (-1) | 7766 (-1) | 7898 (0.6) | 7595 (-3.2) | 7537 (-4) |
| 1991 | 5842 | 4995 (-14.5) | 5870 (0.5) | 5857 (0.3) | 5882 (0.7) | 6010 (2.9) | 5583 (-4.4) | 5555 (-4.9) |
| 1992 | 5702 | 4783 (-16.1) | 5849 (2.6) | 5864 (2.8) | 5837 (2.4) | 6057 (6.2) | 5425 (-4.9) | 5391 (-5.5) |
| 1993 | 3627 | 3177 (-12.4) | 3796 (4.7) | 3869 (6.7) | 3767 (3.9) | 3756 (3.6) | 3583 (-1.2) | 3601 (-0.7) |
| 1994 | 2390 | 2044 (-14.5) | 2137 (-10.6) | 2435 (1.9) | 2126 (-11) | 1490 (-37.7) | 2286 (-4.4) | 2474 (3.5) |
| 1995 | 3270 | 2723 (-16.7) | 2528 (-22.7) | 3000 (-8.3) | 2498 (-23.6) | 1613 (-50.7) | 2865 (-12.4) | 3262 (-0.2) |
| 1996 | 3665 | 3316 (-9.5) | 3233 (-11.8) | 3512 (-4.2) | 3205 (-12.6) | 2723 (-25.7) | 3395 (-7.4) | 3741 (2.1) |
| 1997 | 3348 | 3276 (-2.2) | 3247 (-3) | 3360 (0.4) | 3231 (-3.5) | 2924 (-12.7) | 3387 (1.2) | 3457 (3.3) |
| 1998 | 4311 | 4364 (1.2) | 4241 (-1.6) | 4306 (-0.1) | 4197 (-2.6) | 3932 (-8.8) | 4444 (3.1) | 4337 (0.6) |
| 1999 | 5558 | 5482 (-1.4) | 5553 (-0.1) | 5563 (0.1) | 5515 (-0.8) | 5441 (-2.1) | 5606 (0.9) | 5532 (-0.5) |

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**Table** **:** Table EIS.3. Predicted mean lambda (Nt+1/Nt) for total winter-run spawner abundance in the Upper Sacramento River, including both natural- and hatchery-origin fish.

| WYT | NAA | Alt1 | Alt2wTUCPwoVA | Alt2woTUCPwoVA | Alt2woTUCPDeltaVA | Alt2woTUCPAllVA | Alt3 | Alt4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | 0.815 | 0.795 (-2.5) | 0.802 (-1.6) | 0.815 (0) | 0.803 (-1.5) | 0.776 (-4.8) | 0.807 (-1) | 0.817 (0.2) |
| D | 1.042 | 1.035 (-0.7) | 1.042 (0) | 1.042 (0) | 1.042 (0) | 1.042 (0) | 1.039 (-0.3) | 1.037 (-0.5) |
| AN | 0.659 | 0.689 (4.6) | 0.671 (1.8) | 0.681 (3.3) | 0.667 (1.2) | 0.643 (-2.4) | 0.683 (3.6) | 0.69 (4.7) |
| W | 1.129 | 1.141 (1.1) | 1.139 (0.9) | 1.126 (-0.3) | 1.138 (0.8) | 1.183 (4.8) | 1.131 (0.2) | 1.123 (-0.5) |
| All | 0.980 | 0.979 (-0.1) | 0.98 (0) | 0.98 (0) | 0.979 (-0.1) | 0.979 (-0.1) | 0.98 (0) | 0.98 (0) |

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**Table** **:** Table EIS.4. Predicted terminal lambda (Nt=19/Nt=1) for total winter-run spawner abundance in the Upper Sacramento River, including both natural- and hatchery-origin fish, from deterministic model runs.

| NAA | Alt1 | Alt2wTUCPwoVA | Alt2woTUCPwoVA | Alt2woTUCPDeltaVA | Alt2woTUCPAllVA | Alt3 | Alt4 |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 0.679 | 0.67 (-1.3) | 0.678 (-0.1) | 0.679 (0) | 0.674 (-0.7) | 0.665 (-2.1) | 0.684 (0.7) | 0.676 (-0.4) |

