All WR SIT DSM Summary Tables - EIS

2023-11-20

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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 | 8762 | 8762 | 8762 | 8762 | 8762 | 8762 |
| 1981 | 9376 | 9376 | 9376 | 9376 | 9376 | 9376 | 9376 | 9376 |
| 1982 | 8156 | 8035 | 8147 | 8146 | 8177 | 8215 | 8151 | 8137 |
| 1983 | 8371 | 8143 | 8367 | 8366 | 8375 | 8523 | 8345 | 8387 |
| 1984 | 11391 | 11246 | 11411 | 11410 | 11339 | 11540 | 11338 | 11465 |
| 1985 | 14384 | 14178 | 14403 | 14402 | 14350 | 14526 | 14331 | 14414 |
| 1986 | 14884 | 14491 | 14931 | 14929 | 14915 | 15125 | 14790 | 14926 |
| 1987 | 13350 | 12817 | 13454 | 13451 | 13381 | 13708 | 13128 | 13470 |
| 1988 | 13113 | 12260 | 13232 | 13230 | 13118 | 13558 | 12744 | 13201 |
| 1989 | 12314 | 11354 | 12336 | 12336 | 12284 | 12627 | 11928 | 12331 |
| 1990 | 8234 | 7513 | 8141 | 8140 | 8114 | 8325 | 7982 | 8243 |
| 1991 | 6230 | 5382 | 6201 | 6196 | 6154 | 6484 | 5971 | 6280 |
| 1992 | 6089 | 5170 | 6160 | 6169 | 6140 | 6504 | 5812 | 6181 |
| 1993 | 4015 | 3564 | 4161 | 4148 | 4155 | 4288 | 3971 | 4161 |
| 1994 | 2777 | 2431 | 2754 | 2021 | 2231 | 2243 | 2673 | 2881 |
| 1995 | 3657 | 3110 | 3338 | 1962 | 2297 | 2352 | 3252 | 3623 |
| 1996 | 4052 | 3704 | 3856 | 3066 | 3220 | 3295 | 3782 | 4026 |
| 1997 | 3735 | 3663 | 3700 | 3390 | 3421 | 3474 | 3775 | 3748 |
| 1998 | 4698 | 4752 | 4661 | 4395 | 4413 | 4436 | 4831 | 4684 |
| 1999 | 5946 | 5870 | 5941 | 5859 | 5848 | 5853 | 5994 | 5940 |

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

| Year | Alt1 | Alt2wTUCPwoVA | Alt2woTUCPwoVA | Alt2woTUCPDeltaVA | Alt2woTUCPAllVA | Alt3 | Alt4 |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1980 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1981 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1982 | -1.48 | -0.11 | -0.12 | 0.26 | 0.72 | -0.06 | -0.23 |
| 1983 | -2.72 | -0.05 | -0.06 | 0.05 | 1.82 | -0.31 | 0.19 |
| 1984 | -1.27 | 0.18 | 0.17 | -0.46 | 1.31 | -0.47 | 0.65 |
| 1985 | -1.43 | 0.13 | 0.13 | -0.24 | 0.99 | -0.37 | 0.21 |
| 1986 | -2.64 | 0.32 | 0.30 | 0.21 | 1.62 | -0.63 | 0.28 |
| 1987 | -3.99 | 0.78 | 0.76 | 0.23 | 2.68 | -1.66 | 0.90 |
| 1988 | -6.50 | 0.91 | 0.89 | 0.04 | 3.39 | -2.81 | 0.67 |
| 1989 | -7.80 | 0.18 | 0.18 | -0.24 | 2.54 | -3.13 | 0.14 |
| 1990 | -8.76 | -1.13 | -1.14 | -1.46 | 1.11 | -3.06 | 0.11 |
| 1991 | -13.61 | -0.47 | -0.55 | -1.22 | 4.08 | -4.16 | 0.80 |
| 1992 | -15.09 | 1.17 | 1.31 | 0.84 | 6.82 | -4.55 | 1.51 |
| 1993 | -11.23 | 3.64 | 3.31 | 3.49 | 6.80 | -1.10 | 3.64 |
| 1994 | -12.46 | -0.83 | -27.22 | -19.66 | -19.23 | -3.75 | 3.75 |
| 1995 | -14.96 | -8.72 | -46.35 | -37.19 | -35.68 | -11.07 | -0.93 |
| 1996 | -8.59 | -4.84 | -24.33 | -20.53 | -18.68 | -6.66 | -0.64 |
| 1997 | -1.93 | -0.94 | -9.24 | -8.41 | -6.99 | 1.07 | 0.35 |
| 1998 | 1.15 | -0.79 | -6.45 | -6.07 | -5.58 | 2.83 | -0.30 |
| 1999 | -1.28 | -0.08 | -1.46 | -1.65 | -1.56 | 0.81 | -0.10 |

