

# Water Resilience: Lessons from the Kootenay



Credit: Bruce Kirkby

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*Adapted for circulation.*

*Cite as:*  
*Meredith Hamstead. May 18, 2016. thinkBright Environmental Innovations.*

# The Last Slide First: Lessons from the Kootenay

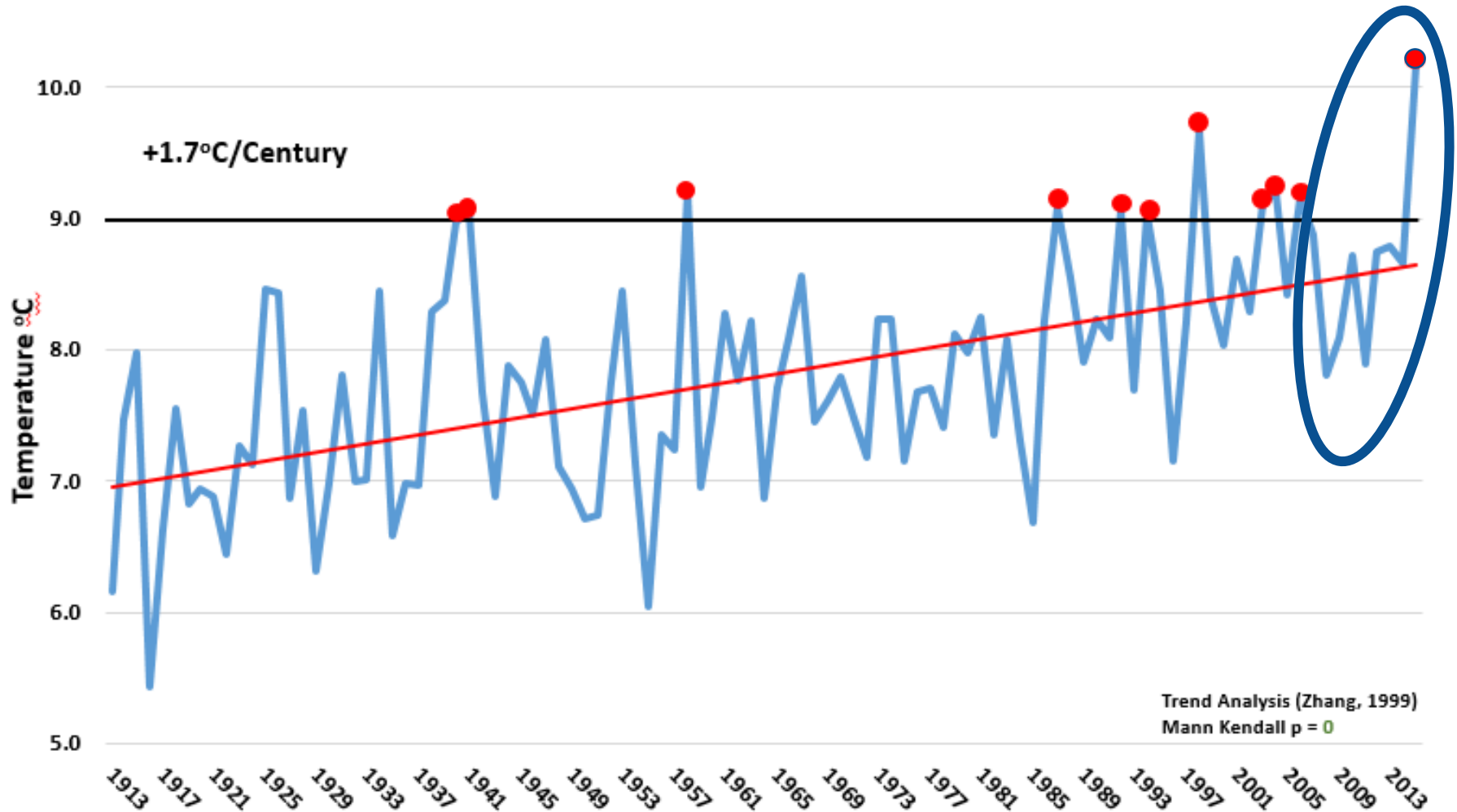
3 ingredients for Water Conservation Success :

- Leakage reduction +
- Irrigation reduction +
- Water demand data.

