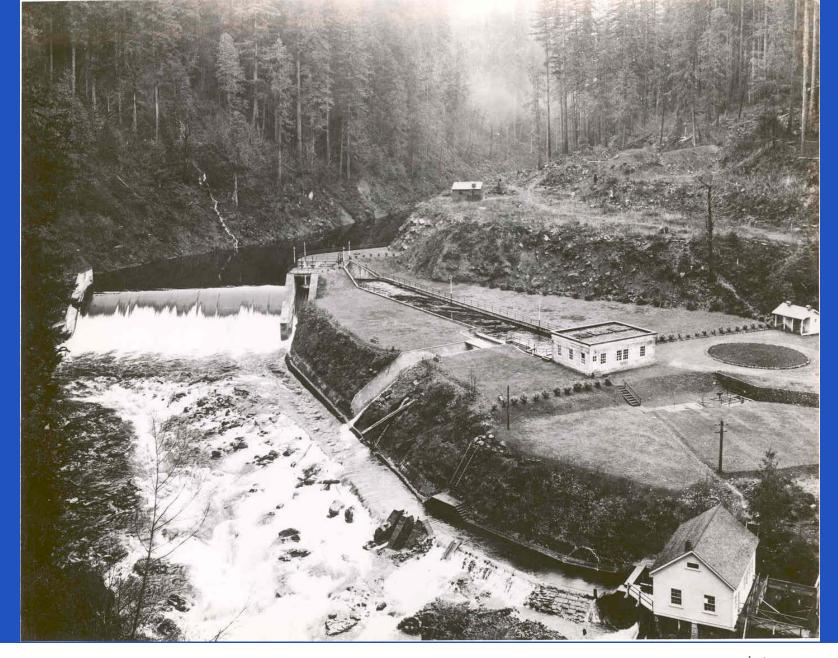
Development & Implementation of the 2007 Bull Run Agreement

