**Log of monthly collections**

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| Yr/Month | Fish ID | Sex | SL (mm) | Body Mass (g) | Gonadal Mass (g) | GSI |
| 13-May | HAEE01 | Male | 62.02 | 3.8067 | 0.0558 | 1.47 |
| 13-May | HAEE02 | Male | 49.33 | 1.8073 | 0.0166 | 0.92 |
| 13-May | HAEE03 | Male | 54.91 | 2.5963 | 0.043 | 1.66 |
| 13-May | HAEE04 | Female | 57.74 | 1.8017 | 0.231 | 12.82 |
| 13-May | HAEE05 | Female | 60.17 | 2.1667 | 0.284 | 13.1 |
| 13-May | HAEE06 | Male | 55.23 | 2.381 | 0.0217 | 0.91 |
| 13-May | HAEE07 | Male | 52.64 | 1.9907 | 0.0522 | 2.62 |
| 13-May | HAEE08 | Male | 62.75 | 3.3933 | 0.0504 | 1.49 |
| 13-May | HAEE09 | Juvenile | 29.43 | 1.4905 |  |  |
| 13-Jun | HAFF01 | Male | 53.58 | 2.3205 | 0.0181 | 0.78 |
| 13-Jun | HAFF02 | Male | 52.65 | 2.4722 | 0.023 | 0.93 |
| 13-Jun | HAFF03 | Male | 54.27 | 2.7304 | 0.0153 | 0.56 |
| 13-Jun | HAFF04 | Female | 54.2 | 2.8917 | 0.2257 | 7.81 |
| 13-Jun | HAFF05 | Male | 55.76 | 2.7195 | 0.0247 | 0.91 |
| 13-Jun | HAFF06 | Juvenile | 32.43 | 0.3843 |  |  |
| 13-Jun | HAFF07 | Juvenile | 30.77 | 0.2796 |  |  |
| 13-Jun | HAFF08 | Juvenile | 31.93 | 0.3955 |  |  |
| 13-Jun | HAFF09 | Juvenile | 32.94 | 0.3616 |  |  |
| 13-Jun | HAFF10 | Juvenile | 31.93 | 0.3769 |  |  |
| 13-Jun | HAFF11 | Female | 61.86 | 3.8393 | 0.2542 | 6.62 |
| 13-Jun | HAFF12 | Female | 57.37 | 3.1861 | 0.1723 | 5.41 |
| 13-Jun | HAFF13 | Male | 71.25 | 3.7971 | 0.0803 | 2.11 |
| 13-Jun | HAFF14 | Male | 63.24 | 2.6998 | 0.0281 | 1.04 |
| 13-Jun | HAFF15 | Male | 60.64 | 2.405 | 0.0236 | 0.98 |
| 13-Jun | HAFF16 | Male | 63.66 | 2.8444 | 0.0219 | 0.77 |
| 13-Jun | HAFF17 | Female | 56.53 | 2.4073 | 0.0921 | 3.83 |
| 13-Jun | HAFF18 | Female | 55.13 | 2.8328 | 0.0678 | 2.39 |
| 13-Jun | HAFF19 | Female | 52.85 | 2.5263 | 0.0163 | 0.65 |
| 13-Jun | HAFF20 | Male | 60.97 | 2.2442 | 0.0131 | 0.58 |
| 13-Jun | HAFF21 | Male | 66.24 | 2.9993 | 0.0353 | 1.18 |
| 13-Jun | HAFF22 | Male | 66.73 | 2.77 | 0.0209 | 0.75 |
| 13-Jun | HAFF23 | Female | 68.13 | 4.0918 | 0.2457 | 6 |
| 13-Jun | HAFF24 | Female | 59.91 | 2.17 | 0.0324 | 1.49 |
| 13-Jun | HAFF25 | Male | 60.62 | 2.0168 | 0.0133 | 0.66 |
| 13-Jun | HAFF26 | Male | 68.76 | 3.4005 | 0.019 | 0.56 |
| 13-Jun | HAFF27 | Male | 59.94 | 2.1676 | 0.0099 | 0.46 |
| 13-Jun | HAFF28 | Male | 62.92 | 2.4026 | 0.0122 | 0.51 |
| 13-Jun | HAFF29 | Male | 64.02 | 2.5756 | 0.0198 | 0.77 |

