Table A1. Detection probabilities for 26 fish taxa at 13 sites in the Conasauga River mainstem sampled multiple years, 1995-2014, and for 28 fish taxa at 10 sites in the Etowah River mainstem sampled multiple years, 2001-2014. Values are posterior means (and 95% credible intervals) estimated using a multi-taxa, dynamic occupancy model applied to detection data for each river.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Taxon |  |  | Conasauga | Etowah |
| *Campostoma oligolepis* | | | 0.93 (0.89, 0.96) | 0.88 (0.77, 0.96) |
| *Cottus carolinae* | |  | 0.96 (0.93, 0.98) | 0.99 (0.96, 1.00) |
| *Cyprinella caerulea* | |  | 0.96 (0.93, 0.98) | \_ |
| *Cyprinella callistia* | |  | 0.99 (0.98, 1.00) | 0.98 (0.95, 1.00) |
| *Cyprinella trichroistia* | |  | 0.77 (0.65, 0.87) | 0.85 (0.75, 0.93) |
| *Cyprinella venusta* | |  | 0.98 (0.96, 0.99) | 0.75 (0.55, 0.91) |
| *Etheostoma coosae* | |  | 0.80 (0.73, 0.86) | \_ |
| *Etheostoma etowahae* | | | \_ | 0.57 (0.43, 0.76) |
| *Etheostoma jordani* | |  | 0.93 (0.88, 0.96) | \_ |
| *Etheostoma rupestre* | |  | 0.94 (0.90, 0.97) | 0.99 (0.96, 1.00) |
| *Etheostoma scotti* | |  | \_ | 0.31(0.09, 0.59) |
| *Etheostoma stigmaeum* | | | 0.98 (0.96, 0.99) | 0.97 (0.93, 0.99) |
| *Etheostoma trisella* | |  | 0.51 (0.43, 0.59) | \_ |
| *Fundulus stellifer* | |  | 0.47 (0.38, 0.57) | 0.78 (0.46, 0.97) |
| *Hypentelium etowanum* | | | 0.99 ( 0.97, 1.00) | 0.97 (0.94, 0.99) |
| *Luxilus chrysocephalus* | | | 0.78 (0.71, 0.85) | \_ |
| *Luxilus zonistius* | |  | \_ | 0.26 (0.17, 0.36) |
| *Macrhybopsis sp. cf. M. aestivalis* | | | 0.74 (0.63, 0.84) | 0.97 (0.93, 0.99) |
| *Micropterus coosae* | |  | 0.12 (0.05, 0.29) | 0.32 (0.18, 0.53) |
| *Nocomis leptocephalus* | | | \_ | 0.74 (0.62, 0.86) |
| *Notropis longirostris* | |  | \_ | 0.31 (0.16, 0.51) |
| *Notropis lutipinnis* | |  | \_ | 0.84 (0.77, 0.91) |
| *Notropis stilbius* | |  | 0.96 (0.93, 0.98) | 0.85 (0.74, 0.94) |
| *Notropis xaenocephalus* | | | 0.18 (0.05, 0.44) | 0.15 (0.07, 0.32) |
| *Noturus leptacanthus* | |  | 0.25 (0.19, 0.33) | 0.88 (0.76, 0.96) |
| *Noturus sp. cf. N. munitus* | | | 0.32 (0.11, 0.56) | 0.91 (0.84, 0.95) |
| *Percina antesella* | |  | 0.79 (0.70, 0.87) | 0.83 (0.75,0.90) |
| *Percina jenkinsi* | |  | 0.18 (0.10, 0.29) | \_ |
| *Percina kathae* | |  | 0.35 (0.25, 0.50) | 0.64 (0.54, 0.76) |
| *Percina lenticula* | |  | \_ | 0.30 (0.18, 0.44) |
| *Percina nigrofasciata* | |  | 0.97 (0.95, 0.99) | 0.98 (0.95, 1.00) |
| *Percina palmaris* | |  | 0.14 (0.08, 0.27) | 0.97 (0.94, 0.99) |
| *Phenacobius catostomus* | | | 0.92 (0.88, 0.96) | 0.93 (0.87, 0.97) |
| *Semotilus atromaculatus* | | | \_ | 0.21 (0.06, 0.87) |