

**Table III: Tomki Creek Shade effects on Stream Temperature**

**Modeling Results  
Total Stream Miles at various stream temperatures**

| Temperature Evaluation    | Topo Shading Only | 18 Inch dbh | 24 Inch dbh | Baseline Current | Natural 48 dbh conifer + riparian |
|---------------------------|-------------------|-------------|-------------|------------------|-----------------------------------|
| Good (< 15° C)            | 0.0               | 0.0         | 0.0         | 0.0              | 0.0                               |
| Good (15.1° -17° C)       | 0.3               | 0.6         | 0.9         | 0.9              | 0.9                               |
| Adequate (17.1°-19° C)    | 1.6               | 3.1         | 3.1         | 3.7              | 3.7                               |
| Marginal (19.1°- 20° C)   | 2.5               | 3.1         | 2.8         | 2.8              | 2.8                               |
| Stressful (20.1°- 21° C)  | 0.6               | 2.2         | 2.5         | 2.8              | 3.1                               |
| Stressful (21.1°- 22° C)  | 1.6               | 2.5         | 2.5         | 2.5              | 2.8                               |
| Stressful (22.1°- 23° C)  | 2.5               | 3.4         | 3.1         | 2.2              | 1.9                               |
| Stressful (23.1°- 24° C)  | 0.9               | 3.1         | 3.1         | 4.0              | 5.0                               |
| Lethal (max7daat > 24° C) | 39.5              | 31.4        | 31.4        | 30.4             | 29.2                              |
| TOTAL                     | 49.5              | 49.4        | 49.4        | 49.3             | 49.4                              |
|                           |                   |             |             |                  |                                   |

**Table IV: Tomki Creek Shade Modeling Results**

**Temperature changes  
Stream Miles cooler than various stream temperatures**

| Temperature Evaluation | Topo Shading Only | 18 Inch dbh | 24 Inch dbh | Baseline Current | Natural 48 dbh + riparian |
|------------------------|-------------------|-------------|-------------|------------------|---------------------------|
| Good <17° C            | 0.3               | 0.6         | 0.9         | 0.9              | 0.9                       |
| Adequate <19° C        | 1.9               | 3.7         | 4.0         | 4.6              | 4.6                       |
| Marginal < 20° C       | 4.4               | 6.8         | 6.8         | 7.4              | 7.4                       |
| Stressful <21° C       | 5.0               | 9.0         | 9.3         | 10.2             | 10.5                      |
| Stressful < 22° C      | 6.6               | 11.5        | 11.8        | 12.7             | 13.3                      |
| Stressful < 23° C      | 9.1               | 14.9        | 14.9        | 14.9             | 15.2                      |
| Stressful < 24° C      | 10.0              | 18.0        | 18.0        | 18.9             | 20.2                      |
| Lethal and < 24° C     | 49.5              | 49.4        | 49.4        | 49.3             | 49.4                      |

*Note: totals between categories may not be equal due to rounding*