Richard Robbins Source Water Protection Program Manager

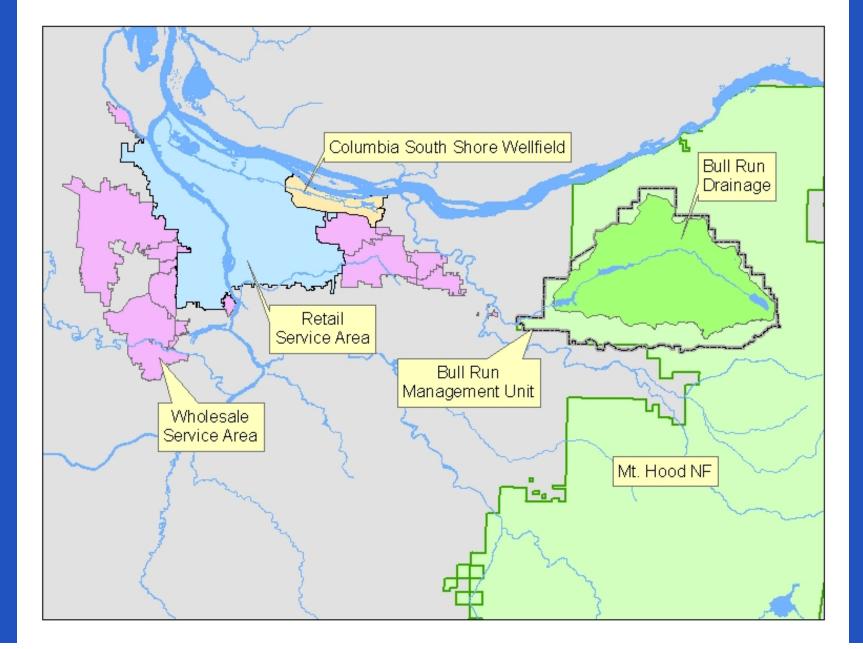




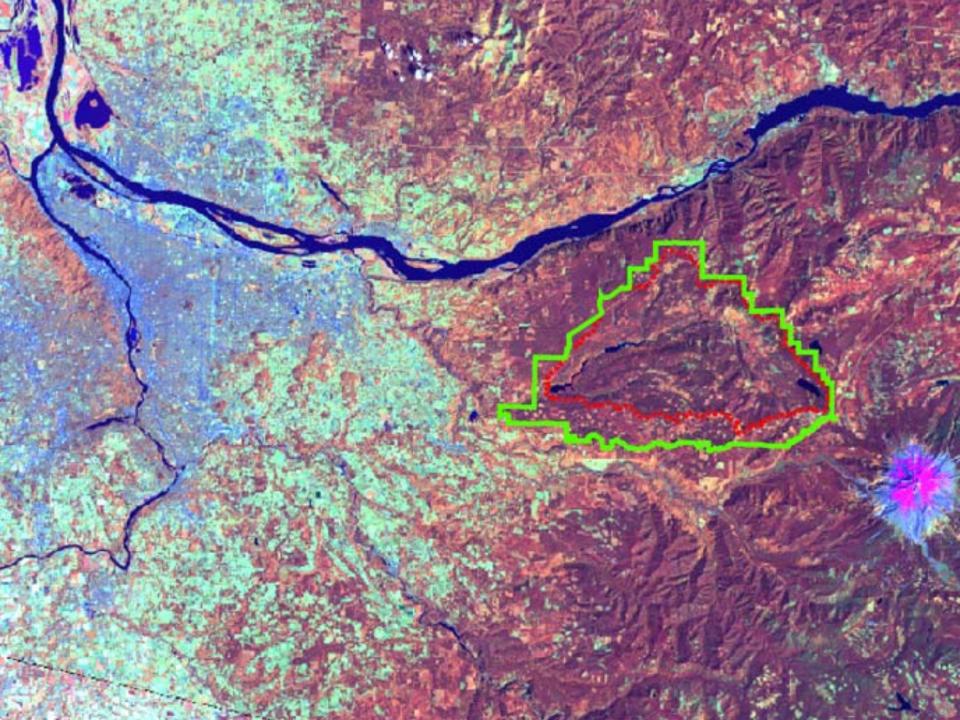












Service Population and System Demand



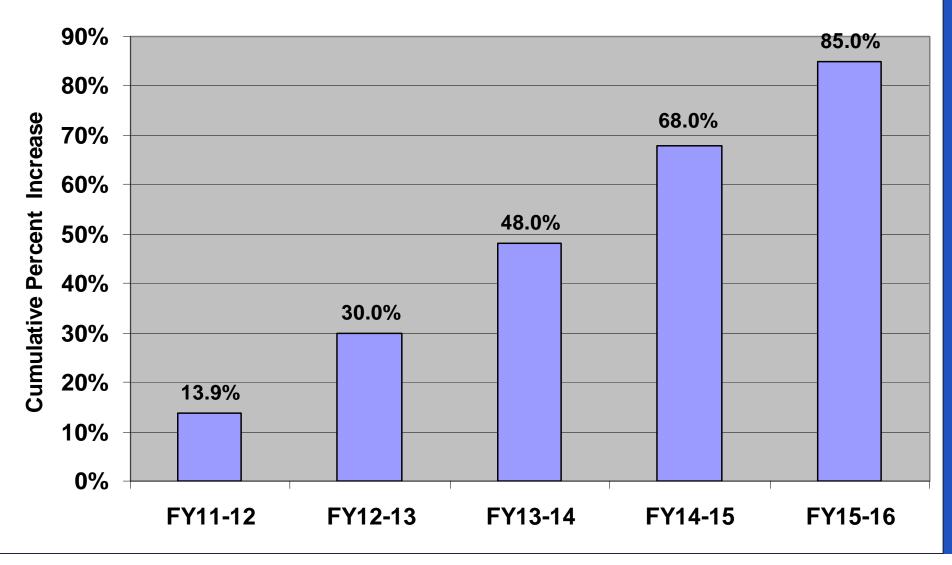
- 566,000 retail customers
- 366,000 wholesale customers
- 19 cities, districts and companies
- 100 million gallons per day average demand
- 165 million gallons per day peak demand



What are the biggest challenges we're facing?