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### Demographic Parameters

**Table** **:** Table EIS.5. Predicted small juvenile rearing survival for winter-run Chinook salmon in the Upper Sacramento River.

| WYT | Month | NAA | Alt1 | Alt2wTUCPwoVA | Alt2woTUCPwoVA | Alt2woTUCPDeltaVA | Alt2woTUCPAllVA | Alt3 | Alt4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| All | 9 | 0.166 | 0.165 | 0.164 | 0.166 | 0.163 | 0.159 | 0.166 | 0.1658490 |
| All | 10 | 0.181 | 0.177 | 0.175 | 0.179 | 0.176 | 0.172 | 0.179 | 0.1815840 |
| All | 11 | 0.200 | 0.199 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.2006766 |
| All | 12 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.2017296 |
| All | 1 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1902013 |
| All | 2 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.191 | 0.1902373 |
| All | 3 | 0.187 | 0.187 | 0.187 | 0.187 | 0.187 | 0.187 | 0.187 | 0.1869693 |
| All | 4 | 0.162 | 0.164 | 0.164 | 0.164 | 0.164 | 0.164 | 0.168 | 0.1629565 |
| All | 5 | 0.155 | 0.159 | 0.158 | 0.158 | 0.158 | 0.158 | 0.159 | 0.1559820 |
| C | 9 | 0.157 | 0.156 | 0.148 | 0.159 | 0.147 | 0.129 | 0.159 | 0.1594699 |
| C | 10 | 0.176 | 0.177 | 0.178 | 0.180 | 0.180 | 0.170 | 0.179 | 0.1800755 |
| C | 11 | 0.199 | 0.198 | 0.200 | 0.200 | 0.200 | 0.199 | 0.200 | 0.2006119 |
| C | 12 | 0.202 | 0.201 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.2013480 |
| C | 1 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1900750 |
| C | 2 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1901086 |
| C | 3 | 0.180 | 0.180 | 0.180 | 0.180 | 0.181 | 0.180 | 0.180 | 0.1798497 |
| C | 4 | 0.153 | 0.157 | 0.162 | 0.161 | 0.162 | 0.161 | 0.170 | 0.1554063 |
| C | 5 | 0.166 | 0.166 | 0.168 | 0.168 | 0.168 | 0.168 | 0.167 | 0.1670987 |
| D | 9 | 0.174 | 0.173 | 0.175 | 0.175 | 0.174 | 0.174 | 0.174 | 0.1739537 |
| D | 10 | 0.174 | 0.173 | 0.172 | 0.171 | 0.175 | 0.169 | 0.174 | 0.1741746 |
| D | 11 | 0.201 | 0.199 | 0.200 | 0.200 | 0.201 | 0.200 | 0.201 | 0.2006587 |
| D | 12 | 0.202 | 0.201 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.2013566 |
| D | 1 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1898939 |
| D | 2 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1898212 |
| D | 3 | 0.189 | 0.189 | 0.189 | 0.189 | 0.189 | 0.189 | 0.190 | 0.1895715 |
| D | 4 | 0.147 | 0.152 | 0.148 | 0.148 | 0.149 | 0.148 | 0.153 | 0.1493599 |
| D | 5 | 0.144 | 0.153 | 0.151 | 0.151 | 0.151 | 0.150 | 0.152 | 0.1447918 |
| AN | 9 | 0.159 | 0.158 | 0.159 | 0.159 | 0.159 | 0.159 | 0.158 | 0.1577389 |
| AN | 10 | 0.182 | 0.151 | 0.131 | 0.164 | 0.131 | 0.119 | 0.156 | 0.1821811 |
| AN | 11 | 0.198 | 0.196 | 0.195 | 0.196 | 0.195 | 0.196 | 0.195 | 0.1977753 |
| AN | 12 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.2019810 |
| AN | 1 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1902971 |
| AN | 2 | 0.190 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | 0.1905101 |
| AN | 3 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1902032 |
| AN | 4 | 0.168 | 0.170 | 0.168 | 0.169 | 0.168 | 0.169 | 0.172 | 0.1683844 |
| AN | 5 | 0.158 | 0.163 | 0.161 | 0.161 | 0.161 | 0.161 | 0.164 | 0.1606860 |
| W | 9 | 0.168 | 0.167 | 0.169 | 0.169 | 0.169 | 0.169 | 0.168 | 0.1675932 |
| W | 10 | 0.186 | 0.185 | 0.186 | 0.185 | 0.185 | 0.185 | 0.186 | 0.1855823 |
| W | 11 | 0.201 | 0.199 | 0.201 | 0.201 | 0.201 | 0.201 | 0.201 | 0.2013652 |
| W | 12 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.2020514 |
| W | 1 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1903868 |
| W | 2 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.191 | 0.1904330 |
| W | 3 | 0.189 | 0.189 | 0.189 | 0.189 | 0.189 | 0.189 | 0.189 | 0.1890493 |
| W | 4 | 0.172 | 0.172 | 0.172 | 0.172 | 0.172 | 0.172 | 0.172 | 0.1719877 |
| W | 5 | 0.152 | 0.156 | 0.155 | 0.155 | 0.155 | 0.155 | 0.156 | 0.1537341 |