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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 | 8374 | 8374 | 8374 | 8374 | 8374 | 8374 |
| 1981 | 8989 | 8989 | 8989 | 8989 | 8989 | 8989 | 8989 | 8989 |
| 1982 | 7769 | 7648 | 7760 | 7759 | 7790 | 7827 | 7764 | 7750 |
| 1983 | 7984 | 7756 | 7980 | 7978 | 7987 | 8136 | 7958 | 7999 |
| 1984 | 11004 | 10859 | 11024 | 11022 | 10951 | 11152 | 10951 | 11078 |
| 1985 | 13997 | 13790 | 14016 | 14014 | 13962 | 14138 | 13943 | 14026 |
| 1986 | 14497 | 14104 | 14544 | 14542 | 14528 | 14738 | 14403 | 14539 |
| 1987 | 12962 | 12430 | 13066 | 13064 | 12993 | 13321 | 12740 | 13082 |
| 1988 | 12726 | 11873 | 12845 | 12843 | 12731 | 13171 | 12357 | 12814 |
| 1989 | 11927 | 10967 | 11949 | 11948 | 11897 | 12240 | 11541 | 11943 |
| 1990 | 7847 | 7125 | 7754 | 7752 | 7727 | 7938 | 7595 | 7855 |
| 1991 | 5842 | 4995 | 5814 | 5809 | 5766 | 6097 | 5583 | 5893 |
| 1992 | 5702 | 4783 | 5773 | 5782 | 5753 | 6117 | 5425 | 5794 |
| 1993 | 3627 | 3177 | 3774 | 3761 | 3768 | 3901 | 3583 | 3774 |
| 1994 | 2390 | 2044 | 2367 | 1634 | 1844 | 1856 | 2286 | 2494 |
| 1995 | 3270 | 2723 | 2951 | 1575 | 1909 | 1965 | 2865 | 3236 |
| 1996 | 3665 | 3316 | 3469 | 2679 | 2833 | 2908 | 3395 | 3639 |
| 1997 | 3348 | 3276 | 3313 | 3002 | 3033 | 3087 | 3387 | 3361 |
| 1998 | 4311 | 4364 | 4273 | 4008 | 4026 | 4049 | 4444 | 4297 |
| 1999 | 5558 | 5482 | 5554 | 5471 | 5461 | 5466 | 5606 | 5552 |

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**Table** **:** Table EIS.2b. Predicted percent difference in annual natural-origin winter-run spawner abundance in the Upper Sacramento River, relative to NAA.

| Year | Alt1 | Alt2wTUCPwoVA | Alt2woTUCPwoVA | Alt2woTUCPDeltaVA | Alt2woTUCPAllVA | Alt3 | Alt4 |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1980 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1981 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1982 | -1.56 | -0.12 | -0.13 | 0.27 | 0.75 | -0.06 | -0.24 |
| 1983 | -2.86 | -0.05 | -0.08 | 0.04 | 1.90 | -0.33 | 0.19 |
| 1984 | -1.32 | 0.18 | 0.16 | -0.48 | 1.34 | -0.48 | 0.67 |
| 1985 | -1.48 | 0.14 | 0.12 | -0.25 | 1.01 | -0.39 | 0.21 |
| 1986 | -2.71 | 0.32 | 0.31 | 0.21 | 1.66 | -0.65 | 0.29 |
| 1987 | -4.10 | 0.80 | 0.79 | 0.24 | 2.77 | -1.71 | 0.93 |
| 1988 | -6.70 | 0.94 | 0.92 | 0.04 | 3.50 | -2.90 | 0.69 |
| 1989 | -8.05 | 0.18 | 0.18 | -0.25 | 2.62 | -3.24 | 0.13 |
| 1990 | -9.20 | -1.19 | -1.21 | -1.53 | 1.16 | -3.21 | 0.10 |
| 1991 | -14.50 | -0.48 | -0.56 | -1.30 | 4.36 | -4.43 | 0.87 |
| 1992 | -16.12 | 1.25 | 1.40 | 0.89 | 7.28 | -4.86 | 1.61 |
| 1993 | -12.41 | 4.05 | 3.69 | 3.89 | 7.55 | -1.21 | 4.05 |
| 1994 | -14.48 | -0.96 | -31.63 | -22.85 | -22.34 | -4.35 | 4.35 |
| 1995 | -16.73 | -9.76 | -51.83 | -41.62 | -39.91 | -12.39 | -1.04 |
| 1996 | -9.52 | -5.35 | -26.90 | -22.70 | -20.65 | -7.37 | -0.71 |
| 1997 | -2.15 | -1.05 | -10.33 | -9.41 | -7.80 | 1.16 | 0.39 |
| 1998 | 1.23 | -0.88 | -7.03 | -6.61 | -6.08 | 3.09 | -0.32 |
| 1999 | -1.37 | -0.07 | -1.57 | -1.75 | -1.66 | 0.86 | -0.11 |

