Summary data of smallmouth bass and channel catfish from the Yampa river, 2003

Table 1---Dates of each sampling occasion and number of smallmouth bass and channel catfish captured on the Yampa River, 2003.
No gamefish were tagged on Occasion 1. Numbers include recapture events.

<table>
<thead>
<tr>
<th>Occasion</th>
<th>Dates</th>
<th>Bass</th>
<th>Catfish</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4/23/03--5/1/03</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>5/10/03--5/22/03</td>
<td>171</td>
<td>59</td>
</tr>
<tr>
<td>3</td>
<td>5/27/03--6/8/03</td>
<td>350</td>
<td>90</td>
</tr>
<tr>
<td>4</td>
<td>6/5/03--6/6/03</td>
<td>382</td>
<td>9</td>
</tr>
<tr>
<td>5</td>
<td>6/12/06--6/26/03</td>
<td>213</td>
<td>76</td>
</tr>
<tr>
<td>6</td>
<td>6/29/03--7/3/03</td>
<td>566</td>
<td>38</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>1682</td>
<td>372</td>
</tr>
</tbody>
</table>

Table 2---Number of smallmouth bass and channel catfish captured by each gear on the Yampa River, 2003.
Numbers include recapture events

<table>
<thead>
<tr>
<th>Gear</th>
<th>Bass</th>
<th>Catfish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boat Electrofishing</td>
<td>1675</td>
<td>345</td>
</tr>
<tr>
<td>Block &amp; Shock</td>
<td>3</td>
<td>23</td>
</tr>
<tr>
<td>Fyke Net</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Total</td>
<td>1682</td>
<td>372</td>
</tr>
</tbody>
</table>

Table 3---Percent of smallmouth bass that stayed or moved out of the study site where they were originally captured.

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Length of site (miles)</th>
<th>Percentage that Stayed</th>
<th>Percentage that Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treatment-1</td>
<td>3</td>
<td>50%</td>
<td>50%</td>
</tr>
<tr>
<td>Treatment-2</td>
<td>3</td>
<td>46%</td>
<td>54%</td>
</tr>
<tr>
<td>Control-1</td>
<td>3</td>
<td>55%</td>
<td>45%</td>
</tr>
<tr>
<td>Control-2</td>
<td>3</td>
<td>45%</td>
<td>55%</td>
</tr>
<tr>
<td>Treatments Combined</td>
<td>6</td>
<td>64%</td>
<td>36%</td>
</tr>
<tr>
<td>Control Combined</td>
<td>6</td>
<td>73%</td>
<td>27%</td>
</tr>
<tr>
<td>All Sites Combined</td>
<td>12</td>
<td>91%</td>
<td>9%</td>
</tr>
</tbody>
</table>
Table 4---Capture density of smallmouth bass and channel catfish per mile in the Yampa river, 2003. No gamefish were tagged on Occasion 1. Numbers include recapture events.

<table>
<thead>
<tr>
<th>Sampling Occasion</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Smallmouth bass</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Treatment Reach (6-miles)</td>
<td>0</td>
<td>13</td>
<td>19</td>
<td>19</td>
<td>16</td>
<td>34</td>
</tr>
<tr>
<td>Control Reach (6-miles)</td>
<td>0</td>
<td>16</td>
<td>36</td>
<td>43</td>
<td>19</td>
<td>57</td>
</tr>
<tr>
<td>Both Reaches Combined (12 miles)</td>
<td>0</td>
<td>14</td>
<td>27</td>
<td>31</td>
<td>17</td>
<td>46</td>
</tr>
</tbody>
</table>

| **Channel catfish**         |   |   |   |   |   |   |
| Riverwide (70 miles)        | 0 | 0.8| 1.4| 2.5| 0.5|   |

Table 5--Number of marked and unmarked smallmouth bass captured on each sampling occasion in the Yampa River, 2003.

<table>
<thead>
<tr>
<th>Sampling Occasion</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Both Reaches combined</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marked</td>
<td>0</td>
<td>11</td>
<td>41</td>
<td>44</td>
<td>72</td>
<td>168</td>
</tr>
<tr>
<td>Unmarked</td>
<td>170</td>
<td>318</td>
<td>332</td>
<td>164</td>
<td>474</td>
<td>1458</td>
</tr>
<tr>
<td>Total</td>
<td>170</td>
<td>329</td>
<td>373</td>
<td>208</td>
<td>546</td>
<td>1626</td>
</tr>
</tbody>
</table>

Table 6--Number of marked and unmarked channel catfish captured on each sampling occasion riverwide in the Yampa River, 2003. No gamefish were tagged on Occasion 1. Numbers include recapture events.