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**Table** **:** Table EIS.6. Predicted smolt migratory survival for winter-run Chinook salmon in the Upper-mid Sacramento River.

| WYT | Month | NAA | Alt1 | Alt2wTUCPwoVA | Alt2woTUCPwoVA | Alt2woTUCPDeltaVA | Alt2woTUCPAllVA | Alt3 | Alt4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| All | 9 | 0.997 | 0.997 | 0.998 | 0.998 | 0.998 | 0.998 | 0.997 | 0.9971643 |
| All | 10 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.9981608 |
| All | 11 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9988353 |
| All | 12 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9991435 |
| All | 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996429 |
| All | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997685 |
| All | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9998051 |
| All | 4 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9987625 |
| All | 5 | 0.985 | 0.985 | 0.986 | 0.986 | 0.985 | 0.986 | 0.988 | 0.9851177 |
| C | 9 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 | 0.9968458 |
| C | 10 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.9978118 |
| C | 11 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.9981427 |
| C | 12 | 0.998 | 0.998 | 0.998 | 0.999 | 0.998 | 0.998 | 0.998 | 0.9984555 |
| C | 1 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9994094 |
| C | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996424 |
| C | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.999 | 0.9995565 |
| C | 4 | 0.998 | 0.998 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9983279 |
| C | 5 | 0.987 | 0.988 | 0.990 | 0.990 | 0.990 | 0.992 | 0.989 | 0.9888817 |
| D | 9 | 0.996 | 0.996 | 0.996 | 0.996 | 0.996 | 0.996 | 0.996 | 0.9955802 |
| D | 10 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.997 | 0.9975964 |
| D | 11 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9987523 |
| D | 12 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9987868 |
| D | 1 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993370 |
| D | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9995592 |
| D | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997531 |
| D | 4 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.998 | 0.9987741 |
| D | 5 | 0.989 | 0.987 | 0.987 | 0.987 | 0.985 | 0.985 | 0.983 | 0.9869602 |
| AN | 9 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 | 0.9965526 |
| AN | 10 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9983979 |
| AN | 11 | 0.999 | 0.998 | 0.999 | 0.999 | 0.999 | 0.999 | 0.998 | 0.9989366 |
| AN | 12 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9994909 |
| AN | 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997677 |
| AN | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9999217 |
| AN | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9999821 |
| AN | 4 | 0.999 | 0.998 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9985452 |
| AN | 5 | 0.984 | 0.984 | 0.984 | 0.984 | 0.984 | 0.988 | 0.995 | 0.9840627 |
| W | 9 | 0.999 | 0.998 | 0.999 | 0.999 | 0.999 | 0.999 | 0.998 | 0.9981811 |
| W | 10 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9985528 |
| W | 11 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9992344 |
| W | 12 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996070 |
| W | 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9998809 |
| W | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9998974 |
| W | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9999270 |
| W | 4 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9990469 |
| W | 5 | 0.983 | 0.983 | 0.983 | 0.983 | 0.982 | 0.982 | 0.987 | 0.9824421 |

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**Table** **:** Table EIS.7. Predicted smolt migratory survival for winter-run Chinook salmon in the Lower-mid Sacramento River.

