**Placer County Water Agency - Middle Fork American River Project**

**REC-4 Contingency Whitewater Flow Study - Rubicon River**

**2011 Online Whitewater Flow Study Data**

**Summary – Flow Characteristics Evaluation**

**Day 1 Put-in Flow at Ellicott Bridge - 216 cfs (n=1)**

**Rating Scales**:

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unacceptable** | **Moderately Unacceptable** | **Moderately Acceptable** | **Highly Acceptable** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unsatisfied** | **Moderately Unsatisfied** | **Moderately Satisfied** | **Highly Satisfied** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Much Lower Flow** | **Slightly Lower Flow** | **About the Same Flow** | **Slightly Higher Flow** | **Much Higher Flow** |
| 1 | 2 | 3 | 4 | 5 |

|  |  |
| --- | --- |
| **Rate the following characteristics at the flow you boated during this trip** | **Average Rating** |
| Overall Boatability | 2 |
| Availability of challenging technical boating | 3 |
| Availability of powerful hydraulics | 2 |
| Availability of "play areas" | 2 |
| Overall whitewater "challenge" | 3 |
| Safety | 2 |
| Rate of travel | 4 |
| Number of scouts | 4 |
| Number of portages | 4 |

|  |  |
| --- | --- |
| **Rate your overall satisfaction with the flow you boated** | **Average Rating** |
|  | 2 |

|  |  |
| --- | --- |
| **In general, would you prefer a flow that was higher, lower, or about the same as the flow you boated during this trip?** | **Average Rating** |
|  | 4 |

|  |  |  |
| --- | --- | --- |
| **Would you return to boat the Rubicon River again at the flow you boated during this trip?** | **Number of Reponses** | **Response Percentage** |
| Yes | 0 | 0 |
| No | 1 | 100 |
| Possibly | 0 | 0 |

**Summary – Flow Characteristics Evaluation**

**Day 1 Put-in Flow at Ellicott Bridge - 291 - 305 cfs (n=9)**

**Rating Scales**:

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unacceptable** | **Moderately Unacceptable** | **Moderately Acceptable** | **Highly Acceptable** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unsatisfied** | **Moderately Unsatisfied** | **Moderately Satisfied** | **Highly Satisfied** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Much Lower Flow** | **Slightly Lower Flow** | **About the Same Flow** | **Slightly Higher Flow** | **Much Higher Flow** |
| 1 | 2 | 3 | 4 | 5 |

|  |  |
| --- | --- |
| **Rate the following characteristics at the flow you boated during this trip** | **Average Rating** |
| Overall Boatability | 2.4 |
| Availability of challenging technical boating | 2.6 |
| Availability of powerful hydraulics | 2.4 |
| Availability of "play areas" | 2.0 |
| Overall whitewater "challenge" | 2.4 |
| Safety | 2.4 |
| Rate of travel | 3.0 |
| Number of scouts | 3.4 |
| Number of portages | 3.3 |

|  |  |
| --- | --- |
| **Rate your overall satisfaction with the flow you boated** | **Average Rating** |
|  | 2.3 |

|  |  |
| --- | --- |
| **In general, would you prefer a flow that was higher, lower, or about the same as the flow you boated during this trip?** | **Average Rating** |
|  | 4.4 |

|  |  |  |
| --- | --- | --- |
| **Would you return to boat the Rubicon River again at the flow you boated during this trip?** | **Number of Reponses** | **Response Percentage** |
| Yes | 1 | 11.2 |
| No | 4 | 44.4 |
| Possibly | 4 | 44.4 |

