|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 2.** Diet proportion inputs used for bioenergetics modeling in projected climate scenarios. Numerical values below prey categories are energy density (J/g) estimates from literature sources. | | | | | | | | |
|  |  |  | Fish eggs | Immature aquatic Invert | Terrestrial invert | Adult aquatic Invert | Salmon eggs |
|  |  | *5235 J/g,* (Beauchamp and Stewart 1989) | | 3365 J/g, *McCarthy et al. (2009)* | *5250 J/g, McCarthy et al. (2009)* | *4225 J/g, McCarthy et al. (2009)* | *9000 J/g,*  (Armstrong 2010) |
| **Drainage** | **Spp** | **Age** |  |  |  |  |  |
| Lowland (Beaver Creek) | Chnk | 0 | 0.00 | 0.46 | 0.02 | 0.52 | 0.00 |
| Coho | 0 | 0.00 | 0.53 | 0.03 | 0.44 | 0.00 |
| Coho | 1 | 0.04 | 0.50 | 0.07 | 0.39 | 0.00 |
| Montane (Russian River) | Chnk | 0 | 0.00 | 0.35 | 0.02 | 0.18 | 0.45 |
| Coho | 0 | 0.01 | 0.46 | 0.04 | 0.38 | 0.12 |
| Coho | 1 | 0.00 | 0.47 | 0.05 | 0.43 | 0.04 |
| Glacial (Ptar-migan Creek) | Chnk | 0 | 0.00 | 0.73 | 0.09 | 0.17 | 0.00 |
| Coho | 0 | 0.00 | 0.13 | 0.03 | 0.10 | 0.74 |
| Coho | 1 | 0.05 | 0.59 | 0.14 | 0.16 | 0.06 |
| Main Stem (Kenai River | Chnk | 0 | 0.00 | 0.68 | 0.04 | 0.27 | 0.02 |
| Coho | 0 | 0.00 | 0.10 | 0.27 | 0.10 | 0.53 |
| Coho | 1 | 0.00 | 0.82 | 0.00 | 0.07 | 0.12 |
| ”Chnk” = Chinook Salmon | | | | | | | | |