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| Yr/Month | Fish ID | Sex | SL (mm) | Body Mass (g) | Gonadal Mass (g) | GSI |
| 13-Jun | HAFF30 | Male | 63.88 | 2.9788 | 0.0212 | 0.71 |
| 13-Jun | HAFF31 | Male | 60.92 | 2.2561 | 0.0141 | 0.63 |
| 13-Jun | HAFF32 | Male | 59.66 | 2.2747 | 0.0167 | 0.73 |
| 13-Jun | HAFF33 | Male | 58.35 | 2.1702 | 0.0101 | 0.47 |
| 13-Jun | HAFF34 | Female | 55.51 | 1.5226 | 0.0225 | 1.48 |
| 13-Jun | HAFF35 | Female | 55.83 | 1.737 | 0.1631 | 9.39 |
| 13-Jul | HAGG01 | Male | 51.56 | 1.9798 | 0.016 | 0.81 |
| 13-Jul | HAGG02 | Female | 61.18 | 3.0009 | 0.0495 | 1.65 |
| 13-Aug | HAH01 | Female | 55.03 | 2.6984 | 0.0534 | 1.98 |
| 13-Aug | HAH02 | Male | 53.32 | 2.4545 | 0.0215 | 0.88 |
| 13-Aug | HAH03 | Male | 56.2 | 2.5661 | 0.0038 | 0.15 |
| 13-Aug | HAH04 | Male | 51.5 | 2.2673 | 0.0043 | 0.19 |
| 13-Aug | HAH05 | Male | 55.09 | 2.9754 | 0.011 | 0.37 |
| 13-Aug | HAH06 | Female | 57.82 | 3.1789 | 0.0579 | 1.82 |
| 13-Aug | HAH07 | Male | 53.25 | 2.3524 | 0.0187 | 0.79 |
| 13-Aug | HAH08 | Male | 53.69 | 2.4003 | 0.009 | 0.38 |
| 13-Aug | HAH09 | Juvenile | 53.51 | 2.5571 |  |  |
| 13-Aug | HAH10 | Juvenile | 54.65 | 2.7077 |  |  |
| 13-Aug | HAH11 | Male | 57.12 | 2.967 | 0.038 | 1.28 |
| 13-Aug | HAH12 | Male | 53.45 | 2.4416 | 0.0074 | 0.3 |
| 13-Aug | HAH13 | Juvenile | 53.73 | 2.5896 |  |  |
| 13-Aug | HAH14 | Juvenile | 54.6 | 2.4944 |  |  |
| 13-Aug | HAH15 | Male | 55.66 | 2.8321 | 0.0134 | 0.47 |
| 13-Aug | HAH16 | Female | 57.14 | 3.1113 | 0.057 | 1.83 |
| 13-Aug | HAH17 | Male | 52.72 | 2.51 | 0.0439 | 1.75 |
| 13-Aug | HAH18 | Female | 57.62 | 3.2788 | 0.0686 | 2.09 |
| 13-Aug | HAH19 | Female | 66.78 | 4.4453 | 0.1168 | 2.63 |
| 13-Aug | HAH20 | Male | 59.46 | 3.4309 | 0.0071 | 0.21 |
| 13-Aug | HAH21 | Male | 53.55 | 2.6542 | 0.0081 | 0.31 |
| 13-Aug | HAH22 | Male | 54.75 | 2.6183 | 0.0097 | 0.37 |
| 13-Aug | HAH23 | Female | 57.44 | 3.0866 | 0.0487 | 1.58 |
| 13-Aug | HAH24 | Male | 54.17 | 2.5218 | 0.0094 | 0.37 |
| 13-Aug | HAH25 | Female | 58.33 | 3.2416 | 0.0651 | 2.01 |
| 13-Aug | HAH26 | Male | 55.31 | 2.7739 | 0.0215 | 0.78 |
| 13-Aug | HAH27 | Male | 54.77 | 2.5767 | 0.0127 | 0.49 |
| 13-Aug | HAH28 | Male | 54.61 | 2.6483 | 0.0012 | 0.05 |
| 13-Aug | HAH29 | Juvenile | 39.08 | 0.7732 |  |  |
| 13-Aug | HAH30 | Juvenile | 36.47 | 0.5893 |  |  |
| 13-Aug | HAH31 | Juvenile | 38.96 | 0.7025 |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| Yr/Month | Fish ID | Sex | SL (mm) | Body Mass (g) | Gonadal Mass (g) | GSI |