**Summary – Flow Characteristics Evaluation**

**Day 1 Put-in Flow at Ellicott Bridge - 575 - 616 cfs (n=7)**

**Rating Scales**:

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unacceptable** | **Moderately Unacceptable** | **Moderately Acceptable** | **Highly Acceptable** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unsatisfied** | **Moderately Unsatisfied** | **Moderately Satisfied** | **Highly Satisfied** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Much Lower Flow** | **Slightly Lower Flow** | **About the Same Flow** | **Slightly Higher Flow** | **Much Higher Flow** |
| 1 | 2 | 3 | 4 | 5 |

|  |  |
| --- | --- |
| **Rate the following characteristics at the flow you boated during this trip** | **Average Rating** |
| Overall Boatability | 3.0 |
| Availability of challenging technical boating | 3.3 |
| Availability of powerful hydraulics | 3.0 |
| Availability of "play areas" | 2.2 |
| Overall whitewater "challenge" | 3.3 |
| Safety | 3.3 |
| Rate of travel | 3.4 |
| Number of scouts | 3.7 |
| Number of portages | 3.7 |

|  |  |
| --- | --- |
| **Rate your overall satisfaction with the flow you boated** | **Average Rating** |
|  | 2.7 |

|  |  |
| --- | --- |
| **In general, would you prefer a flow that was higher, lower, or about the same as the flow you boated during this trip?** | **Average Rating** |
|  | 4.1 |

|  |  |  |
| --- | --- | --- |
| **Would you return to boat the Rubicon River again at the flow you boated during this trip?** | **Number of Reponses** | **Response Percentage** |
| Yes | 3 | 42.9 |
| No | 1 | 14.3 |
| Possibly | 3 | 42.9 |

**Summary – Flow Characteristics Evaluation**

**Day 1 Put-in Flow at Ellicott Bridge - 634 - 648 cfs (n=7)**

**Rating Scales**:

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unacceptable** | **Moderately Unacceptable** | **Moderately Acceptable** | **Highly Acceptable** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unsatisfied** | **Moderately Unsatisfied** | **Moderately Satisfied** | **Highly Satisfied** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Much Lower Flow** | **Slightly Lower Flow** | **About the Same Flow** | **Slightly Higher Flow** | **Much Higher Flow** |
| 1 | 2 | 3 | 4 | 5 |

|  |  |
| --- | --- |
| **Rate the following characteristics at the flow you boated during this trip** | **Average Rating** |
| Overall Boatability | 3.3 |
| Availability of challenging technical boating | 3.6 |
| Availability of powerful hydraulics | 3.3 |
| Availability of "play areas" | 2.4 |
| Overall whitewater "challenge" | 3.4 |
| Safety | 3.1 |
| Rate of travel | 3.3 |
| Number of scouts | 3.0 |
| Number of portages | 3.0 |

|  |  |
| --- | --- |
| **Rate your overall satisfaction with the flow you boated** | **Average Rating** |
|  | 2.7 |

|  |  |
| --- | --- |
| **In general, would you prefer a flow that was higher, lower, or about the same as the flow you boated during this trip?** | **Average Rating** |
|  | 4.1 |

|  |  |  |
| --- | --- | --- |
| **Would you return to boat the Rubicon River again at the flow you boated during this trip?** | **Number of Reponses** | **Response Percentage** |
| Yes | 3 | 42.9 |
| No | 1 | 14.2 |
| Possibly | 3 | 42.9 |

**Summary – Flow Characteristics Evaluation**

**Day 1 Put-in Flow at Ellicott Bridge - 783 -798 cfs (n=2)**

**Rating Scales**:

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unacceptable** | **Moderately Unacceptable** | **Moderately Acceptable** | **Highly Acceptable** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unsatisfied** | **Moderately Unsatisfied** | **Moderately Satisfied** | **Highly Satisfied** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Much Lower Flow** | **Slightly Lower Flow** | **About the Same Flow** | **Slightly Higher Flow** | **Much Higher Flow** |
| 1 | 2 | 3 | 4 | 5 |