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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 | 0.812 | 0.778 | 0.787 | 0.791 | 0.807 | 0.817 |
| D | 1.042 | 1.035 | 1.041 | 1.041 | 1.042 | 1.042 | 1.039 | 1.041 |
| AN | 0.659 | 0.689 | 0.676 | 0.672 | 0.677 | 0.659 | 0.683 | 0.673 |
| W | 1.129 | 1.141 | 1.129 | 1.174 | 1.155 | 1.157 | 1.131 | 1.124 |
| All | 0.980 | 0.979 | 0.980 | 0.979 | 0.979 | 0.979 | 0.980 | 0.980 |

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

| WYT | Alt1 | Alt2wTUCPwoVA | Alt2woTUCPwoVA | Alt2woTUCPDeltaVA | Alt2woTUCPAllVA | Alt3 | Alt4 |
| --- | --- | --- | --- | --- | --- | --- | --- |
| C | -2.43 | -0.40 | -4.64 | -3.49 | -3.02 | -1.03 | 0.26 |
| D | -0.66 | -0.08 | -0.07 | 0.01 | -0.05 | -0.27 | -0.12 |
| AN | 4.55 | 2.46 | 1.98 | 2.64 | 0.00 | 3.62 | 2.10 |
| W | 1.02 | -0.04 | 3.96 | 2.33 | 2.43 | 0.20 | -0.43 |
| All | -0.07 | 0.00 | -0.08 | -0.09 | -0.08 | 0.04 | -0.01 |

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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 | 0.678 | 0.669 | 0.668 | 0.668 | 0.684 | 0.678 |

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**Table** **:** Table EIS.4b. Predicted percent difference in 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 relative to NAA.

| Alt1 | Alt2wTUCPwoVA | Alt2woTUCPwoVA | Alt2woTUCPDeltaVA | Alt2woTUCPAllVA | Alt3 | Alt4 |
| --- | --- | --- | --- | --- | --- | --- |
| -1.28 | -0.08 | -1.46 | -1.63 | -1.55 | 0.81 | -0.1 |