| 13-Aug | HAH32 | Juvenile | 38.73 | 0.627 |  |  |
| 13-Aug | HAH33 | Juvenile | 35.62 | 0.5829 |  |  |
| 13-Aug | HAH34 | Juvenile | 38.36 | 0.7168 |  |  |
| 13-Aug | HAH35 | Juvenile | 32.03 | 0.3048 |  |  |
| 13-Aug | HAH36 | Juvenile | 36.08 | 0.5592 |  |  |
| 13-Aug | HAH37 | Juvenile | 37.52 | 0.6825 |  |  |
| 13-Aug | HAH38 | Juvenile | 36.89 | 0.5628 |  |  |
| 13-Aug | HAH39 | Juvenile | 37.29 | 0.6453 |  |  |
| 13-Aug | HAH40 | Juvenile | 33.89 | 0.4789 |  |  |
| 13-Aug | HAH41 | Juvenile | 35.26 | 0.4905 |  |  |
| 13-Aug | HAH42 | Juvenile | 32.81 | 0.3507 |  |  |
| 13-Aug | HAH43 | Juvenile | 31.89 | 0.3355 |  |  |
| 13-Aug | HAH44 | Juvenile | 30.52 | 0.2941 |  |  |
| 13-Aug | HAH45 | Juvenile | 31.78 | 0.2658 |  |  |
| 13-Aug | HAH46 | Juvenile | 34.48 | 0.5191 |  |  |
| 13-Aug | HAH47 | Juvenile | 38.79 | 0.7013 |  |  |
| 13-Aug | HAH48 | Juvenile | 37.13 | 0.6174 |  |  |
| 13-Aug | HAH49 | Juvenile | 37.21 | 0.626 |  |  |
| 13-Aug | HAH50 | Juvenile | 36.97 | 0.4998 |  |  |
| 13-Sep | HAI01 | Male | 61.16 | 3.9626 | 0.0174 | 0.44 |
| 13-Sep | HAI02 | Female | 64.38 | 4.1753 | 0.068 | 1.63 |
| 13-Sep | HAI03 | Female | 56.61 | 2.92 | 0.0555 | 1.9 |
| 13-Sep | HAI04 | Male | 60.23 | 3.5819 | 0.0068 | 0.19 |
| 13-Sep | HAI05 | Male | 55.26 | 2.5289 | 0.0071 | 0.28 |
| 13-Sep | HAI06 | Female | 55.71 | 2.3227 | 0.0101 | 0.43 |
| 13-Sep | HAI07 | Male | 56.63 | 3.0544 | 0.0176 | 0.58 |
| 13-Sep | HAI08 | Female | 53.94 | 2.2443 | 0.0377 | 1.68 |
| 13-Sep | HAI09 | Male | 55.1 | 2.6195 | 0.0066 | 0.25 |
| 13-Sep | HAI10 | Male | 58.76 | 3.3396 | 0.0064 | 0.19 |
| 13-Sep | HAI11 | Female | 56.64 | 2.9072 | 0.035 | 1.2 |
| 13-Sep | HAI12 | Male | 57.18 | 3.0103 | 0.0047 | 0.16 |
| 13-Sep | HAI13 | Male | 51.72 | 2.1284 | 0.0209 | 0.98 |
| 13-Sep | HAI14 | Male | 59.78 | 3.132 | 0.0098 | 0.31 |
| 13-Sep | HAI15 | Male | 61.19 | 3.7279 | 0.0111 | 0.3 |
| 13-Sep | HAI16 | Juvenile | 43.15 | 0.8489 |  |  |
| 13-Oct | HAJ01 | Male | 67.75 | 3.2623 | 0.0165 | 0.51 |
| 13-Oct | HAJ02 | Male | 59.09 | 1.94 | 0.0101 | 0.52 |
| 13-Oct | HAJ03 | Juvenile | 49.39 | 1.1103 |  |  |
| 13-Oct | HAJ05 | Female | 64.37 | 3.1771 | 0.0304 | 0.96 |

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| --- | --- | --- | --- | --- | --- | --- |
| Yr/Month | Fish ID | Sex | SL (mm) | Body Mass (g) | Gonadal Mass (g) | GSI |