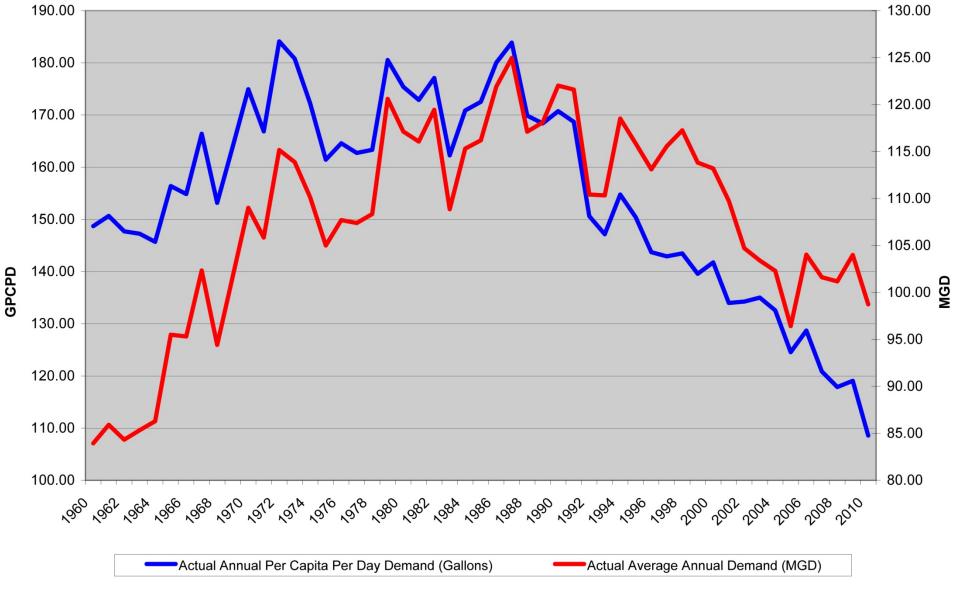


Retail Water Rates -- Cumulative Increase

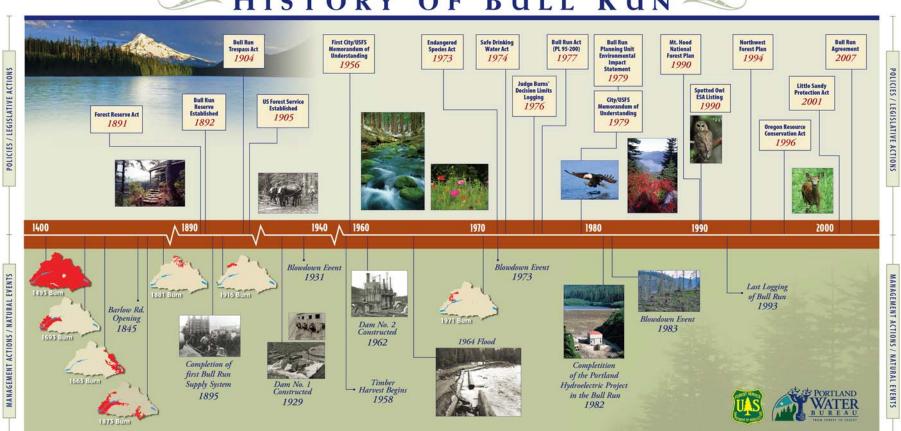






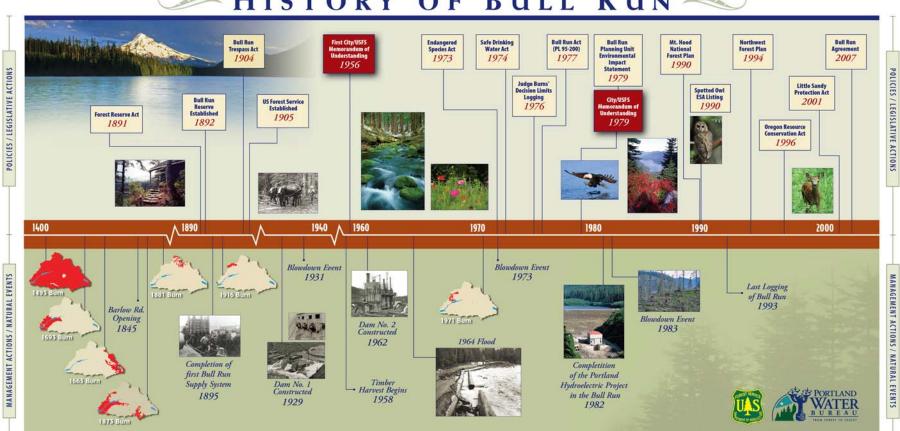






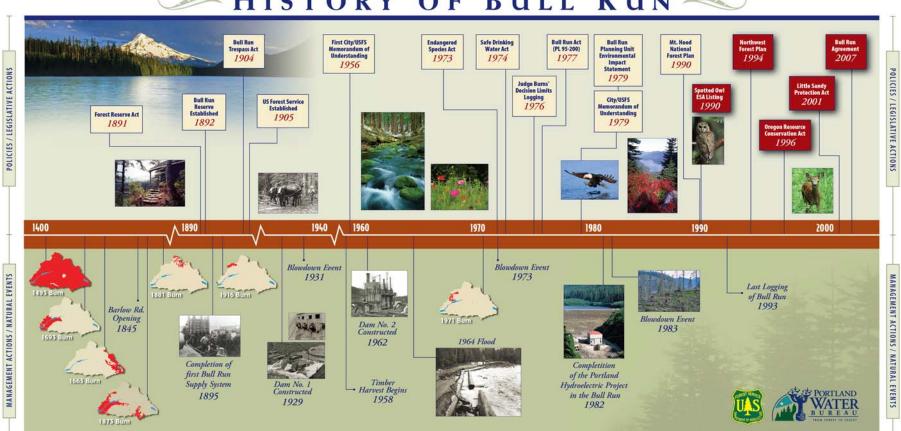
















Purpose of the Agreement

- Conform with Bull Run Management Act and other laws
- Increase efficiency and responsiveness
- Clarify Portland Water Bureau and Mt. Hood NF roles and responsibilities
- Establish citizen participation processes





Bull Run Management Act

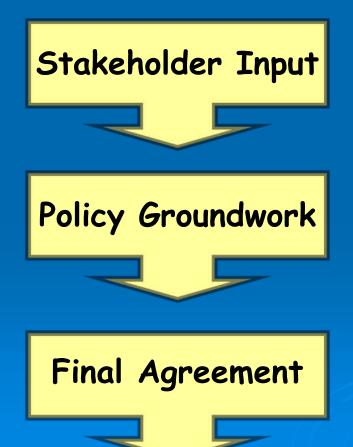
- Established the Bull Run Watershed Management Unit
- Confirmed that primary purpose is to manage as water supply
- Affirmed restriction of public entry
- Prohibits timber harvest, with very limited exceptions
- Dictates that agencies formally work together through written agreements



Evolution of Bull Run Agreement



- NW Forest Plan (1994)
- ORCA (1996) and Little Sandy Act (2001)
- Significant drop in FS funding (~1998)



 Consultant conducts stakeholder interviews and prepares "Convening Report" (2000-2001)

- City/FS Joint Statement of Intent (2001)
 Dull Dur vision in a workshap (2002)
- Bull Run visioning workshop (2003)
- City Council Resolution 36122 (2003) \rightarrow confirm Council's support for moving forward

Meetings w/ key stakeholders (2005)

- Federal Register Notice (Feb, 2007)
- City Council approval (Sept. 2007)



Transparency Commitments in Bull Run Agreement

- City and Forest Service prepare joint semi-annual reports
- Semi-annual coordination meetings open to public



Framework for Roles & Responsibilities

	Joint Interest and Collaborative Action			
Water Bureau Interest and Action	Water Bureau Action with Consultation	Joint Action	Forest Service Action with Consultation	Forest Service Interest and Action



Roles and Responsibilities





- Stewardship of upland terrestrial resources
- Road decommissioning
- Water supply system
- Stewardship of aquatic resources
- Maintenance of long-term access roads
- Security infrastructure (locks, keys, gates)



- Trespass enforcement
- Fire protection and planning
- Conservation/environmental education