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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 | 0.166 | 0.159 | 0.161 | 0.162 | 0.166 | 0.1662007 |
| All | 10 | 0.181 | 0.177 | 0.178 | 0.173 | 0.175 | 0.175 | 0.179 | 0.1818480 |
| All | 11 | 0.200 | 0.199 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.2007939 |
| All | 12 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.2017274 |
| All | 1 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1901991 |
| All | 2 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.191 | 0.1902404 |
| All | 3 | 0.187 | 0.187 | 0.187 | 0.187 | 0.187 | 0.187 | 0.187 | 0.1869952 |
| All | 4 | 0.162 | 0.164 | 0.164 | 0.164 | 0.164 | 0.165 | 0.168 | 0.1640343 |
| All | 5 | 0.155 | 0.159 | 0.158 | 0.158 | 0.158 | 0.158 | 0.159 | 0.1562850 |
| C | 9 | 0.157 | 0.156 | 0.160 | 0.130 | 0.140 | 0.140 | 0.159 | 0.1590433 |
| C | 10 | 0.176 | 0.177 | 0.179 | 0.176 | 0.180 | 0.180 | 0.179 | 0.1803547 |
| C | 11 | 0.199 | 0.198 | 0.200 | 0.199 | 0.200 | 0.200 | 0.200 | 0.2007203 |
| C | 12 | 0.202 | 0.201 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.2013744 |
| C | 1 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1900451 |
| C | 2 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1901033 |
| C | 3 | 0.180 | 0.180 | 0.180 | 0.180 | 0.180 | 0.180 | 0.180 | 0.1800621 |
| C | 4 | 0.153 | 0.157 | 0.161 | 0.162 | 0.162 | 0.163 | 0.170 | 0.1601336 |
| C | 5 | 0.166 | 0.166 | 0.168 | 0.168 | 0.168 | 0.168 | 0.167 | 0.1667641 |
| D | 9 | 0.174 | 0.173 | 0.174 | 0.174 | 0.174 | 0.174 | 0.174 | 0.1744380 |
| D | 10 | 0.174 | 0.173 | 0.173 | 0.173 | 0.174 | 0.173 | 0.174 | 0.1744850 |
| D | 11 | 0.201 | 0.199 | 0.200 | 0.200 | 0.200 | 0.200 | 0.201 | 0.2006307 |
| D | 12 | 0.202 | 0.201 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.2013579 |
| D | 1 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1898882 |
| D | 2 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1898463 |
| D | 3 | 0.189 | 0.189 | 0.189 | 0.189 | 0.189 | 0.189 | 0.190 | 0.1894380 |
| D | 4 | 0.147 | 0.152 | 0.148 | 0.148 | 0.148 | 0.148 | 0.153 | 0.1486888 |
| D | 5 | 0.144 | 0.153 | 0.151 | 0.152 | 0.151 | 0.150 | 0.152 | 0.1465465 |
| AN | 9 | 0.159 | 0.158 | 0.159 | 0.159 | 0.159 | 0.159 | 0.158 | 0.1586509 |
| AN | 10 | 0.182 | 0.151 | 0.153 | 0.108 | 0.115 | 0.116 | 0.156 | 0.1830353 |
| AN | 11 | 0.198 | 0.196 | 0.195 | 0.196 | 0.195 | 0.195 | 0.195 | 0.1985881 |
| AN | 12 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.2018878 |
| AN | 1 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1903645 |
| AN | 2 | 0.190 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | 0.1905096 |
| AN | 3 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1901995 |
| AN | 4 | 0.168 | 0.170 | 0.168 | 0.168 | 0.168 | 0.169 | 0.172 | 0.1684114 |
| AN | 5 | 0.158 | 0.163 | 0.161 | 0.161 | 0.161 | 0.161 | 0.164 | 0.1604153 |
| W | 9 | 0.168 | 0.167 | 0.168 | 0.168 | 0.168 | 0.168 | 0.168 | 0.1681937 |
| W | 10 | 0.186 | 0.185 | 0.185 | 0.186 | 0.186 | 0.186 | 0.186 | 0.1856863 |
| W | 11 | 0.201 | 0.199 | 0.201 | 0.201 | 0.201 | 0.201 | 0.201 | 0.2013976 |
| W | 12 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.202 | 0.2020521 |
| W | 1 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.1903860 |
| W | 2 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.191 | 0.1904320 |
| W | 3 | 0.189 | 0.189 | 0.189 | 0.189 | 0.189 | 0.189 | 0.189 | 0.1890492 |
| W | 4 | 0.172 | 0.172 | 0.172 | 0.172 | 0.172 | 0.172 | 0.172 | 0.1720489 |
| W | 5 | 0.152 | 0.156 | 0.155 | 0.155 | 0.155 | 0.155 | 0.156 | 0.1538737 |

