Supplementary plots
S1: Total benefit for different costs

Cost/2

Cost/4

year

2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014

2001−2014

2001−2014

Decision information

Decision information
S2: Yearly relative value

Yearly Relative Value for decisions informed by reservoir level alone (R) and with the addition of snow information (S) for the 10 sets of thresholds and the optimized thresholds (labelled as 62). When the uninformed decision results in the same benefit as the perfect information the Relative Value is -Infinite and is left blank in the plot.
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</thead>
<tbody>
<tr>
<td>RV</td>
<td>35</td>
<td>40</td>
<td>45</td>
<td>50</td>
<td>55</td>
<td>60</td>
<td>65</td>
<td>70</td>
<td>75</td>
<td>80</td>
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Cost/4

Information

RV

35 40 45 50 55 60 65 70 75 80
### S3: Test with random snow values

10 additional runs were performed with random snow values. The objective is to test if the improvements in the decisions observed when the model is run with additional information are indeed the result of better information and not a casual effect.

The first run (run 1) corresponds to MODIS snow data and the following runs (run 2-11) to the generated random data.
Snow values

thresholds
- individual

optimal course
- poor availability
- good availability
- indifferent

year

thresholds
- individual

optimal course
- poor availability
- good availability
- indifferent

year

thresholds
- individual

optimal course
- poor availability
- good availability
- indifferent

year