|  |  |
| --- | --- |
| **Rate the following characteristics at the flow you boated during this trip** | **Average Rating** |
| Overall Boatability | 4.0 |
| Availability of challenging technical boating | 4.0 |
| Availability of powerful hydraulics | 4.0 |
| Availability of "play areas" | 2.5 |
| Overall whitewater "challenge" | 3.5 |
| Safety | 3.0 |
| Rate of travel | 3.5 |
| Number of scouts | 3.5 |
| Number of portages | 3.5 |

|  |  |
| --- | --- |
| **Rate your overall satisfaction with the flow you boated** | **Average Rating** |
|  | 3.5 |

|  |  |
| --- | --- |
| **In general, would you prefer a flow that was higher, lower, or about the same as the flow you boated during this trip?** | **Average Rating** |
|  | 2.5 |

|  |  |  |
| --- | --- | --- |
| **Would you return to boat the Rubicon River again at the flow you boated during this trip?** | **Number of Reponses** | **Response Percentage** |
| Yes | 2 | 100 |
| No | 0 | 0 |
| Possibly | 0 | 0 |

**Summary – Flow Characteristics Evaluation**

**Day 1 Put-in Flow at Ellicott Bridge - 860 - 888 cfs (n=9)**

**Rating Scales**:

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unacceptable** | **Moderately Unacceptable** | **Moderately Acceptable** | **Highly Acceptable** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unsatisfied** | **Moderately Unsatisfied** | **Moderately Satisfied** | **Highly Satisfied** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Much Lower Flow** | **Slightly Lower Flow** | **About the Same Flow** | **Slightly Higher Flow** | **Much Higher Flow** |
| 1 | 2 | 3 | 4 | 5 |

|  |  |
| --- | --- |
| **Rate the following characteristics at the flow you boated during this trip** | **Average Rating** |
| Overall Boatability | 4.0 |
| Availability of challenging technical boating | 4.0 |
| Availability of powerful hydraulics | 4.0 |
| Availability of "play areas" | 3.2 |
| Overall whitewater "challenge" | 4.0 |
| Safety | 3.6 |
| Rate of travel | 3.8 |
| Number of scouts | 3.9 |
| Number of portages | 3.9 |

|  |  |
| --- | --- |
| **Rate your overall satisfaction with the flow you boated** | **Average Rating** |
|  | 4.0 |

|  |  |
| --- | --- |
| **In general, would you prefer a flow that was higher, lower, or about the same as the flow you boated during this trip?** | **Average Rating** |
|  | 3.0 |

|  |  |  |
| --- | --- | --- |
| **Would you return to boat the Rubicon River again at the flow you boated during this trip?** | **Number of Reponses** | **Response Percentage** |
| Yes | 9 | 100 |
| No | 0 | 0 |
| Possibly | 0 | 0 |

**Summary – Flow Characteristics Evaluation**

**Day 1 Put-in Flow at Ellicott Bridge - 907 - 945 cfs (n=15)**

**Rating Scales**:

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unacceptable** | **Moderately Unacceptable** | **Moderately Acceptable** | **Highly Acceptable** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unsatisfied** | **Moderately Unsatisfied** | **Moderately Satisfied** | **Highly Satisfied** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Much Lower Flow** | **Slightly Lower Flow** | **About the Same Flow** | **Slightly Higher Flow** | **Much Higher Flow** |
| 1 | 2 | 3 | 4 | 5 |

|  |  |
| --- | --- |
| **Rate the following characteristics at the flow you boated during this trip** | **Average Rating** |
| Overall Boatability | 3.9 |
| Availability of challenging technical boating | 4.0 |
| Availability of powerful hydraulics | 3.8 |
| Availability of "play areas" | 3.1 |
| Overall whitewater "challenge" | 4.0 |
| Safety | 3.3 |
| Rate of travel | 3.5 |
| Number of scouts | 3.7 |
| Number of portages | 3.7 |

|  |  |
| --- | --- |
| **Rate your overall satisfaction with the flow you boated** | **Average Rating** |
|  | 4.0 |

|  |  |
| --- | --- |
| **In general, would you prefer a flow that was higher, lower, or about the same as the flow you boated during this trip?** | **Average Rating** |
|  | 2.7 |

|  |  |  |
| --- | --- | --- |
| **Would you return to boat the Rubicon River again at the flow you boated during this trip?** | **Number of Reponses** | **Response Percentage** |
| Yes | 15 | 100 |
| No | 0 | 0 |
| Possibly | 0 | 0 |