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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 | 0.997 | 0.997 | 0.997 | 0.9975156 |
| All | 10 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.9982896 |
| All | 11 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9988617 |
| All | 12 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9990909 |
| All | 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996553 |
| All | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997675 |
| All | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9998030 |
| All | 4 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9987842 |
| All | 5 | 0.985 | 0.985 | 0.985 | 0.986 | 0.985 | 0.986 | 0.988 | 0.9849486 |
| C | 9 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 | 0.9969502 |
| C | 10 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.9978852 |
| C | 11 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.9981822 |
| C | 12 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.9984455 |
| C | 1 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9994306 |
| C | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996385 |
| C | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.999 | 0.9995599 |
| C | 4 | 0.998 | 0.998 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9984916 |
| C | 5 | 0.987 | 0.988 | 0.990 | 0.990 | 0.990 | 0.992 | 0.989 | 0.9881983 |
| D | 9 | 0.996 | 0.996 | 0.996 | 0.996 | 0.996 | 0.996 | 0.996 | 0.9958473 |
| D | 10 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.998 | 0.997 | 0.9978228 |
| D | 11 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9988560 |
| D | 12 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9988604 |
| D | 1 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993374 |
| D | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9995591 |
| D | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997381 |
| D | 4 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.998 | 0.9986195 |
| D | 5 | 0.989 | 0.987 | 0.988 | 0.987 | 0.986 | 0.986 | 0.983 | 0.9870796 |
| AN | 9 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 | 0.9972881 |
| AN | 10 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9985651 |
| AN | 11 | 0.999 | 0.998 | 0.999 | 0.999 | 0.999 | 0.999 | 0.998 | 0.9990637 |
| AN | 12 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9988333 |
| AN | 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9998379 |
| 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 | 0.9985723 |
| AN | 5 | 0.984 | 0.984 | 0.983 | 0.983 | 0.983 | 0.988 | 0.995 | 0.9835008 |
| W | 9 | 0.999 | 0.998 | 0.999 | 0.999 | 0.999 | 0.999 | 0.998 | 0.9986217 |
| W | 10 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9986604 |
| W | 11 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9991967 |
| W | 12 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996091 |
| 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 | 0.9990670 |
| W | 5 | 0.983 | 0.983 | 0.983 | 0.983 | 0.982 | 0.982 | 0.987 | 0.9825179 |

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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 | 0.9995749 |
| All | 10 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.999 | 0.9995162 |
| All | 11 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996134 |
| All | 12 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996151 |
| All | 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997320 |
| All | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997997 |
| All | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9998430 |
| All | 4 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996097 |
| All | 5 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9990933 |
| C | 9 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993455 |
| C | 10 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993706 |
| C | 11 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993800 |
| C | 12 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993681 |
| C | 1 | 1.000 | 1.000 | 1.000 | 1.000 | 0.999 | 0.999 | 1.000 | 0.9995535 |
| C | 2 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996805 |
| C | 3 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996530 |
| C | 4 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 1.000 | 0.999 | 0.9993711 |
| C | 5 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.998 | 0.9986374 |
| D | 9 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993207 |
| D | 10 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9994740 |
| D | 11 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996742 |
| D | 12 | 1.000 | 0.999 | 1.000 | 1.000 | 0.999 | 0.999 | 0.999 | 0.9995132 |
| D | 1 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9994982 |
| 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 | 0.9997803 |
| D | 4 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.999 | 0.9996216 |
| D | 5 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9993785 |
| AN | 9 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996681 |
| AN | 10 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9995457 |
| AN | 11 | 1.000 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997206 |
| AN | 12 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9995261 |
| AN | 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9998645 |
| 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 | 0.9996091 |
| AN | 5 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 1.000 | 0.9989560 |
| W | 9 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9997946 |
| W | 10 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996092 |
| W | 11 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9996922 |
| W | 12 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.9998174 |
| 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 | 0.9997372 |
| W | 5 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.9992504 |

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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 | 0.9996548 |
| All | 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996175 |
| All | 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997183 |
| All | 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996756 |
| All | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997674 |
| All | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9998019 |
| All | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9998356 |
| All | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997016 |
| All | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997865 |
| C | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9994740 |
| C | 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9995123 |
| C | 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9995710 |
| C | 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9994687 |
| C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9995963 |
| C | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996685 |
| C | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996189 |
| C | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9995036 |
| C | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996563 |
| D | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9994357 |
| D | 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996004 |
| D | 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997447 |
| D | 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996073 |
| D | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9995728 |
| D | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996153 |
| D | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997736 |
| D | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997410 |
| D | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9998521 |
| AN | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997512 |
| AN | 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996133 |
| AN | 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997743 |
| AN | 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996031 |
| AN | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9998768 |
| AN | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9999480 |
| AN | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9999897 |
| AN | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996950 |
| AN | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997335 |
| W | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9998312 |
| W | 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9996844 |
| W | 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9997760 |
| W | 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9998370 |
| 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 | 0.9997955 |
| W | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.9998414 |