| 13-Oct | HAJ04 | Male | 64.86 | 3.4502 | 0.0168 | 0.49 |
| 13-Oct | HAJ06 | Female | 64.05 | 2.5223 | 0.0164 | 0.65 |
| 13-Oct | HAJ07 | Juvenile | 54.25 | 1.631 |  |  |
| 13-Oct | HAJ08 | Male | 71.31 | 4.084 | 0.0155 | 0.38 |
| 13-Oct | HAJ09 | Male | 67.63 | 3.2852 | 0.0043 | 0.13 |
| 13-Oct | HAJ10 | Female | 62.18 | 3.0013 | 0.0384 | 1.28 |
| 13-Oct | HAJ11 | Female | 64.48 | 3.5941 | 0.0732 | 2.04 |
| 13-Nov | HAK01 | Male | 64.5 | 2.8608 | 0.0303 | 1.06 |
| 13-Nov | HAK02 | Male | 72.33 | 4.3251 | 0.0298 | 0.69 |
| 13-Nov | HAK03 | Female | 66.24 | 3.3682 | 0.0833 | 2.47 |
| 13-Nov | HAK04 | Female | 68.98 | 3.6063 | 0.0521 | 1.44 |
| 13-Nov | HAK05 | Male | 66.45 | 3.384 | 0.0187 | 0.55 |
| 13-Nov | HAK06 | Male | 64.9 | 2.9321 | 0.0137 | 0.47 |
| 13-Nov | HAK07 | Male | 65.75 | 2.8697 | 0.0216 | 0.75 |
| 13-Nov | HAK08 | Female | 63.54 | 2.6055 | 0.0413 | 1.59 |
| 13-Nov | HAK09 | Male | 65.12 | 2.9353 | 0.0263 | 0.9 |
| 13-Nov | HAK10 | Male | 64.52 | 2.5409 | 0.0113 | 0.44 |
| 13-Nov | HAK11 | Male | 63.19 | 2.4687 | 0.0115 | 0.47 |
| 13-Nov | HAK12 | Male | 71.29 | 4.5033 | 0.0156 | 0.35 |
| 13-Nov | HAK13 | Female | 66.07 | 3.1248 | 0.0967 | 3.09 |
| 13-Nov | HAK14 | Female | 65.66 | 3.1414 | 0.1114 | 3.55 |
| 13-Nov | HAK15 | Male | 65.53 | 2.7815 | 0.013 | 0.47 |
| 13-Nov | HAK16 | Male | 65.48 | 3.0969 | 0.0123 | 0.4 |
| 13-Nov | HAK17 | Male | 63.51 | 2.7232 | 0.0104 | 0.38 |
| 13-Nov | HAK18 | Male | 65.45 | 3.0241 | 0.0139 | 0.46 |
| 13-Nov | HAK19 | Female | 66.8 | 3.122 | 0.0603 | 1.93 |
| 13-Nov | HAK20 | Male | 63.07 | 2.6377 | 0.0109 | 0.41 |
| 13-Nov | HAK21 | Male | 63.11 | 2.7173 | 0.0176 | 0.65 |
| 13-Nov | HAK22 | Juvenile | 57.05 | 2.61 |  |  |
| 13-Nov | HAK23 | Juvenile | 56.21 | 2.1409 |  |  |
| 13-Nov | HAK24 | Juvenile | 57.94 | 2.0494 |  |  |
| 13-Nov | HAK25 | Juvenile | 55.97 | 1.8261 |  |  |
| 13-Nov | HAK26 | Juvenile | 51.56 | 1.3199 |  |  |
| 13-Nov | HAK27 | Juvenile | 48.92 | 1.0803 |  |  |
| 13-Dec | HAL01 | Female | 61.89 | 2.2703 | 0.0873 | 3.85 |
| 13-Dec | HAL02 | Juvenile | 56.93 | 1.5801 |  |  |
| 13-Dec | HAL03 | Juvenile | 50.94 | 1.1603 |  |  |
| 13-Dec | HAL04 | Juvenile | 50.95 | 1.0612 |  |  |
| 13-Dec | HAL05 | Juvenile | 51.12 | 1.1505 |  |  |

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| Yr/Month | Fish ID | Sex | SL (mm) | Body Mass (g) | Gonadal Mass (g) | GSI |
| 13-Dec | HAL06 | Juvenile | 48.04 | 0.941 |  |  |