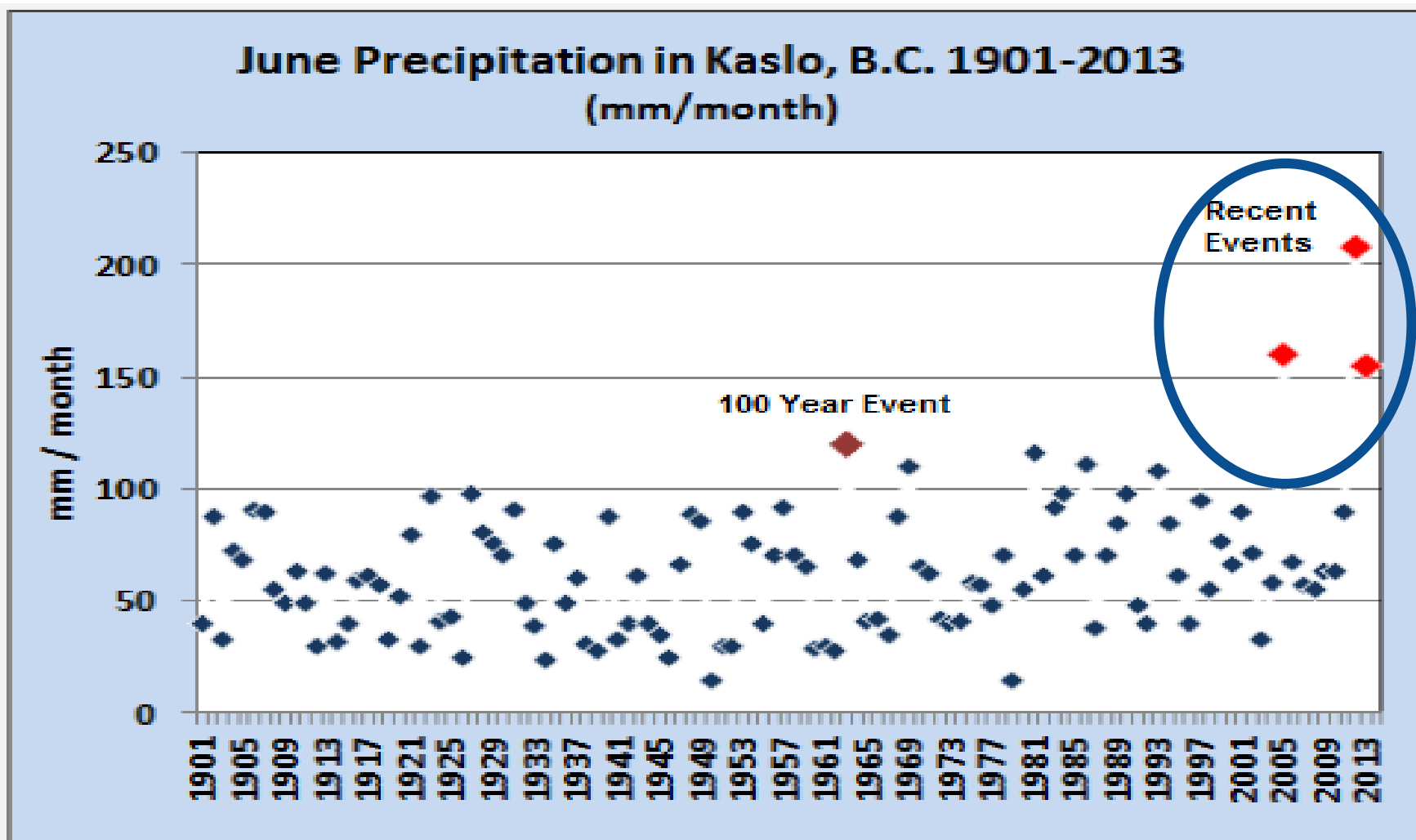
*Enhanced communication drives demand for enhanced performance which drives innovation. Paraphrased from George Hawkins , DC Water*

*Climate Resilience will not be achieved principally through innovation in technology but through innovations in management, communications in particular.*

# Southern Selkirks - Mean Annual Temperature – Extreme Years



(Mel Reasoner, 2016)



(Hans Schreier, 2016)



