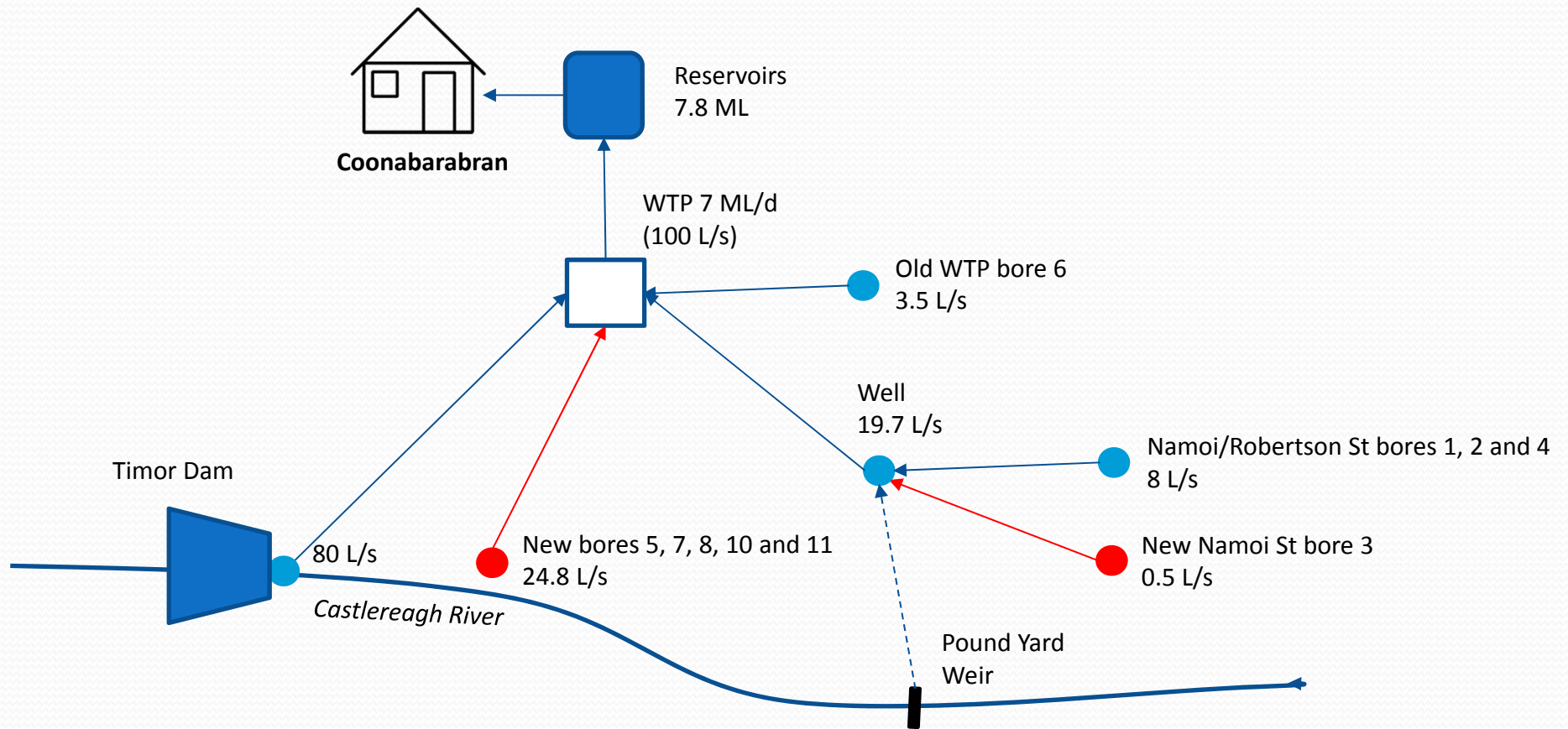




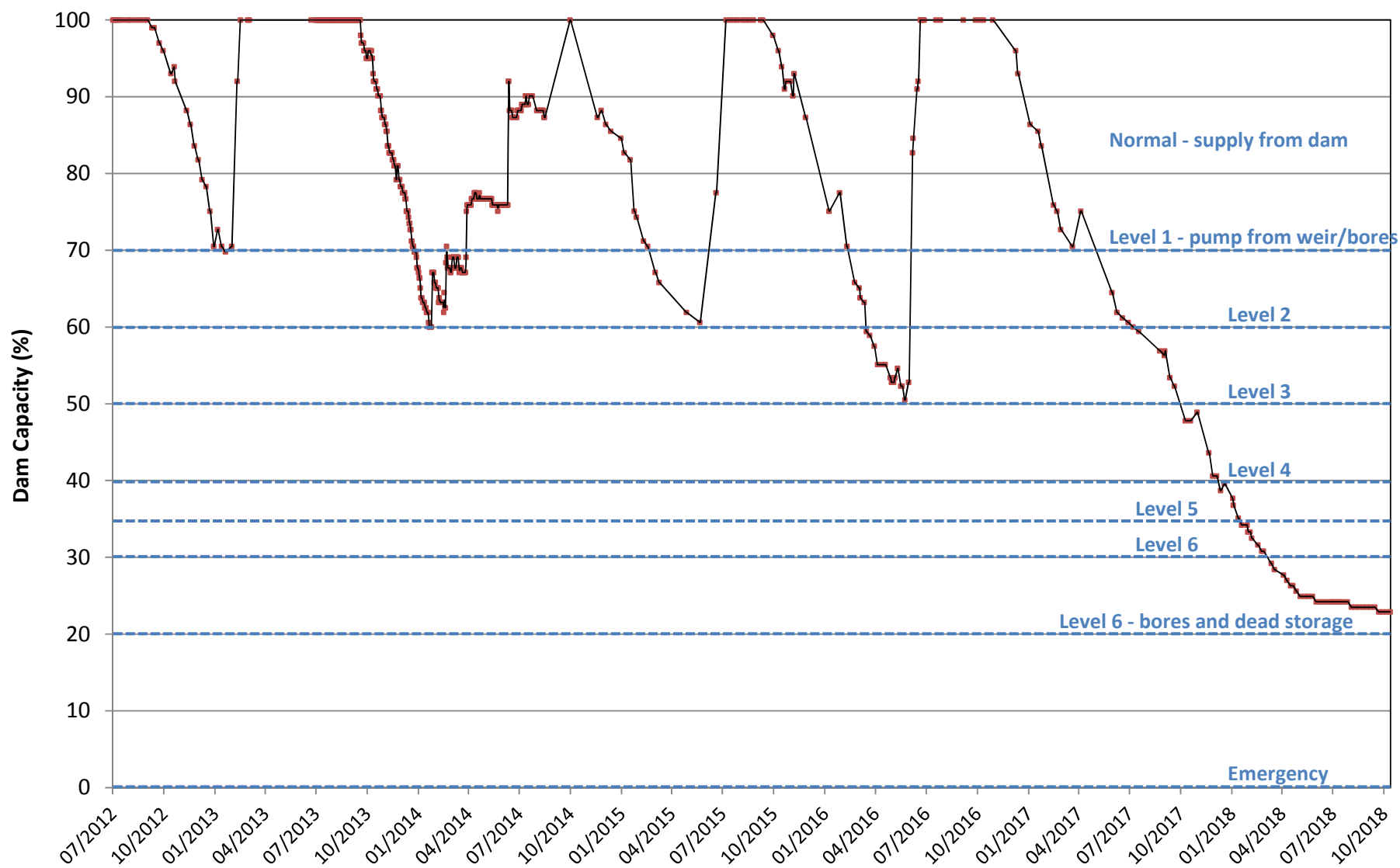
High: Coonabarabran Water Supply

- Frequent restrictions in Coonabarabran
- Timor Dam currently too low to use
- Timor Dam system is currently operated without any releases which is currently required by the licence
- Groundwater extraction limited by licence 50 ML/a