**Summary – Flow Characteristics Evaluation**

**Day 1 Put-in Flow at Ellicott Bridge - 989 - 994 cfs (n=2)**

**Rating Scales**:

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unacceptable** | **Moderately Unacceptable** | **Moderately Acceptable** | **Highly Acceptable** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unsatisfied** | **Moderately Unsatisfied** | **Moderately Satisfied** | **Highly Satisfied** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Much Lower Flow** | **Slightly Lower Flow** | **About the Same Flow** | **Slightly Higher Flow** | **Much Higher Flow** |
| 1 | 2 | 3 | 4 | 5 |

|  |  |
| --- | --- |
| **Rate the following characteristics at the flow you boated during this trip** | **Average Rating** |
| Overall Boatability | 4.0 |
| Availability of challenging technical boating | 4.0 |
| Availability of powerful hydraulics | 4.0 |
| Availability of "play areas" | 2.5 |
| Overall whitewater "challenge" | 4.0 |
| Safety | 3.5 |
| Rate of travel | 4.0 |
| Number of scouts | 4.0 |
| Number of portages | 4.0 |

|  |  |
| --- | --- |
| **Rate your overall satisfaction with the flow you boated** | **Average Rating** |
|  | 4.0 |

|  |  |
| --- | --- |
| **In general, would you prefer a flow that was higher, lower, or about the same as the flow you boated during this trip?** | **Average Rating** |
|  | 3.0 |

|  |  |  |
| --- | --- | --- |
| **Would you return to boat the Rubicon River again at the flow you boated during this trip?** | **Number of Reponses** | **Response Percentage** |
| Yes | 2 | 100 |
| No | 0 | 0 |
| Possibly | 0 | 0 |

**Summary – Flow Characteristics Evaluation**

**Day 1 Put-in Flow at Ellicott Bridge - 1044 - 1416 cfs (n=6)**

**Rating Scales**:

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unacceptable** | **Moderately Unacceptable** | **Moderately Acceptable** | **Highly Acceptable** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Highly Unsatisfied** | **Moderately Unsatisfied** | **Moderately Satisfied** | **Highly Satisfied** |
| 1 | 2 | 3 | 4 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Much Lower Flow** | **Slightly Lower Flow** | **About the Same Flow** | **Slightly Higher Flow** | **Much Higher Flow** |
| 1 | 2 | 3 | 4 | 5 |

|  |  |
| --- | --- |
| **Rate the following characteristics at the flow you boated during this trip** | **Average Rating** |
| Overall Boatability | 3.8 |
| Availability of challenging technical boating | 3.8 |
| Availability of powerful hydraulics | 3.5 |
| Availability of "play areas" | 2.7 |
| Overall whitewater "challenge" | 3.8 |
| Safety | 3.6 |
| Rate of travel | 3.5 |
| Number of scouts | 3.7 |
| Number of portages | 3.7 |

|  |  |
| --- | --- |
| **Rate your overall satisfaction with the flow you boated** | **Average Rating** |
|  | 3.4 |

|  |  |
| --- | --- |
| **In general, would you prefer a flow that was higher, lower, or about the same as the flow you boated during this trip?** | **Average Rating** |
|  | 3.2 |

|  |  |  |
| --- | --- | --- |
| **Would you return to boat the Rubicon River again at the flow you boated during this trip?** | **Number of Reponses** | **Response Percentage** |
| Yes | 2 | 33.3 |
| No | 1 | 16.7 |
| Possibly | 3 | 50.0 |