| 13-Dec | HAL07 | Male | 74.35 | 5.0542 | 0.0314 | 0.62 |
| 13-Dec | HAL08 | Female | 73.49 | 4.1091 | 0.1275 | 3.1 |
| 13-Dec | HAL09 | Female | 68.93 | 3.5421 | 0.1033 | 2.92 |
| 13-Dec | HAL10 | Female | 67.03 | 3.0778 | 0.1151 | 3.74 |
| 13-Dec | HAL11 | Female | 65.42 | 2.9976 | 0.0756 | 2.52 |
| 13-Dec | HAL12 | Female | 64.07 | 2.5472 | 0.067 | 2.63 |
| 13-Dec | HAL13 | Male | 64.2 | 2.7837 | 0.028 | 1.01 |
| 13-Dec | HAL14 | Female | 63.95 | 2.6644 | 0.0781 | 2.93 |
| 13-Dec | HAL15 | Female | 68.59 | 3.4504 | 0.0873 | 2.53 |
| 13-Dec | HAL16 | Female | 67.46 | 2.9524 | 0.073 | 2.47 |
| 13-Dec | HAL17 | Male | 67.18 | 3.2422 | 0.024 | 0.74 |
| 13-Dec | HAL18 | Female | 66.89 | 2.9921 | 0.0904 | 3.02 |
| 13-Dec | HAL19 | Female | 68.2 | 3.3987 | 0.0205 | 0.6 |
| 13-Dec | HAL20 | Male | 66.95 | 2.7866 | 0.0109 | 0.39 |
| 13-Dec | HAL21 | Male | 67.04 | 3.1458 | 0.0114 | 0.36 |
| 13-Dec | HAL22 | Juvenile | 57.03 | 1.985 |  |  |
| 13-Dec | HAL23 | Juvenile | 57.04 | 1.866 |  |  |
| 13-Dec | HAL24 | Juvenile | 56.57 | 1.6415 |  |  |
| 13-Dec | HAL25 | Juvenile | 53.12 | 1.6497 |  |  |
| 13-Dec | HAL26 | Juvenile | 54.81 | 1.4966 |  |  |
| 14-Jan | HAA01 | Male | 71.46 | 4.1356 | 0.0242 | 0.59 |
| 14-Jan | HAA02 | Male | 63.05 | 2.2089 | 0.0201 | 0.91 |
| 14-Feb | HAB01 | Male | 54.86 | 1.8121 | 0.0211 | 1.16 |
| 14-Feb | HAB02 | Male | 54.41 | 1.6733 | 0.0201 | 1.2 |
| 14-Feb | HAB03 | Juvenile | 51.55 | 1.1303 |  |  |
| 14-Feb | HAB04 | Juvenile | 42.21 | 0.6899 |  |  |
| 14-Feb | HAB05 | Female | 63.44 | 2.6451 | 0.1879 | 7.1 |
| 14-Feb | HAB06 | Juvenile | 53.18 | 1.333 |  |  |
| 14-Feb | HAB07 | Juvenile | 53.14 | 1.5312 |  |  |
| 14-Feb | HAB08 | Juvenile | 53.75 | 1.4112 |  |  |
| 14-Feb | HAB09 | Juvenile | 53.08 | 1.4223 |  |  |
| 14-Feb | HAB10 | Juvenile | 52.07 | 1.2642 |  |  |
| 14-Feb | HAB11 | Juvenile | 51.5 | 1.1799 |  |  |
| 14-Feb | HAB12 | Juvenile | 51.76 | 1.1388 |  |  |
| 14-Feb | HAB13 | Juvenile | 49.46 | 0.9818 |  |  |
| 14-Feb | HAB14 | Juvenile | 51.37 | 1.239 |  |  |
| 14-Feb | HAB15 | Juvenile | 50.16 | 0.9337 |  |  |
| 14-Feb | HAB16 | Juvenile | 49.73 | 0.9753 |  |  |

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| Yr/Month | Fish ID | Sex | SL (mm) | Body Mass (g) | Gonadal Mass (g) | GSI |
| 14-Mar | HAC01 | Female | 58.68 | 2.1011 | 0.0813 | 3.87 |
| 14-Mar | HAC02 | Female | 59.31 | 2.273 | 0.0927 | 4.08 |
| 14-Mar | HAC03 | Male | 55.08 | 1.6444 | 0.0206 | 1.25 |