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Road Maintenance



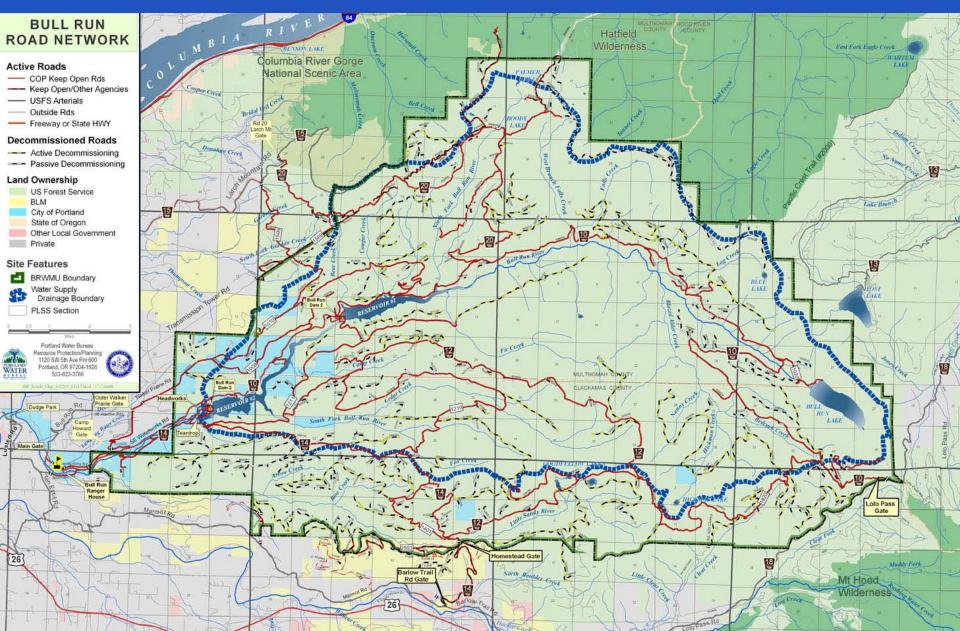
What Roads are Necessary?

- Access to water supply facilities
- Access to ancillary facilities (monitoring stations)
- Access to BPA power line right-of-way
- Fire protection

The result: 179 miles of necessary roads for the Bull Run



Bull Run Road Network



Road Maintenance

- Water Bureau maintains 157 miles of road in and directly adjacent to the BRWMU
- 80% of PWB-maintained roads are paved – legacy from logging era
- Biggest challenge: pavement is gradually deteriorating, overlays are expensive
- Annual costs:
 - \$500,000/yr for routine maintenance
 - \$1 million/yr for capital improvements