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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 | 0.8413096 |
| All | 10 | 0.843 | 0.843 | 0.843 | 0.843 | 0.842 | 0.843 | 0.842 | 0.8426436 |
| All | 11 | 0.841 | 0.840 | 0.841 | 0.842 | 0.842 | 0.842 | 0.841 | 0.8413909 |
| All | 12 | 0.846 | 0.847 | 0.846 | 0.846 | 0.846 | 0.846 | 0.847 | 0.8463585 |
| All | 1 | 0.849 | 0.849 | 0.850 | 0.849 | 0.849 | 0.849 | 0.850 | 0.8491850 |
| All | 2 | 0.855 | 0.855 | 0.855 | 0.855 | 0.855 | 0.855 | 0.855 | 0.8546566 |
| All | 3 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.855 | 0.8541110 |
| All | 4 | 0.844 | 0.846 | 0.845 | 0.846 | 0.846 | 0.847 | 0.847 | 0.8450687 |
| All | 5 | 0.839 | 0.840 | 0.840 | 0.840 | 0.839 | 0.840 | 0.840 | 0.8397013 |
| C | 9 | 0.831 | 0.828 | 0.831 | 0.830 | 0.830 | 0.830 | 0.831 | 0.8310345 |
| C | 10 | 0.838 | 0.840 | 0.838 | 0.838 | 0.837 | 0.838 | 0.836 | 0.8377856 |
| C | 11 | 0.830 | 0.831 | 0.831 | 0.832 | 0.834 | 0.833 | 0.830 | 0.8303436 |
| C | 12 | 0.837 | 0.841 | 0.837 | 0.837 | 0.836 | 0.836 | 0.837 | 0.8374328 |
| C | 1 | 0.840 | 0.839 | 0.843 | 0.839 | 0.839 | 0.839 | 0.842 | 0.8419101 |
| C | 2 | 0.851 | 0.851 | 0.851 | 0.852 | 0.851 | 0.851 | 0.851 | 0.8508913 |
| C | 3 | 0.848 | 0.848 | 0.847 | 0.848 | 0.848 | 0.848 | 0.848 | 0.8476181 |
| C | 4 | 0.831 | 0.838 | 0.835 | 0.838 | 0.837 | 0.838 | 0.836 | 0.8348229 |
| C | 5 | 0.827 | 0.830 | 0.830 | 0.830 | 0.830 | 0.832 | 0.830 | 0.8304143 |
| D | 9 | 0.837 | 0.836 | 0.837 | 0.837 | 0.836 | 0.837 | 0.836 | 0.8368970 |
| D | 10 | 0.842 | 0.841 | 0.842 | 0.842 | 0.842 | 0.842 | 0.841 | 0.8422271 |
| D | 11 | 0.843 | 0.841 | 0.842 | 0.842 | 0.843 | 0.843 | 0.843 | 0.8420481 |
| D | 12 | 0.843 | 0.843 | 0.844 | 0.844 | 0.843 | 0.843 | 0.844 | 0.8433926 |
| D | 1 | 0.841 | 0.841 | 0.841 | 0.841 | 0.841 | 0.841 | 0.841 | 0.8403129 |
| D | 2 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.847 | 0.849 | 0.8478299 |
| D | 3 | 0.852 | 0.852 | 0.852 | 0.852 | 0.852 | 0.852 | 0.853 | 0.8520736 |
| D | 4 | 0.840 | 0.840 | 0.840 | 0.840 | 0.841 | 0.843 | 0.842 | 0.8402935 |
| D | 5 | 0.837 | 0.837 | 0.837 | 0.837 | 0.836 | 0.836 | 0.831 | 0.8368971 |
| AN | 9 | 0.846 | 0.843 | 0.847 | 0.847 | 0.847 | 0.847 | 0.841 | 0.8469910 |
| AN | 10 | 0.847 | 0.842 | 0.841 | 0.841 | 0.841 | 0.841 | 0.841 | 0.8412435 |
| AN | 11 | 0.836 | 0.831 | 0.838 | 0.838 | 0.839 | 0.839 | 0.834 | 0.8386509 |
| AN | 12 | 0.842 | 0.846 | 0.842 | 0.842 | 0.842 | 0.842 | 0.844 | 0.8420553 |
| AN | 1 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.855 | 0.8540558 |
| AN | 2 | 0.859 | 0.859 | 0.859 | 0.859 | 0.859 | 0.859 | 0.859 | 0.8592405 |
| AN | 3 | 0.859 | 0.858 | 0.859 | 0.858 | 0.858 | 0.858 | 0.859 | 0.8586744 |
| AN | 4 | 0.850 | 0.849 | 0.850 | 0.850 | 0.850 | 0.851 | 0.853 | 0.8499375 |
| AN | 5 | 0.842 | 0.843 | 0.842 | 0.842 | 0.841 | 0.843 | 0.848 | 0.8417386 |
| W | 9 | 0.848 | 0.846 | 0.848 | 0.848 | 0.848 | 0.848 | 0.846 | 0.8477166 |
| W | 10 | 0.846 | 0.845 | 0.846 | 0.846 | 0.846 | 0.846 | 0.846 | 0.8458389 |
| W | 11 | 0.848 | 0.847 | 0.848 | 0.848 | 0.848 | 0.847 | 0.847 | 0.8478450 |
| W | 12 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.8535917 |
| W | 1 | 0.856 | 0.856 | 0.856 | 0.856 | 0.856 | 0.856 | 0.856 | 0.8560873 |
| W | 2 | 0.859 | 0.859 | 0.859 | 0.859 | 0.859 | 0.859 | 0.859 | 0.8587639 |
| W | 3 | 0.858 | 0.857 | 0.858 | 0.858 | 0.858 | 0.858 | 0.858 | 0.8576097 |
| W | 4 | 0.852 | 0.852 | 0.852 | 0.852 | 0.852 | 0.852 | 0.853 | 0.8518012 |
| W | 5 | 0.846 | 0.846 | 0.846 | 0.846 | 0.846 | 0.846 | 0.848 | 0.8456543 |