| 14-Mar | HAC04 | Juvenile | 52.01 | 1.2435 |  |  |
| 14-Mar | HAC05 | Juvenile | 50.9 | 1.2474 |  |  |
| 14-Mar | HAC06 | Juvenile | 52.68 | 1.2333 |  |  |
| 14-Mar | HAC07 | Juvenile | 49.54 | 1.0875 |  |  |
| 14-Mar | HAC08 | Juvenile | 52.7 | 1.2859 |  |  |
| 14-Mar | HAC09 | Female | 66.56 | 3.9437 | 0.5101 | 12.93 |
| 14-Mar | HAC10 | Female | 77.16 | 5.8041 | 0.3201 | 5.52 |
| 14-Mar | HAC11 | Female | 77.02 | 5.6389 | 0.6766 | 12 |
| 14-Mar | HAC12 | Female | 68.42 | 4.2303 | 0.4322 | 10.22 |
| 14-Mar | HAC13 | Male | 61.61 | 2.7652 | 0.0373 | 1.35 |
| 14-Mar | HAC14 | Female | 61.77 | 2.7679 | 0.1377 | 4.97 |
| 14-Apr | HAD01 | Juvenile | 54.82 | 2.3006 |  |  |
| 14-Apr | HAD02 | Juvenile | 48.92 | 1.089 |  |  |
| 14-Apr | HAD03 | Female | 69.32 | 3.7802 | 0.4891 | 12.94 |
| 14-Apr | HAD04 | Male | 65.04 | 3.0903 | 0.0665 | 2.15 |
| 14-Apr | HAD05 | Female | 62.08 | 2.6306 | 0.3621 | 13.76 |
| 14-Apr | HAD06 | Juvenile | 56.73 | 1.9401 |  |  |
| 14-Apr | HAD07 | Juvenile | 56.79 | 2.0165 |  |  |
| 14-Apr | HAD08 | Juvenile | 56.05 | 1.9901 |  |  |
| 14-Apr | HAD09 | Juvenile | 52.32 | 1.4782 |  |  |
| 14-Apr | HAD10 | Female | 70.82 | 4.4021 | 0.5677 | 12.9 |
| 14-Apr | HAD11 | Male | 65.43 | 3.3812 | 0.0582 | 1.72 |
| 14-Apr | HAD12 | Male | 64.7 | 2.843 | 0.0454 | 1.6 |
| 14-Apr | HAD13 | Male | 59.87 | 2.2079 | 0.0341 | 1.54 |
| 14-Apr | HAD14 | Male | 58.63 | 1.9728 | 0.0232 | 1.18 |
| 14-Apr | HAD15 | Female | 61.89 | 2.0823 | 0.2763 | 13.27 |
| 14-Apr | HAD16 | Male | 62.51 | 2.6212 | 0.0567 | 2.16 |
| 14-Apr | HAD17 | Juvenile | 52.94 | 1.6685 |  |  |
| 14-Apr | HAD18 | Female | 60.08 | 2.1003 | 0.1802 | 8.58 |
| 14-Apr | HAD19 | Juvenile | 54.63 | 1.7165 |  |  |
| 14-Apr | HAD20 | Juvenile | 52.75 | 1.5351 |  |  |
| 14-May | HAE01 | Female | 76.17 | 5.877 | 0.7816 | 13.3 |
| 14-May | HAE02 | Female | 71.5 | 4.2964 | 0.4553 | 10.6 |
| 14-May | HAE03 | Male | 70.91 | 4.1501 | 0.0762 | 1.84 |
| 14-May | HAE04 | Male | 68.86 | 3.5622 | 0.0588 | 1.65 |

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| Yr/Month | Fish ID | Sex | SL (mm) | Body Mass (g) | Gonadal Mass (g) | GSI |
| 14-May | HAE05 | Female | 70.83 | 4.1796 | 0.4372 | 10.46 |
| 14-May | HAE06 | Female | 71.24 | 3.7314 | 0.446 | 11.95 |
| 14-May | HAE07 | Female | 68.56 | 3.7022 | 0.4259 | 11.5 |
| 14-May | HAE08 | Male | 65.69 | 3.0781 | 0.0398 | 1.29 |
| 14-May | HAE09 | Male | 60.85 | 2.3282 | 0.0427 | 1.83 |