<table>
<thead>
<tr>
<th>Sampling Occasion</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Marked</strong></td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>4</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>Unmarked</td>
<td>0</td>
<td>59</td>
<td>98</td>
<td>172</td>
<td>35</td>
<td>364</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>0</td>
<td>59</td>
<td>99</td>
<td>176</td>
<td>38</td>
<td>372</td>
</tr>
</tbody>
</table>
Table 7---Length Frequency of smallmouth bass captured in the Yampa River, 2003. This does not include lengths of recaptured fish.

<table>
<thead>
<tr>
<th>Treatment Reach (6-miles)</th>
<th>Sampling Occasion</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TL</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>0-49</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>553</td>
</tr>
<tr>
<td>50-99</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100-149</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>42</td>
</tr>
<tr>
<td>150-199</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>128</td>
</tr>
<tr>
<td>200-249</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>105</td>
</tr>
<tr>
<td>250-299</td>
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<td>115</td>
</tr>
<tr>
<td>300-349</td>
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<td></td>
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<td></td>
<td></td>
<td>81</td>
</tr>
<tr>
<td>350-399</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50</td>
</tr>
<tr>
<td>400-449</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>25</td>
</tr>
<tr>
<td>450-499</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>500-549</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>77</td>
<td>113</td>
<td>99</td>
<td>78</td>
<td>553</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Control Reach (6-miles)</th>
<th>Sampling Occasion</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TL</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>0-49</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>50-99</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>100-149</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>106</td>
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<tr>
<td>150-199</td>
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<td></td>
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<td></td>
<td></td>
<td>311</td>
</tr>
<tr>
<td>200-249</td>
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<td></td>
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<td>140</td>
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<td>300-349</td>
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<td>350-399</td>
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<td></td>
<td></td>
<td></td>
<td>63</td>
</tr>
<tr>
<td>400-449</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>31</td>
</tr>
<tr>
<td>450-499</td>
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<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>500-549</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>93</td>
<td>205</td>
<td>232</td>
<td>86</td>
<td>903</td>
</tr>
</tbody>
</table>
Table 8---Length Frequency of channel catfish captured in the Yampa River, 2003. This does not include lengths of recaptured fish. Catfish captured on occasion 2.5 are included in occasion 2.

<table>
<thead>
<tr>
<th>Sampling Occasion</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>200-249</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>250-299</td>
<td>2</td>
<td>7</td>
<td></td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>300-349</td>
<td>8</td>
<td>28</td>
<td></td>
<td></td>
<td>36</td>
</tr>
<tr>
<td>350-399</td>
<td>5</td>
<td>11</td>
<td>32</td>
<td></td>
<td>48</td>
</tr>
<tr>
<td>400-449</td>
<td>8</td>
<td>12</td>
<td>19</td>
<td>1</td>
<td>40</td>
</tr>
<tr>
<td>450-499</td>
<td>14</td>
<td>23</td>
<td>33</td>
<td>9</td>
<td>79</td>
</tr>
<tr>
<td>500-549</td>
<td>13</td>
<td>22</td>
<td>33</td>
<td>13</td>
<td>81</td>
</tr>
<tr>
<td>550-599</td>
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<td>15</td>
<td>17</td>
<td>14</td>
<td>59</td>
</tr>
<tr>
<td>600-649</td>
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<td>6</td>
<td>5</td>
<td>1</td>
<td>17</td>
</tr>
<tr>
<td>650-700</td>
<td>1</td>
<td>2</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Grand Total</td>
<td>59</td>
<td>99</td>
<td>176</td>
<td>38</td>
<td>372</td>
</tr>
</tbody>
</table>

Table 9---Length Frequency of channel catfish by Reach in the Yampa River, 2003.

<table>
<thead>
<tr>
<th>Reach</th>
<th>JUNIPER</th>
<th>MAYBELL</th>
<th>LILY</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>200-249</td>
<td>9</td>
<td>9</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>250-299</td>
<td></td>
<td>36</td>
<td>36</td>
<td>36</td>
</tr>
<tr>
<td>300-349</td>
<td>10</td>
<td>38</td>
<td>48</td>
<td>48</td>
</tr>
<tr>
<td>350-399</td>
<td>7</td>
<td>26</td>
<td>7</td>
<td>40</td>
</tr>
<tr>
<td>400-449</td>
<td>30</td>
<td>46</td>
<td>3</td>
<td>79</td>
</tr>
<tr>
<td>450-499</td>
<td>38</td>
<td>40</td>
<td>3</td>
<td>81</td>
</tr>
<tr>
<td>500-549</td>
<td>39</td>
<td>20</td>
<td></td>
<td>59</td>
</tr>
<tr>
<td>550-599</td>
<td>5</td>
<td>11</td>
<td>1</td>
<td>17</td>
</tr>
<tr>
<td>600-649</td>
<td>2</td>
<td>1</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Grand Total</td>
<td>121</td>
<td>154</td>
<td>97</td>
<td>372</td>
</tr>
</tbody>
</table>