# Data Geeks

*The culprits of high demand...*

## LEAKS

within the system



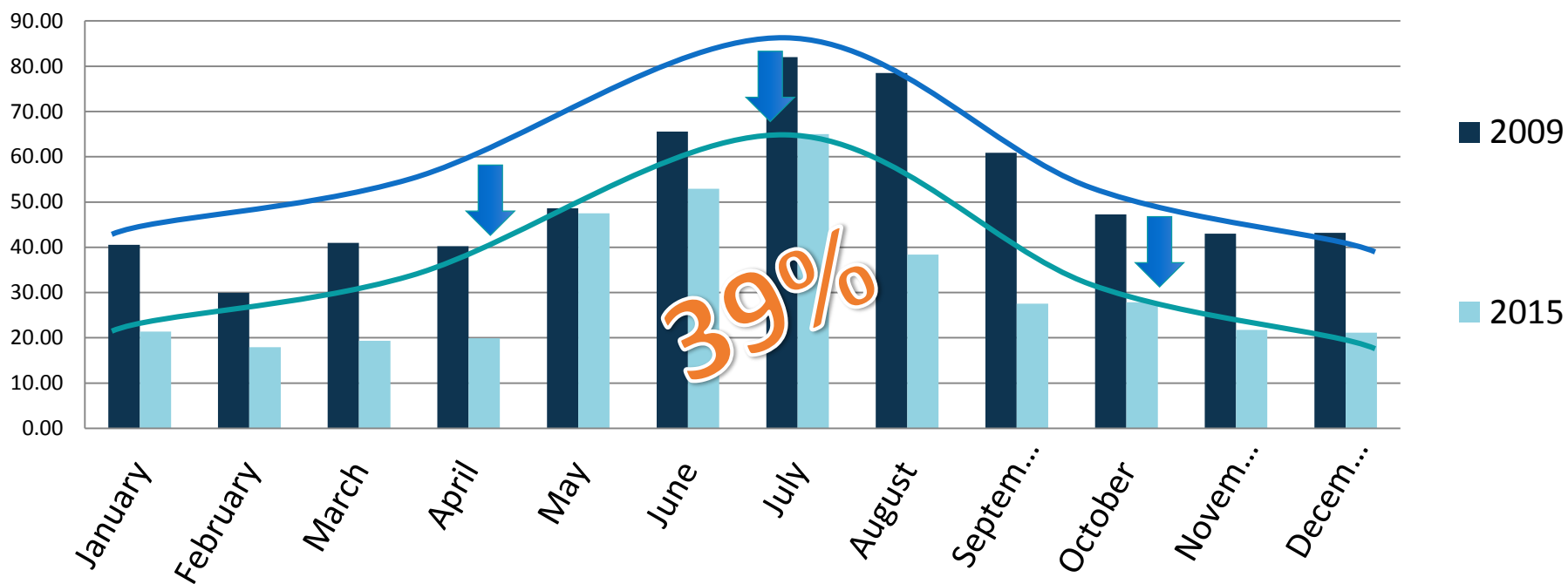
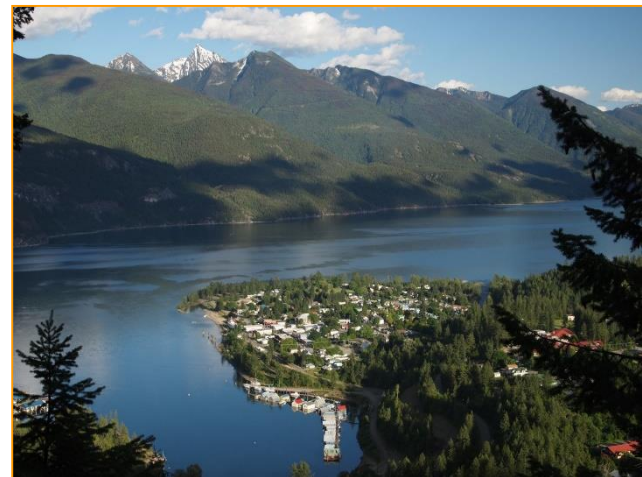
## PEAKS