| 14-May | HAE10 | Male | 66.68 | 3.378 | 0.0575 | 1.7 |
| 14-May | HAE11 | Male | 71.35 | 3.8364 | 0.0598 | 1.56 |
| 14-May | HAE12 | Male | 60.34 | 2.317 | 0.0449 | 1.94 |
| 14-May | HAE13 | Female | 62.01 | 2.4351 | 0.4204 | 17.26 |
| 14-May | HAE14 | Male | 58.56 | 1.9001 | 0.0285 | 1.5 |
| 14-May | HAE15 | Male | 59.77 | 2.146 | 0.0311 | 1.45 |
| 14-May | HAE16 | Male | 60.27 | 2.2682 | 0.0305 | 1.34 |
| 14-May | HAE17 | Female | 58.01 | 2.2115 | 0.4631 | 20.94 |
| 14-May | HAE18 | Male | 56.09 | 1.9073 | 0.0347 | 1.82 |
| 14-May | HAE19 | Female | 57.51 | 2.1457 | 0.302 | 14.07 |
| 14-May | HAE20 | Female | 57.76 | 1.9951 | 0.1671 | 8.38 |
| 14-May | HAE21 | Male | 56.37 | 1.7702 | 0.0276 | 1.56 |
| 14-May | HAE22 | Juvenile | 53.77 | 1.5803 |  |  |
| 14-May | HAE23 | Male | 57.4 | 1.8441 | 0.0359 | 1.95 |
| 14-May | HAE24 | Male | 54.56 | 1.4867 | 0.0304 | 2.04 |
| 14-May | HAE25 | Male | 55.53 | 1.7093 | 0.0323 | 1.89 |
| 14-May | HAE26 | Male | 55.46 | 1.5036 | 0.0288 | 1.92 |
| 14-May | HAE27 | Male | 56.55 | 1.5302 | 0.0215 | 1.41 |
| 14-May | HAE28 | Female | 58.04 | 1.7048 | 0.2704 | 15.86 |
| 14-May | HAE29 | Female | 57.76 | 1.8002 | 0.1782 | 9.9 |
| 14-May | HAE30 | Juvenile | 51.51 | 1.6114 |  |  |
| 14-May | HAE31 | Female | 56.83 | 1.546 | 0.2169 | 14.03 |
| 14-May | HAE32 | Female | 69.21 | 4.086 | 0.5647 | 13.82 |
| 14-May | HAE33 | Male | 69.98 | 3.9882 | 0.0599 | 1.5 |
| 14-May | HAE34 | Male | 65.5 | 3.597 | 0.0273 | 0.76 |
| 14-May | HAE35 | Male | 69.07 | 3.685 | 0.0581 | 1.58 |
| 14-May | HAE36 | Male | 65.65 | 3.2851 | 0.0473 | 1.44 |
| 14-May | HAE37 | Male | 60.98 | 2.4266 | 0.0321 | 1.32 |
| 14-May | HAE38 | Female | 60.15 | 2.101 | 0.2011 | 9.57 |
| 14-May | HAE39 | Female | 57.39 | 2.1338 | 0.1893 | 8.87 |
| 14-May | HAE40 | Male | 57.6 | 2.085 | 0.0344 | 1.65 |
| 14-May | HAE41 | Male | 55.71 | 1.8049 | 0.0169 | 0.94 |
| 14-May | HAE42 | Female | 55.74 | 1.6825 | 0.2193 | 13.03 |
| 14-May | HAE43 | Juvenile | 52.09 | 1.3419 |  |  |

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| Yr/Month | Fish ID | Sex | SL (mm) | Body Mass (g) | Gonadal Mass (g) | GSI |
| 14-Jun | HAF01 | Female | 72.86 | 4.3179 | 0.2002 | 4.64 |
| 14-Jun | HAF02 | Male | 67.51 | 3.659 | 0.028 | 0.77 |
| 14-Jun | HAF03 | Female | 76.91 | 4.9836 | 0.2045 | 4.1 |
| 14-Jun | HAF04 | Male | 72.15 | 4.482 | 0.0592 | 1.32 |
| 14-Jun | HAF05 | Male | 69.6 | 3.8787 | 0.0452 | 1.17 |