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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 | 0.326 | 0.326 | 0.327 | 0.327 | 0.310 | 0.3268185 |
| All | 10 | 0.291 | 0.287 | 0.291 | 0.291 | 0.290 | 0.290 | 0.286 | 0.2909165 |
| All | 11 | 0.329 | 0.323 | 0.331 | 0.332 | 0.333 | 0.333 | 0.326 | 0.3309140 |
| All | 12 | 0.379 | 0.387 | 0.381 | 0.381 | 0.379 | 0.379 | 0.389 | 0.3811386 |
| All | 1 | 0.438 | 0.439 | 0.443 | 0.440 | 0.439 | 0.439 | 0.445 | 0.4391724 |
| All | 2 | 0.470 | 0.468 | 0.469 | 0.472 | 0.470 | 0.468 | 0.469 | 0.4699240 |
| All | 3 | 0.469 | 0.466 | 0.468 | 0.467 | 0.467 | 0.468 | 0.473 | 0.4681038 |
| All | 4 | 0.365 | 0.370 | 0.369 | 0.372 | 0.372 | 0.378 | 0.387 | 0.3688648 |
| All | 5 | 0.345 | 0.348 | 0.347 | 0.347 | 0.345 | 0.349 | 0.359 | 0.3472413 |
| C | 9 | 0.251 | 0.245 | 0.249 | 0.250 | 0.251 | 0.252 | 0.250 | 0.2497535 |
| C | 10 | 0.250 | 0.255 | 0.251 | 0.251 | 0.251 | 0.251 | 0.241 | 0.2517500 |
| C | 11 | 0.251 | 0.247 | 0.254 | 0.258 | 0.256 | 0.255 | 0.244 | 0.2517211 |
| C | 12 | 0.278 | 0.290 | 0.278 | 0.278 | 0.279 | 0.279 | 0.288 | 0.2808605 |
| C | 1 | 0.323 | 0.317 | 0.341 | 0.327 | 0.325 | 0.324 | 0.334 | 0.3305642 |
| C | 2 | 0.366 | 0.357 | 0.362 | 0.374 | 0.361 | 0.361 | 0.357 | 0.3634842 |
| C | 3 | 0.346 | 0.342 | 0.342 | 0.343 | 0.342 | 0.344 | 0.349 | 0.3438255 |
| C | 4 | 0.248 | 0.277 | 0.262 | 0.276 | 0.273 | 0.279 | 0.265 | 0.2613258 |
| C | 5 | 0.250 | 0.257 | 0.260 | 0.260 | 0.260 | 0.268 | 0.257 | 0.2599626 |
| D | 9 | 0.285 | 0.276 | 0.286 | 0.286 | 0.282 | 0.286 | 0.279 | 0.2859260 |
| D | 10 | 0.282 | 0.273 | 0.284 | 0.284 | 0.283 | 0.283 | 0.269 | 0.2836101 |
| D | 11 | 0.324 | 0.315 | 0.321 | 0.321 | 0.332 | 0.331 | 0.327 | 0.3214207 |
| D | 12 | 0.323 | 0.322 | 0.331 | 0.331 | 0.322 | 0.322 | 0.329 | 0.3274803 |