in summer demand





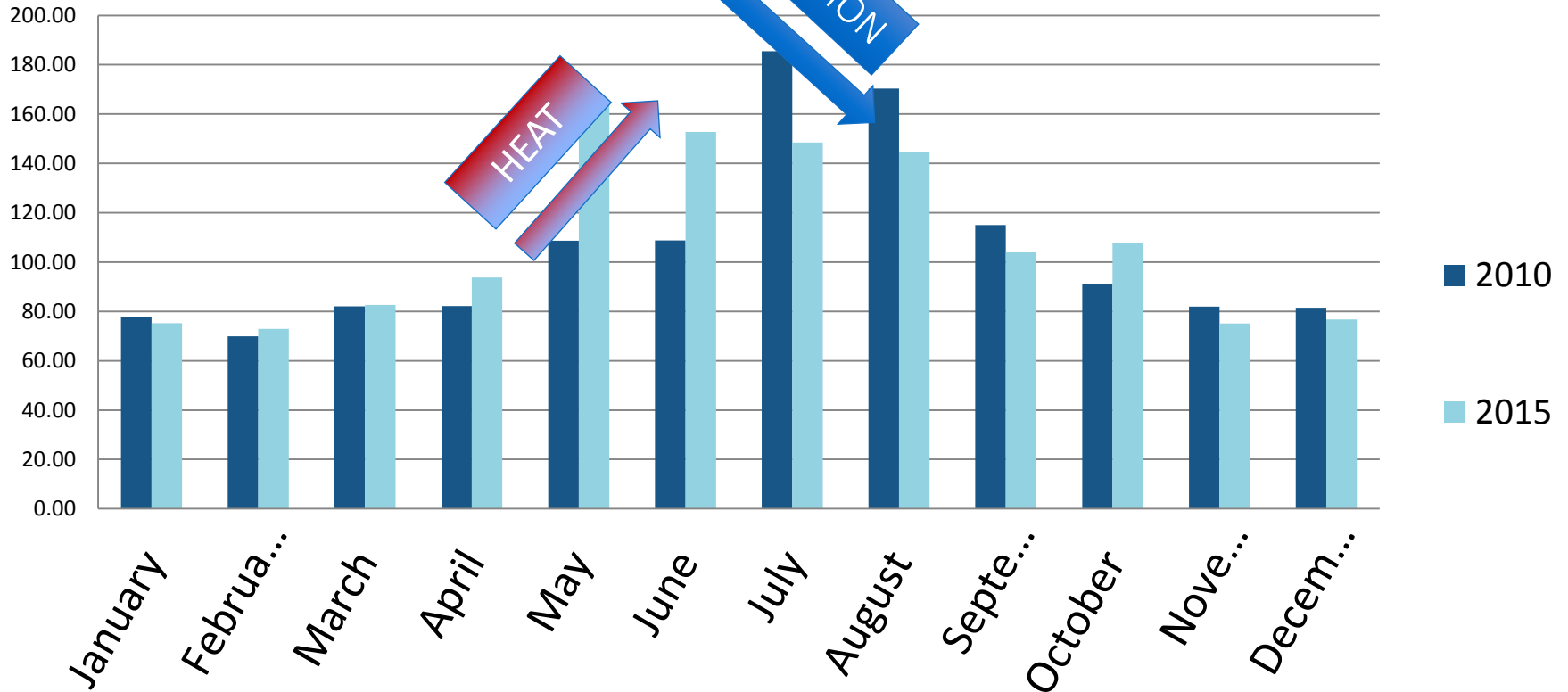
# LEAKS: Kaslo







# PEAKS: Creston



# Lesson #1

# Get the data.

*(you probably don't have it yet...)*

# Use the data.

# Share the data.



*(...and a controversial note about universal metering.)*



# Lesson #2

Data can threaten or empower.

Success requires cross-organizational engagement and support.



# Lesson #3

Distribution system leakage presents the best opportunity for water conservation...



*(...so why are you investing communications dollars telling people to turn off the tap when they brush their teeth?)*

# Lesson #4

Peak demand is a social problem.

Meters are not enough (face to face engagement and tools are required).



# Lesson #5

Start with leaks.

Then peaks.

\*SHARE your  
results (including  
the failures).



*(\*Better communication drives demand for enhanced performance which drives innovation. George Hawkins – DC Water)*

# Contact Information and Sponsorship Notes

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## Columbia Basin Water Smart

[www.cbt.org/watersmart](http://www.cbt.org/watersmart)

This is an adaption of a presentation delivered May 18, 2016 at the Canadian Water Network #Blue Cities conference in Toronto, Ontario.

The presentation was been supported by a bursary from the Columbia Basin Environmental Educators Network ([www.cbeen.org](http://www.cbeen.org)) and conference fee-waiver by the [Blue Cities](#) conference organizers. Without this support, my participation in the Conference would not have been possible. **Thank you!**