| WYT | Month | NAA | Alt1 | Alt2wTUCPwoVA | Alt2woTUCPwoVA | Alt2woTUCPDeltaVA | Alt2woTUCPAllVA | Alt3 | Alt4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| All | 9 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9995406 |
| All | 10 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.999 | 0.9994885 |
| All | 11 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9995997 |
| All | 12 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996336 |
| All | 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997224 |
| All | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9998006 |
| All | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9998450 |
| All | 4 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996069 |
| All | 5 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9991237 |
| C | 9 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993332 |
| C | 10 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993542 |
| C | 11 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993370 |
| C | 12 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993713 |
| C | 1 | 1.000 | 1.000 | 1.000 | 0.999 | 0.999 | 1.000 | 1.000 | 0.9995381 |
| C | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996838 |
| C | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996502 |
| C | 4 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993226 |
| C | 5 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.998 | 0.9987411 |
| D | 9 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993002 |
| D | 10 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9994314 |
| D | 11 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996492 |
| D | 12 | 1.000 | 0.999 | 1.000 | 1.000 | 0.999 | 0.999 | 0.999 | 0.9994876 |
| D | 1 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9994979 |
| D | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996197 |
| D | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997937 |
| D | 4 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.999 | 0.9996690 |
| D | 5 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993817 |
| AN | 9 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996005 |
| AN | 10 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9995110 |
| AN | 11 | 1.000 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996862 |
| AN | 12 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997574 |
| AN | 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9998075 |
| AN | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9999325 |
| AN | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9999859 |
| AN | 4 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996087 |
| AN | 5 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 1.000 | 0.9989921 |
| W | 9 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997494 |
| W | 10 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9995836 |
| W | 11 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997043 |
| W | 12 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9998168 |
| W | 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9999057 |
| W | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9999164 |
| W | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9999447 |
| W | 4 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997369 |
| W | 5 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9992508 |

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**Table** **:** Table EIS.8. Predicted smolt migratory survival for winter-run Chinook salmon in the Lower Sacramento River.

| WYT | Month | NAA | Alt1 | Alt2wTUCPwoVA | Alt2woTUCPwoVA | Alt2woTUCPDeltaVA | Alt2woTUCPAllVA | Alt3 | Alt4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| All | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996294 |
| All | 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9995971 |
| All | 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997123 |
| All | 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996906 |
| All | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997588 |
| All | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9998028 |
| All | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9998377 |
| All | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997008 |
| All | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997915 |
| C | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9994680 |
| C | 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9995004 |
| C | 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9995569 |
| C | 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9994712 |
| C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9995829 |
| C | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996720 |
| C | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996160 |
| C | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9994757 |
| C | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996729 |
| D | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9994207 |
| D | 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9995672 |
| D | 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997269 |
| D | 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9995866 |
| D | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9995726 |
| D | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996154 |
| D | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997876 |
| D | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997727 |
| D | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9998526 |
| AN | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997004 |
| AN | 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9995877 |
| AN | 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997482 |
| AN | 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997905 |
| AN | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9998249 |
| AN | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9999480 |
| AN | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9999898 |
| AN | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996947 |
| AN | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997405 |
| W | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997962 |
| W | 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996661 |
| W | 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997841 |
| W | 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9998365 |
| W | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9999246 |
| W | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9999265 |
| W | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9999494 |
| W | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997953 |
| W | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9998415 |

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**Table** **:** Table EIS.9. Predicted smolt migratory survival for winter-run Chinook salmon in the North Delta.

