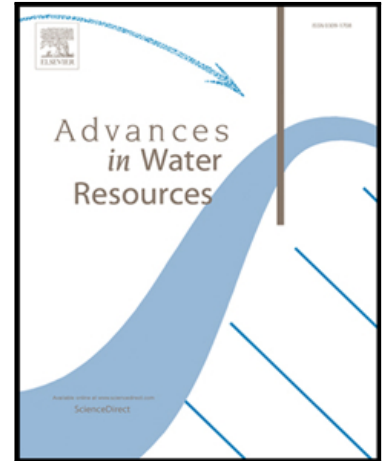


Accepted Manuscript

Resilience-based performance metrics for water resources management under uncertainty

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PII: S0309-1708(17)30996-X
DOI: [10.1016/j.advwatres.2018.03.016](https://doi.org/10.1016/j.advwatres.2018.03.016)
Reference: ADWR 3119



To appear in: *Advances in Water Resources*

Received date: 26 October 2017
Revised date: 29 March 2018
Accepted date: 29 March 2018

Please cite this article as: TOM Roach , Zoran Kapelan , Ralph LedBEtter , Resilience-based performance metrics for water resources management under uncertainty, *Advances in Water Resources* (2018), doi: [10.1016/j.advwatres.2018.03.016](https://doi.org/10.1016/j.advwatres.2018.03.016)

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Highlights

- New metrics for assessing resilience of long-term water supply/demand balance under uncertainty are proposed addressing different aspects of water deficits including duration, magnitude, frequency and volume of these events.
- Metrics are tested, validated and demonstrated on a real Bristol Water supply system.
- The key finding is that, unlike in current practice so far, multiple metrics covering different aspects of resilience should be used simultaneously for water resources management under uncertainty.

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