| 14-Jun | HAF06 | Male | 69.78 | 4.0669 | 0.0289 | 0.71 |
| 14-Jun | HAF07 | Male | 67.68 | 3.5419 | 0.0286 | 0.81 |
| 14-Jun | HAF08 | Male | 70.3 | 4.0379 | 0.0359 | 0.89 |
| 14-Jun | HAF09 | Female | 65.58 | 2.9663 | 0.1025 | 3.46 |
| 14-Jun | HAF10 | Male | 72.62 | 4.3213 | 0.0417 | 0.97 |
| 14-Jun | HAF11 | Female | 68.5 | 3.5939 | 0.1498 | 4.17 |
| 14-Jun | HAF12 | Male | 68.66 | 3.4044 | 0.0433 | 1.27 |
| 14-Jun | HAF13 | Female | 66.05 | 2.9008 | 0.1239 | 4.27 |
| 14-Jun | HAF14 | Male | 66.67 | 3.0561 | 0.0241 | 0.79 |
| 14-Jun | HAF15 | Male | 61.54 | 2.5039 | 0.026 | 1.04 |
| 14-Jun | HAF16 | Female | 58.59 | 2.1331 | 0.2006 | 9.4 |
| 14-Jun | HAF17 | Male | 62.61 | 2.2777 | 0.0291 | 1.28 |
| 14-Jun | HAF18 | Male | 59.32 | 1.9393 | 0.0225 | 1.16 |
| 14-Jun | HAF19 | Female | 47.74 | 1.0471 | 0.1671 | 15.96 |
| 14-Jun | HAF20 | Male | 58.16 | 2.0298 | 0.0283 | 1.39 |
| 14-Jun | HAF21 | Male | 60.39 | 2.0978 | 0.0109 | 0.52 |
| 14-Jun | HAF22 | Female | 64.37 | 2.1863 | 0.0773 | 3.54 |
| 14-Jun | HAF23 | Male | 71.47 | 3.5236 | 0.0275 | 0.78 |
| 14-Jun | HAF24 | Female | 62.74 | 2.1034 | 0.0314 | 1.49 |
| 14-Jul | HAG01 | Female | 72.37 | 4.2534 | 0.1835 | 4.31 |
| 14-Jul | HAG02 | Female | 73.45 | 3.9429 | 0.1713 | 4.34 |
| 14-Jul | HAG03 | Female | 72.07 | 4.216 | 0.1029 | 2.44 |
| 14-Jul | HAG04 | Male | 68.46 | 3.4728 | 0.0213 | 0.61 |
| 14-Jul | HAG05 | Male | 67.07 | 3.1777 | 0.0188 | 0.59 |
| 14-Jul | HAG06 | Female | 71.32 | 3.8351 | 0.0379 | 0.99 |
| 14-Jul | HAG07 | Male | 68.27 | 3.166 | 0.0164 | 0.52 |
| 14-Jul | HAG08 | Female | 66.12 | 3.0456 | 0.1567 | 5.15 |
| 14-Jul | HAG09 | Male | 61.01 | 2.0906 | 0.0103 | 0.49 |
| 14-Jul | HAG10 | Male | 61.26 | 2.2518 | 0.027 | 1.2 |
| 14-Jul | HAG11 | Female | 61.52 | 2.1245 | 0.0224 | 1.05 |
| 14-Jul | HAG12 | Female | 58.76 | 2.0203 | 0.0223 | 1.1 |
| 14-Jul | HAG13 | Female | 59.2 | 1.9581 | 0.0259 | 1.32 |
| 14-Jul | HAG14 | Male | 60.1 | 2.0586 | 0.0032 | 0.16 |
| 14-Jul | HAG15 | Male | 58.11 | 1.8533 | 0.0055 | 0.3 |

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| Yr/Month | Fish ID | Sex | SL (mm) | Body Mass (g) | Gonadal Mass (g) | GSI |
| 14-Jul | HAG16 | Female | 59.87 | 1.8628 | 0.0129 | 0.69 |
| 14-Jul | HAG17 | Female | 58.07 | 1.8311 | 0.0231 | 1.26 |
| 14-Jul | HAG18 | Juvenile | 56.51 | 1.6017 |  |  |
| 14-Jul | HAG19 | Juvenile | 56.26 | 1.6674 |  |  |
| 14-Jul | HAG20 | Juvenile | 54.66 | 1.4308 |  |  |