| WYT | Month | NAA | Alt1 | Alt2wTUCPwoVA | Alt2woTUCPwoVA | Alt2woTUCPDeltaVA | Alt2woTUCPAllVA | Alt3 | Alt4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| All | 9 | 0.841 | 0.839 | 0.841 | 0.841 | 0.841 | 0.841 | 0.840 | 0.8400630 |
| All | 10 | 0.843 | 0.843 | 0.843 | 0.843 | 0.842 | 0.843 | 0.842 | 0.8421124 |
| All | 11 | 0.841 | 0.840 | 0.842 | 0.841 | 0.843 | 0.842 | 0.841 | 0.8416931 |
| All | 12 | 0.846 | 0.847 | 0.846 | 0.847 | 0.846 | 0.846 | 0.847 | 0.8466950 |
| All | 1 | 0.849 | 0.849 | 0.849 | 0.849 | 0.848 | 0.849 | 0.850 | 0.8492150 |
| All | 2 | 0.855 | 0.855 | 0.855 | 0.855 | 0.854 | 0.855 | 0.855 | 0.8546947 |
| All | 3 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.855 | 0.8541104 |
| All | 4 | 0.844 | 0.846 | 0.846 | 0.845 | 0.846 | 0.847 | 0.847 | 0.8452176 |
| All | 5 | 0.839 | 0.840 | 0.840 | 0.840 | 0.839 | 0.840 | 0.840 | 0.8395166 |
| C | 9 | 0.831 | 0.828 | 0.830 | 0.831 | 0.830 | 0.830 | 0.831 | 0.8300428 |
| C | 10 | 0.838 | 0.840 | 0.840 | 0.840 | 0.837 | 0.839 | 0.836 | 0.8375580 |
| C | 11 | 0.830 | 0.831 | 0.833 | 0.830 | 0.834 | 0.834 | 0.830 | 0.8315601 |
| C | 12 | 0.837 | 0.841 | 0.837 | 0.839 | 0.837 | 0.837 | 0.837 | 0.8370978 |
| C | 1 | 0.840 | 0.839 | 0.842 | 0.839 | 0.838 | 0.842 | 0.842 | 0.8421385 |
| C | 2 | 0.851 | 0.851 | 0.851 | 0.851 | 0.850 | 0.851 | 0.851 | 0.8508422 |
| C | 3 | 0.848 | 0.848 | 0.848 | 0.847 | 0.848 | 0.848 | 0.848 | 0.8475480 |
| C | 4 | 0.831 | 0.838 | 0.838 | 0.835 | 0.837 | 0.839 | 0.836 | 0.8347618 |
| C | 5 | 0.827 | 0.830 | 0.830 | 0.830 | 0.830 | 0.832 | 0.830 | 0.8299929 |
| D | 9 | 0.837 | 0.836 | 0.837 | 0.837 | 0.837 | 0.837 | 0.836 | 0.8369358 |
| D | 10 | 0.842 | 0.841 | 0.842 | 0.842 | 0.842 | 0.842 | 0.841 | 0.8411344 |
| D | 11 | 0.843 | 0.841 | 0.842 | 0.842 | 0.844 | 0.843 | 0.843 | 0.8421285 |
| D | 12 | 0.843 | 0.843 | 0.844 | 0.844 | 0.843 | 0.843 | 0.844 | 0.8429071 |
| D | 1 | 0.841 | 0.841 | 0.841 | 0.841 | 0.841 | 0.841 | 0.841 | 0.8402243 |
| D | 2 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.849 | 0.8480677 |
| D | 3 | 0.852 | 0.852 | 0.852 | 0.852 | 0.852 | 0.852 | 0.853 | 0.8521480 |
| D | 4 | 0.840 | 0.840 | 0.840 | 0.840 | 0.841 | 0.843 | 0.842 | 0.8411322 |
| D | 5 | 0.837 | 0.837 | 0.837 | 0.837 | 0.836 | 0.836 | 0.831 | 0.8364648 |
| AN | 9 | 0.846 | 0.843 | 0.847 | 0.847 | 0.847 | 0.847 | 0.841 | 0.8446829 |
| AN | 10 | 0.847 | 0.842 | 0.841 | 0.841 | 0.841 | 0.841 | 0.841 | 0.8407182 |
| AN | 11 | 0.836 | 0.831 | 0.838 | 0.838 | 0.838 | 0.839 | 0.834 | 0.8382772 |
| AN | 12 | 0.842 | 0.846 | 0.842 | 0.842 | 0.842 | 0.842 | 0.844 | 0.8470910 |
| AN | 1 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.855 | 0.8533437 |
| AN | 2 | 0.859 | 0.859 | 0.859 | 0.859 | 0.859 | 0.859 | 0.859 | 0.8592367 |
| AN | 3 | 0.859 | 0.858 | 0.858 | 0.859 | 0.858 | 0.858 | 0.859 | 0.8586595 |
| AN | 4 | 0.850 | 0.849 | 0.850 | 0.850 | 0.850 | 0.851 | 0.853 | 0.8499158 |
| AN | 5 | 0.842 | 0.843 | 0.842 | 0.842 | 0.842 | 0.843 | 0.848 | 0.8418043 |
| W | 9 | 0.848 | 0.846 | 0.848 | 0.848 | 0.848 | 0.848 | 0.846 | 0.8459930 |
| W | 10 | 0.846 | 0.845 | 0.846 | 0.846 | 0.846 | 0.846 | 0.846 | 0.8453871 |
| W | 11 | 0.848 | 0.847 | 0.848 | 0.848 | 0.848 | 0.847 | 0.847 | 0.8478882 |
| W | 12 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.8536224 |
| W | 1 | 0.856 | 0.856 | 0.856 | 0.856 | 0.856 | 0.856 | 0.856 | 0.8562247 |
| W | 2 | 0.859 | 0.859 | 0.859 | 0.859 | 0.859 | 0.859 | 0.859 | 0.8587711 |
| W | 3 | 0.858 | 0.857 | 0.858 | 0.858 | 0.858 | 0.858 | 0.858 | 0.8576175 |
| W | 4 | 0.852 | 0.852 | 0.852 | 0.852 | 0.852 | 0.852 | 0.853 | 0.8517980 |
| W | 5 | 0.846 | 0.846 | 0.846 | 0.846 | 0.846 | 0.846 | 0.848 | 0.8456556 |