Road Decommissioning



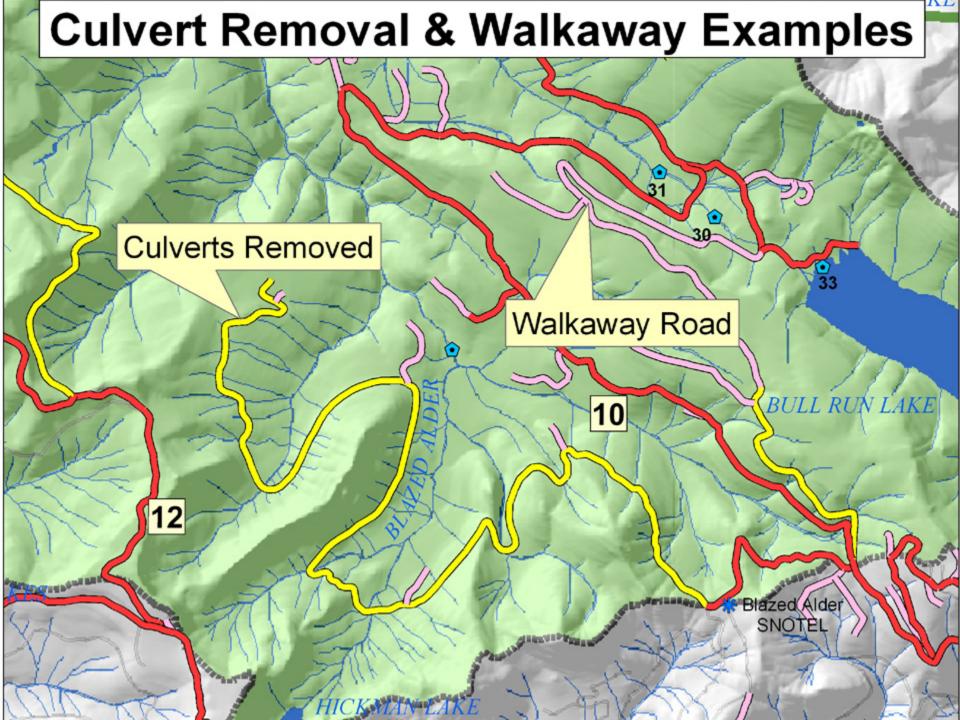
• Program began in 1997

 Road decommissioning in water-supply drainage completed in 2009

•106 miles of *active* road decommissioning within BRWMU

95 miles of *passive* road decommissioning within BRWMU





Road Mileage Summary for Bull Run Road System

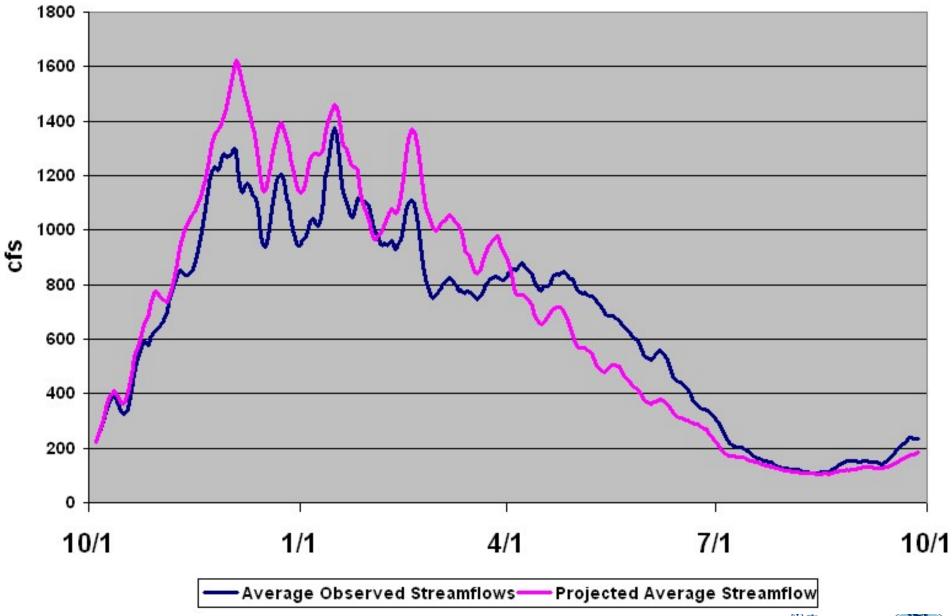
Category	Miles
Keep-open Roads — PWB Maintenance	157
Keep-open Roads – Maintenance by Other	22
Active Decommissioning	106
Passive Decommissioning	95



Implications of Climate Change ... What Does the Future Hold?

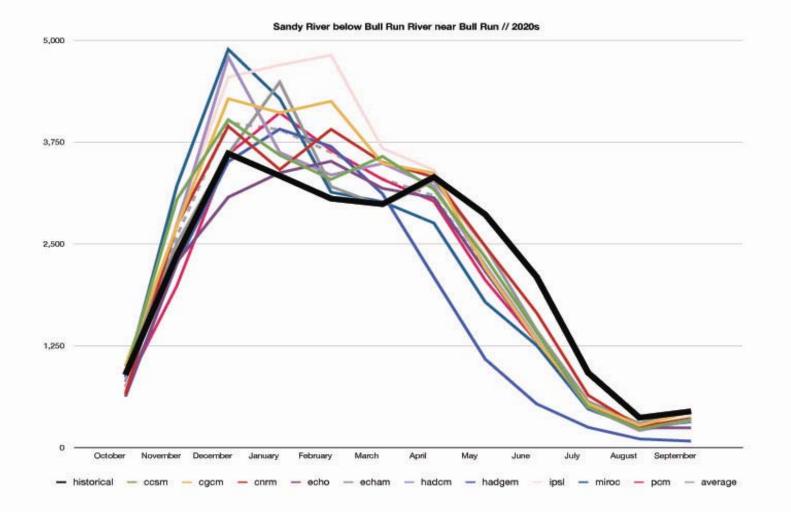


7-Day Moving Average Streamflows (1951 - 1998)





Model Forecast for Sandy River, 2020



PORTLAND BUREAU



- Biggest challenges for PWB: declining demand, and rate increases due to regulatory mandates and aging infrastructure.
- Bull Run Agreement provides an effective framework for defining roles & responsibilities.
- Providing public involvement opportunities throughout the process helped ensure public support.
- Completion of the road decommissioning program helps reduce contribution of sediment from unneeded roads. Legacy Roads & Trails funding was instrumental.
- Concerns about the potential effects of climate change on seasonal extremes – wetter winters and extended dry season. Technical challenges with downscaling global climate change models to watershed scale.



