

# REWOOD CREEK

**Date** 4/16/2002

**ID** RED2002

**Site Description** Brommell Court City of Napa

**Elevation (ft)** 80

**Reach Length (ft)** 170

## Chemical Characteristics

|                         |       |    |
|-------------------------|-------|----|
| Water Temp (C/F)        | 12.3  | 54 |
| Specific Conductivity   | 360   |    |
| pH                      | 6.5   |    |
| Dissolved Oxygen (mg/L) | 10.61 |    |

## Physical Characteristics

(Average values for 3 riffles)

|                          |      |
|--------------------------|------|
| Riffle Length (ft)       | 23.7 |
| Riffle Width (ft)        | 10.3 |
| Riffle Depth (ft)        | 0.4  |
| Riffle Velocity (ft/sec) | 1.7  |
| Gradient (%)             | 1.2  |
| Riffle Substrate (%)     |      |
| <i>Fines</i>             | 17   |
| <i>Gravel</i>            | 17   |
| <i>Cobble</i>            | 62   |
| <i>Boulder</i>           | 5    |
| <i>Bedrock</i>           | 0    |

Consolidation Medium

## Habitat Characteristics

|                       |    |            |
|-----------------------|----|------------|
| Canopy Cover (%)      | 72 |            |
| <u>Scale 0-20</u>     |    |            |
| Substrate             | 17 | Optimal    |
| Embeddedness          | 15 | Suboptimal |
| Substrate Complexity  | 17 | Optimal    |
| Velocity/Depth Regime | 18 | Optimal    |
| Sediment Deposition   | 8  | Marginal   |
| Water Flow            | 16 | Optimal    |
| Channel Alteration    | 15 | Suboptimal |
| Riffle Frequency      | 19 | Optimal    |

## Scale 0-10

|                        |   |            |
|------------------------|---|------------|
| Bank Stability (Left)  | 8 | Suboptimal |
| Bank Stability (Right) | 7 | Suboptimal |
| Vegetation (Right)     | 8 | Suboptimal |
| Riparian (Right)       | 5 | Marginal   |
| Vegetation (Left)      | 7 | Suboptimal |
| Riparian (Left)        | 5 | Marginal   |

**Total Habitat Score** 148 Suboptimal

0-50 = Poor

51-100 = Marginal

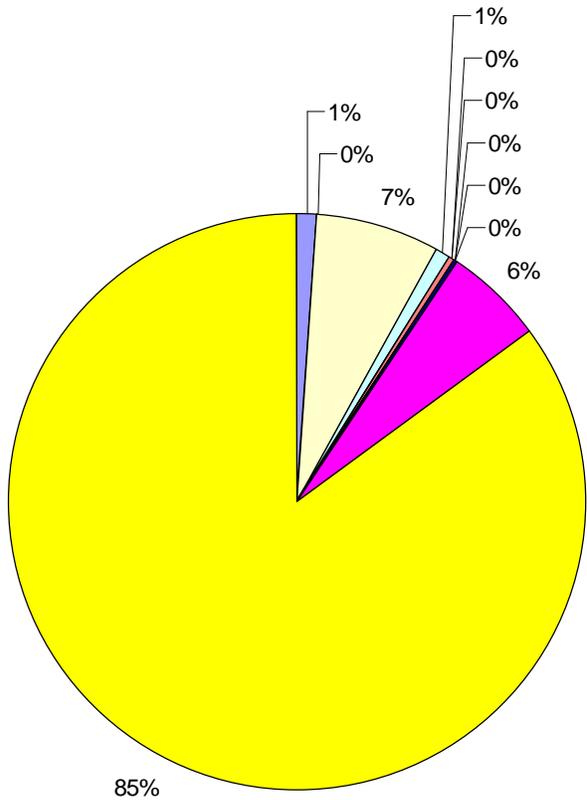
101-150 = Suboptimal

151-200 = Optimal

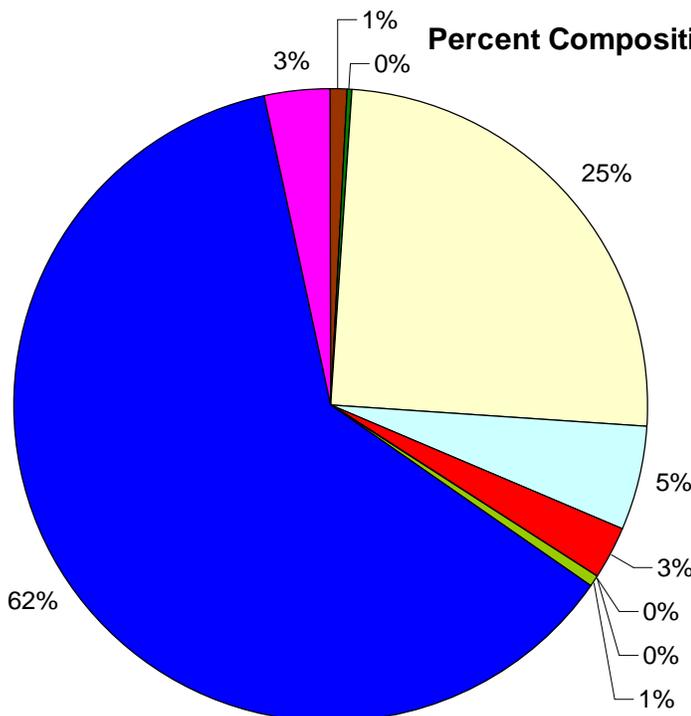
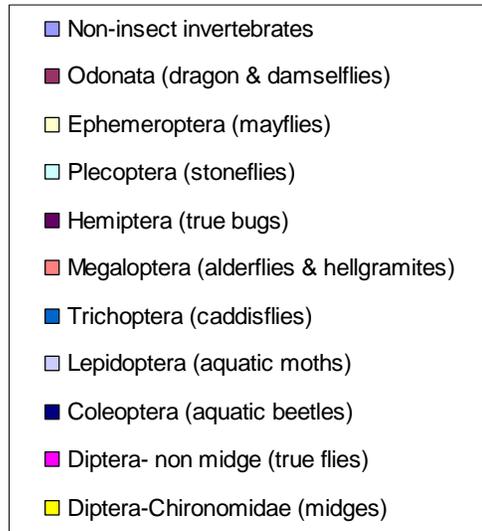
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## Benthic Macroinvertebrate Characteristics

|                     |       |                           |       |   |
|---------------------|-------|---------------------------|-------|---|
| Abundance           | 3,673 | Percent Dominant Taxa     | 59.36 | <b>Index of Biological Integrity (IBI)</b><br><b>7</b><br>5-11 = Poor<br>12-18 = Fair<br>19-25 = Good |
| Number of Taxa      | 33    | Number of Tolerant Taxa   | 1     |   |
| Number of Taxa (CA) | 33    | Percent Tolerant Taxa     | 2.62  |   |
| Number of EPT       | 12    | Number of Intolerant Taxa | 10    |   |
| Hilsenhoff          | 6     | Percent Intolerant Taxa   | 3.17  |   |



**Percent Composition by Taxa**



**Percent Composition by Functional Feeding Group**