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**Table** **:** Table EIS.10. Predicted smolt migratory survival for winter-run Chinook salmon in the South Delta.

| WYT | Month | NAA | Alt1 | Alt2wTUCPwoVA | Alt2woTUCPwoVA | Alt2woTUCPDeltaVA | Alt2woTUCPAllVA | Alt3 | Alt4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| All | 9 | 0.326 | 0.308 | 0.327 | 0.327 | 0.328 | 0.327 | 0.310 | 0.3142150 |
| All | 10 | 0.291 | 0.287 | 0.291 | 0.291 | 0.290 | 0.291 | 0.286 | 0.2859149 |
| All | 11 | 0.329 | 0.323 | 0.330 | 0.329 | 0.333 | 0.332 | 0.326 | 0.3319283 |
| All | 12 | 0.379 | 0.387 | 0.381 | 0.383 | 0.380 | 0.379 | 0.389 | 0.3846347 |
| All | 1 | 0.438 | 0.439 | 0.442 | 0.438 | 0.438 | 0.442 | 0.445 | 0.4400147 |
| All | 2 | 0.470 | 0.468 | 0.469 | 0.469 | 0.463 | 0.469 | 0.469 | 0.4705475 |
| All | 3 | 0.469 | 0.466 | 0.467 | 0.468 | 0.469 | 0.468 | 0.473 | 0.4683637 |
| All | 4 | 0.365 | 0.370 | 0.372 | 0.369 | 0.372 | 0.378 | 0.387 | 0.3698849 |
| All | 5 | 0.345 | 0.348 | 0.347 | 0.347 | 0.346 | 0.349 | 0.359 | 0.3463451 |
| C | 9 | 0.251 | 0.245 | 0.248 | 0.248 | 0.251 | 0.249 | 0.250 | 0.2484914 |
| C | 10 | 0.250 | 0.255 | 0.253 | 0.253 | 0.250 | 0.253 | 0.241 | 0.2491954 |
| C | 11 | 0.251 | 0.247 | 0.254 | 0.253 | 0.257 | 0.253 | 0.244 | 0.2535977 |
| C | 12 | 0.278 | 0.290 | 0.278 | 0.286 | 0.279 | 0.277 | 0.288 | 0.2783746 |
| C | 1 | 0.323 | 0.317 | 0.333 | 0.319 | 0.319 | 0.334 | 0.334 | 0.3340512 |
| C | 2 | 0.366 | 0.357 | 0.361 | 0.362 | 0.340 | 0.362 | 0.357 | 0.3627318 |
| C | 3 | 0.346 | 0.342 | 0.342 | 0.342 | 0.347 | 0.344 | 0.349 | 0.3430606 |
| C | 4 | 0.248 | 0.277 | 0.275 | 0.261 | 0.272 | 0.279 | 0.265 | 0.2611065 |
| C | 5 | 0.250 | 0.257 | 0.259 | 0.259 | 0.258 | 0.266 | 0.257 | 0.2581781 |
| D | 9 | 0.285 | 0.276 | 0.290 | 0.290 | 0.286 | 0.287 | 0.279 | 0.2861866 |
| D | 10 | 0.282 | 0.273 | 0.283 | 0.283 | 0.283 | 0.283 | 0.269 | 0.2725701 |
| D | 11 | 0.324 | 0.315 | 0.319 | 0.319 | 0.331 | 0.330 | 0.327 | 0.3225785 |
