

| Lake | Area (Km ²) | pH |
|------------|-------------------------|-------|
| Ann | 0.3 | 7.860 |
| Canyon | 0.0 | 7.020 |
| Howe | 0.7 | 7.780 |
| Ives | 1.9 | 8.100 |
| Lily | 0.0 | 5.510 |
| Mountain | 3.4 | 8.310 |
| Pony | 0.0 | 5.390 |
| Rush | 1.3 | 8.140 |
| SecondPine | 0.7 | 8.090 |
| UpperPine | 0.2 | 7.790 |

| Lake | DOC | | TP | | TN | |
|------------|-------------------------|-------|-------------------------|-------|-------------------------|------|
| | (mg C L ⁻¹) | | (μg P L ⁻¹) | | (mg N L ⁻¹) | |
| | 2011 | 2012 | 2011 | 2012 | 2011 | 2012 |
| Ann | 6.15 | 5.97 | 3.98 | 7.27 | 0.42 | 0.43 |
| Canyon | 7.62 | 7.23 | 2.45 | 2.64 | 0.44 | 0.38 |
| Howe | 6.88 | 7.04 | 1.86 | 5.21 | 0.56 | 0.57 |
| Ives | 9.54 | 6.91 | 1.35 | 9.15 | 0.42 | 0.38 |
| Lily | 13.36 | 14.35 | 4.74 | 11.55 | 0.82 | 0.93 |
| Mountain | 5.41 | 5.27 | 2.11 | 4.87 | 0.34 | 0.34 |
| Pony | 30.46 | 28.99 | 13.09 | 17.04 | 1.56 | 1.86 |
| Rush | 4.44 | 4.22 | 1.52 | 3.84 | 0.30 | 0.41 |
| SecondPine | 7.20 | 6.26 | 3.55 | 12.92 | 0.43 | 0.44 |
| UpperPine | 7.99 | 7.84 | 2.96 | 11.21 | 0.59 | 0.57 |

| Lake | Total | | | | Active | | | |
|------------|-------------------|------|------------------|------|-------------------|------|------------------|------|
| | S_{spec} | | S_{phy} | | S_{spec} | | S_{phy} | |
| | 2011 | 2012 | 2011 | 2012 | 2011 | 2012 | 2011 | 2012 |
| Ann | 765 | 678 | 203 | 184 | 860 | 705 | 165 | 153 |
| Canyon | 709 | 727 | 186 | 195 | 907 | 801 | 179 | 161 |
| Howe | 736 | 627 | 196 | 163 | 720 | 649 | 115 | 127 |
| Ives | 544 | 521 | 144 | 134 | 562 | 589 | 107 | 127 |
| Lily | 777 | 1076 | 227 | 284 | 703 | 1254 | 135 | 266 |
| Mountain | 707 | 690 | 185 | 179 | 757 | 653 | 163 | 139 |
| Pony | 1337 | 1956 | 305 | 313 | 1154 | 1863 | 248 | 328 |
| Rush | 776 | 575 | 203 | 149 | 822 | 560 | 178 | 119 |
| SecondPine | 717 | 530 | 181 | 129 | 905 | 584 | 192 | 121 |
| UpperPine | 745 | 543 | 212 | 148 | 891 | 548 | 196 | 129 |

| Lake | Total | | | | Active | | | |
|------------|-------------------|------|------------------|------|-------------------|------|------------------|------|
| | S_{spec} | | S_{phy} | | S_{spec} | | S_{phy} | |
| | 2011 | 2012 | 2011 | 2012 | 2011 | 2012 | 2011 | 2012 |
| Ann | 765 | 678 | 203 | 184 | 860 | 705 | 165 | 153 |
| Canyon | 709 | 727 | 186 | 195 | 907 | 801 | 179 | 161 |
| Howe | 736 | 627 | 196 | 163 | 720 | 649 | 115 | 127 |
| Ives | 544 | 521 | 144 | 134 | 562 | 589 | 107 | 127 |
| Lily | 777 | 1076 | 227 | 284 | 703 | 1254 | 135 | 266 |
| Mountain | 707 | 690 | 185 | 179 | 757 | 653 | 163 | 139 |
| Pony | 1337 | 1956 | 305 | 313 | 1154 | 1863 | 248 | 328 |
| Rush | 776 | 575 | 203 | 149 | 822 | 560 | 178 | 119 |
| SecondPine | 717 | 530 | 181 | 129 | 905 | 584 | 192 | 121 |
| UpperPine | 745 | 543 | 212 | 148 | 891 | 548 | 196 | 129 |

| Model | Lake | | Molecule | |
|-------------------|-------|-------|----------|-------|
| | R^2 | P | R^2 | P |
| Bray-Curtis – PA | 0.51 | 0.001 | 0.04 | 0.006 |
| Bray-Curtis – REL | 0.64 | 0.001 | 0.11 | 0.001 |
| Bray-Curtis – Log | 0.60 | 0.001 | 0.03 | 0.007 |
| UniFrac – PA | 0.45 | 0.001 | 0.05 | 0.001 |
| UniFrac – REL | 0.53 | 0.001 | 0.28 | 0.001 |
| UniFrac – Log | 0.58 | 0.001 | 0.11 | 0.001 |

| Resources | ρ | p |
|-----------|--------|--------|
| DOC – TN | 0.97 | <0.001 |
| DOC – TP | 0.72 | <0.001 |
| TN – TP | 0.68 | <0.001 |