| D | 1 | 0.324 | 0.327 | 0.330 | 0.330 | 0.329 | 0.330 | 0.330 | 0.3228077 |
| D | 2 | 0.343 | 0.343 | 0.341 | 0.342 | 0.345 | 0.339 | 0.351 | 0.3437518 |
| D | 3 | 0.412 | 0.413 | 0.413 | 0.413 | 0.412 | 0.414 | 0.429 | 0.4125346 |
| D | 4 | 0.310 | 0.309 | 0.310 | 0.310 | 0.314 | 0.329 | 0.327 | 0.3114379 |
| D | 5 | 0.308 | 0.308 | 0.306 | 0.306 | 0.300 | 0.301 | 0.272 | 0.3057441 |
| AN | 9 | 0.365 | 0.329 | 0.375 | 0.374 | 0.379 | 0.376 | 0.305 | 0.3746546 |
| AN | 10 | 0.280 | 0.282 | 0.273 | 0.273 | 0.273 | 0.272 | 0.270 | 0.2733165 |
| AN | 11 | 0.272 | 0.259 | 0.290 | 0.291 | 0.292 | 0.292 | 0.264 | 0.2914525 |
| AN | 12 | 0.308 | 0.343 | 0.306 | 0.306 | 0.306 | 0.306 | 0.331 | 0.3071517 |
| AN | 1 | 0.492 | 0.500 | 0.496 | 0.496 | 0.497 | 0.497 | 0.505 | 0.4960650 |
| AN | 2 | 0.566 | 0.565 | 0.565 | 0.565 | 0.565 | 0.565 | 0.565 | 0.5652435 |
| AN | 3 | 0.559 | 0.555 | 0.558 | 0.550 | 0.552 | 0.552 | 0.563 | 0.5579879 |
| AN | 4 | 0.402 | 0.392 | 0.401 | 0.398 | 0.399 | 0.412 | 0.452 | 0.4010867 |
| AN | 5 | 0.342 | 0.348 | 0.340 | 0.340 | 0.337 | 0.351 | 0.413 | 0.3405267 |
| W | 9 | 0.377 | 0.353 | 0.376 | 0.376 | 0.377 | 0.377 | 0.357 | 0.3771766 |
| W | 10 | 0.320 | 0.313 | 0.320 | 0.320 | 0.319 | 0.319 | 0.322 | 0.3198340 |
| W | 11 | 0.388 | 0.382 | 0.388 | 0.388 | 0.386 | 0.386 | 0.385 | 0.3878985 |
| W | 12 | 0.477 | 0.479 | 0.477 | 0.477 | 0.477 | 0.477 | 0.485 | 0.4771382 |
| W | 1 | 0.539 | 0.542 | 0.539 | 0.539 | 0.539 | 0.539 | 0.544 | 0.5385852 |
| W | 2 | 0.564 | 0.564 | 0.564 | 0.564 | 0.564 | 0.564 | 0.563 | 0.5639516 |
| W | 3 | 0.542 | 0.539 | 0.542 | 0.542 | 0.542 | 0.542 | 0.542 | 0.5418704 |
| W | 4 | 0.446 | 0.445 | 0.447 | 0.447 | 0.447 | 0.447 | 0.468 | 0.4469713 |
| W | 5 | 0.415 | 0.416 | 0.416 | 0.416 | 0.415 | 0.415 | 0.443 | 0.4156648 |

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