| D | 12 | 0.323 | 0.322 | 0.331 | 0.331 | 0.323 | 0.322 | 0.329 | 0.3228597 |
| D | 1 | 0.324 | 0.327 | 0.331 | 0.331 | 0.331 | 0.330 | 0.330 | 0.3229247 |
| D | 2 | 0.343 | 0.343 | 0.342 | 0.342 | 0.341 | 0.340 | 0.351 | 0.3475676 |
| D | 3 | 0.412 | 0.413 | 0.413 | 0.413 | 0.413 | 0.414 | 0.429 | 0.4146228 |
| D | 4 | 0.310 | 0.309 | 0.310 | 0.310 | 0.313 | 0.329 | 0.327 | 0.3170989 |
| D | 5 | 0.308 | 0.308 | 0.306 | 0.306 | 0.300 | 0.301 | 0.272 | 0.3030137 |
| AN | 9 | 0.365 | 0.329 | 0.375 | 0.376 | 0.379 | 0.377 | 0.305 | 0.3452883 |
| AN | 10 | 0.280 | 0.282 | 0.272 | 0.273 | 0.273 | 0.272 | 0.270 | 0.2671265 |
| AN | 11 | 0.272 | 0.259 | 0.290 | 0.287 | 0.290 | 0.292 | 0.264 | 0.2897605 |
| AN | 12 | 0.308 | 0.343 | 0.306 | 0.305 | 0.306 | 0.306 | 0.331 | 0.3540850 |
| AN | 1 | 0.492 | 0.500 | 0.495 | 0.496 | 0.494 | 0.497 | 0.505 | 0.4833883 |
| AN | 2 | 0.566 | 0.565 | 0.565 | 0.565 | 0.565 | 0.565 | 0.565 | 0.5652119 |
| AN | 3 | 0.559 | 0.555 | 0.554 | 0.559 | 0.553 | 0.550 | 0.563 | 0.5577645 |
| AN | 4 | 0.402 | 0.392 | 0.399 | 0.401 | 0.399 | 0.411 | 0.452 | 0.4006676 |
| AN | 5 | 0.342 | 0.348 | 0.341 | 0.341 | 0.340 | 0.351 | 0.413 | 0.3413836 |
| W | 9 | 0.377 | 0.353 | 0.376 | 0.376 | 0.377 | 0.377 | 0.357 | 0.3562800 |
| W | 10 | 0.320 | 0.313 | 0.320 | 0.320 | 0.319 | 0.319 | 0.322 | 0.3164209 |
| W | 11 | 0.388 | 0.382 | 0.386 | 0.386 | 0.386 | 0.385 | 0.385 | 0.3889713 |
| W | 12 | 0.477 | 0.479 | 0.477 | 0.477 | 0.477 | 0.477 | 0.485 | 0.4779125 |
| W | 1 | 0.539 | 0.542 | 0.539 | 0.539 | 0.539 | 0.539 | 0.544 | 0.5412846 |
| W | 2 | 0.564 | 0.564 | 0.564 | 0.564 | 0.564 | 0.564 | 0.563 | 0.5640663 |
| W | 3 | 0.542 | 0.539 | 0.542 | 0.542 | 0.542 | 0.542 | 0.542 | 0.5419946 |
| W | 4 | 0.446 | 0.445 | 0.447 | 0.447 | 0.447 | 0.447 | 0.468 | 0.4469373 |
| W | 5 | 0.415 | 0.416 | 0.416 | 0.416 | 0.415 | 0.415 | 0.443 | 0.4156878 |

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