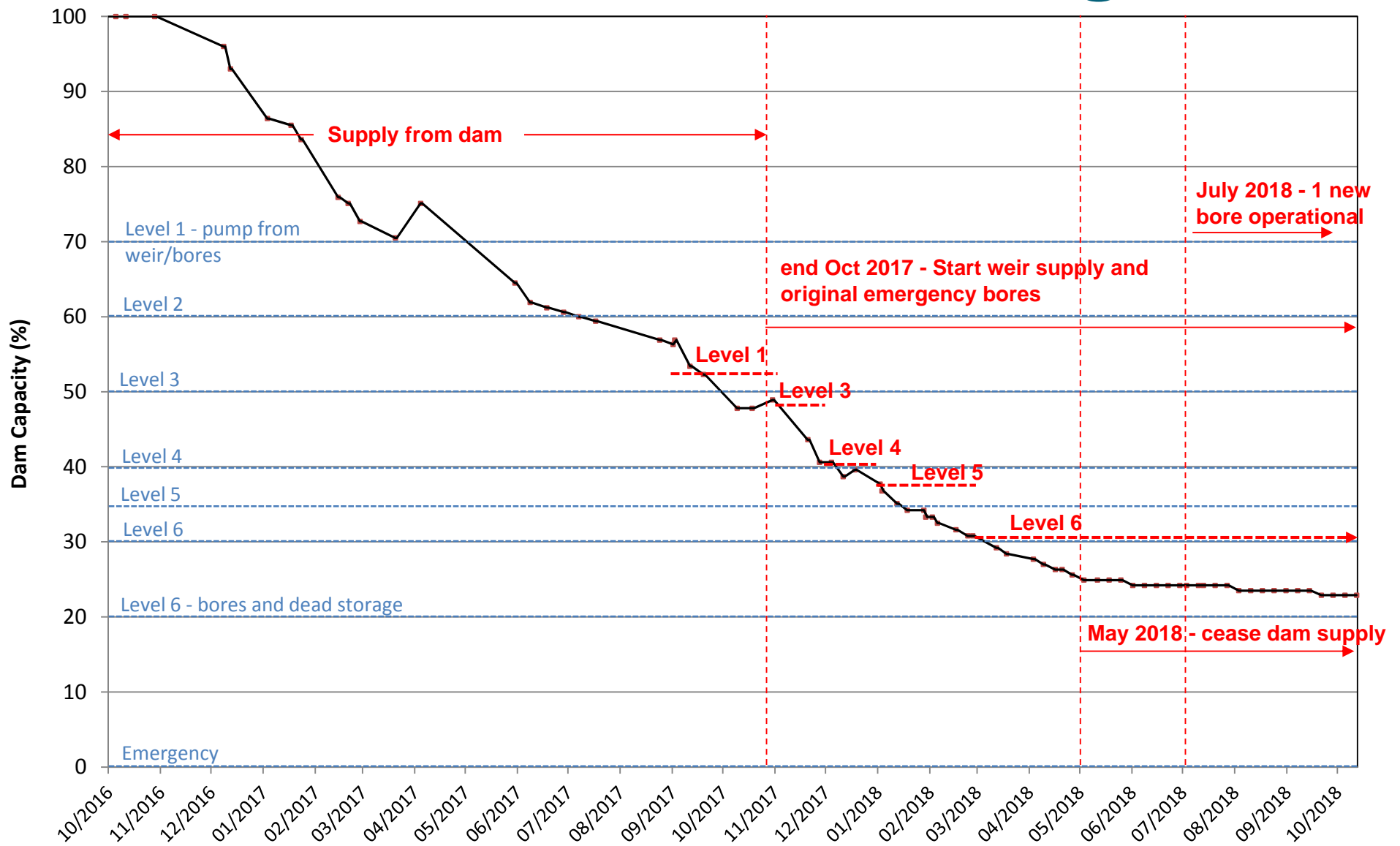
Coonabarabran Water Supply



Timor Dam – level and restrictions



Timor Dam – current drought

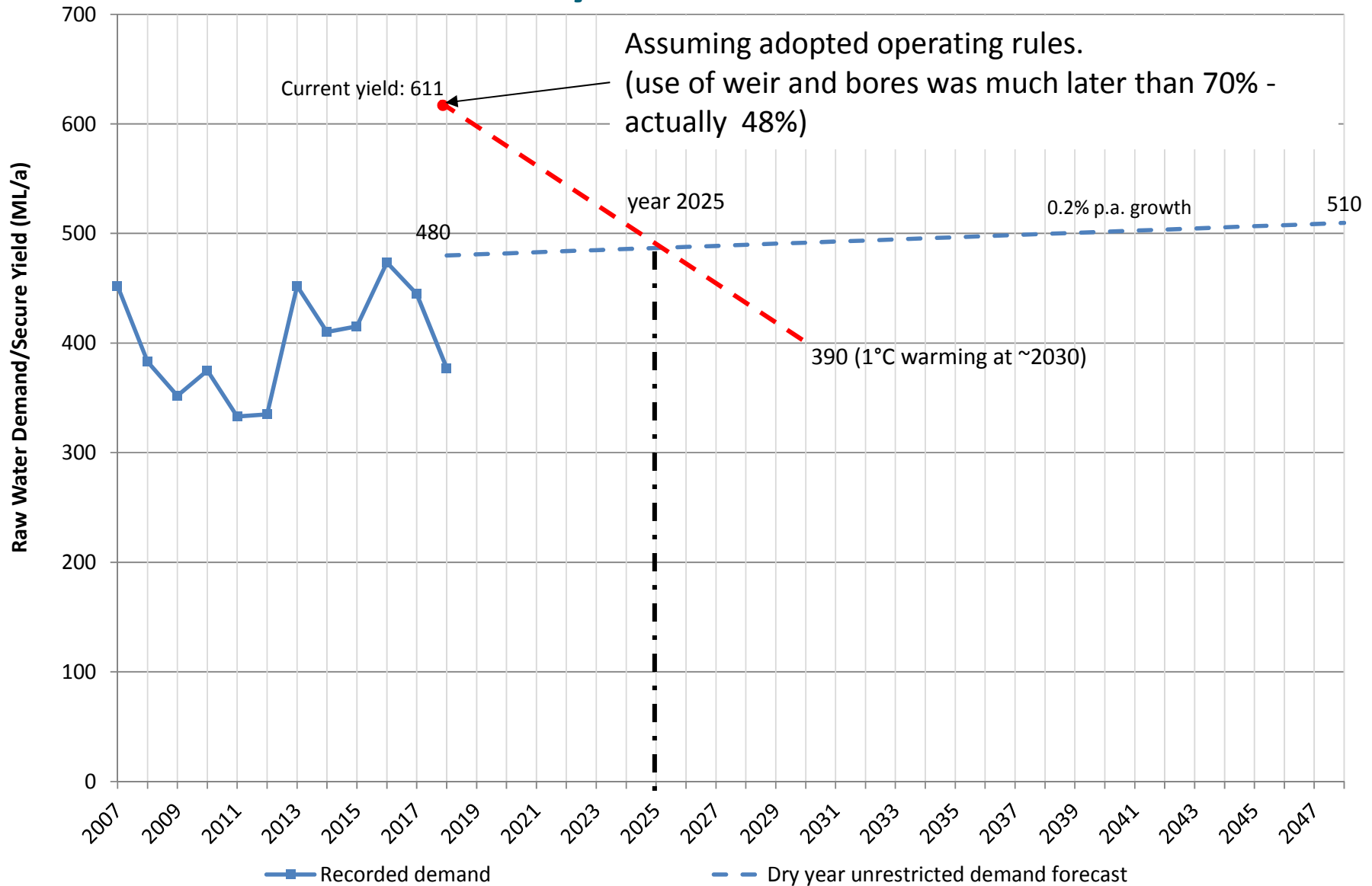




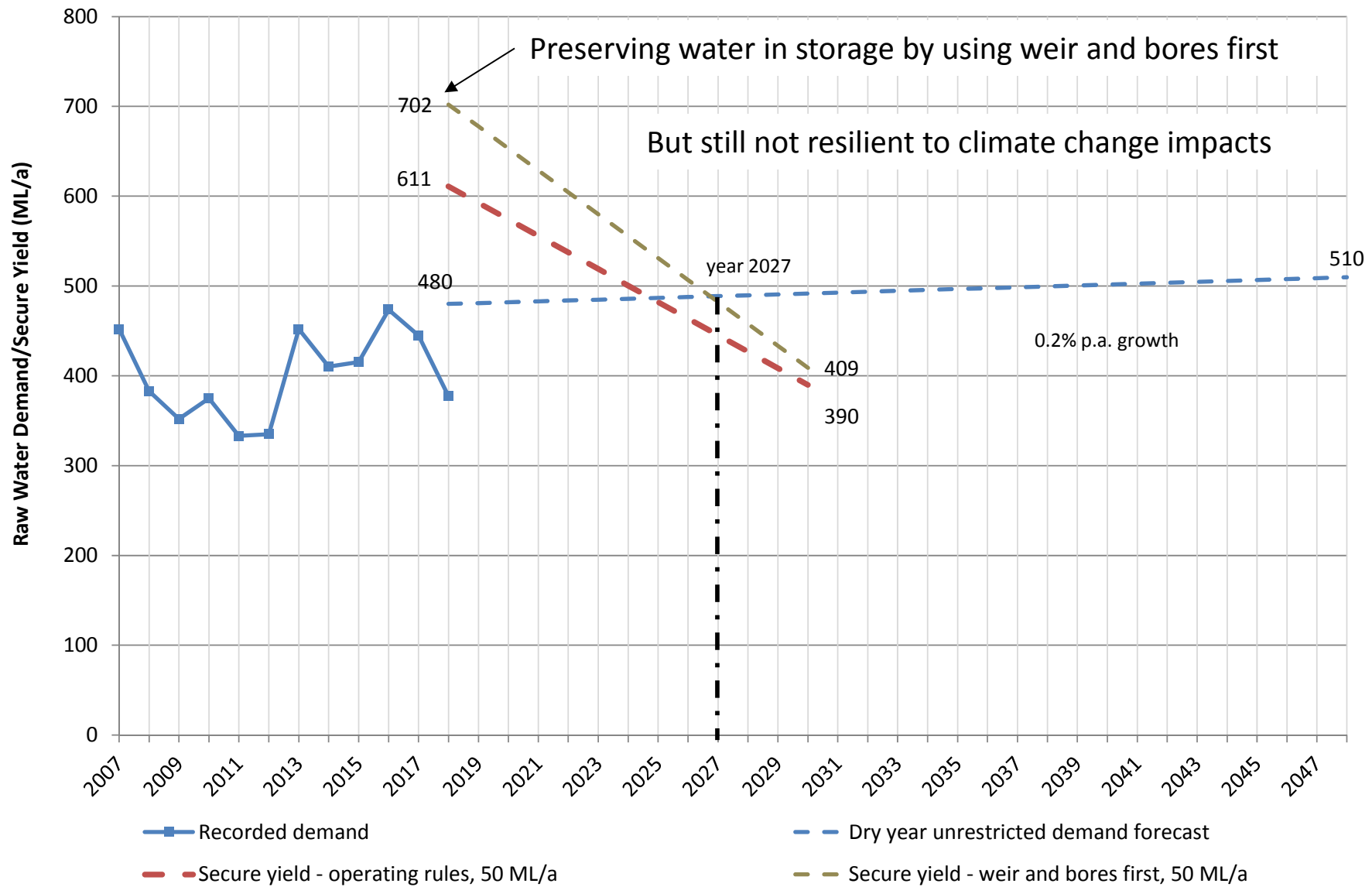
Coonabarabran Water Supply

- Current Response:
 - Groundwater bores – 4 older and 7 new, groundwater licence 50 ML/a
 - Dead storage pumping
 - Groundwater supply concept including pipeline
 - Sustainability of groundwater extraction
 - Raising of Timor Dam – structural concept design
 - Water loss management plan
 - Demand Management Plan
 - Drought Management Plan
 - Secure yield modelling (current and 1°C warming – 2030 for various scenarios)

Current secure yield vs forecast demand



Optimised secure yield vs forecast demand

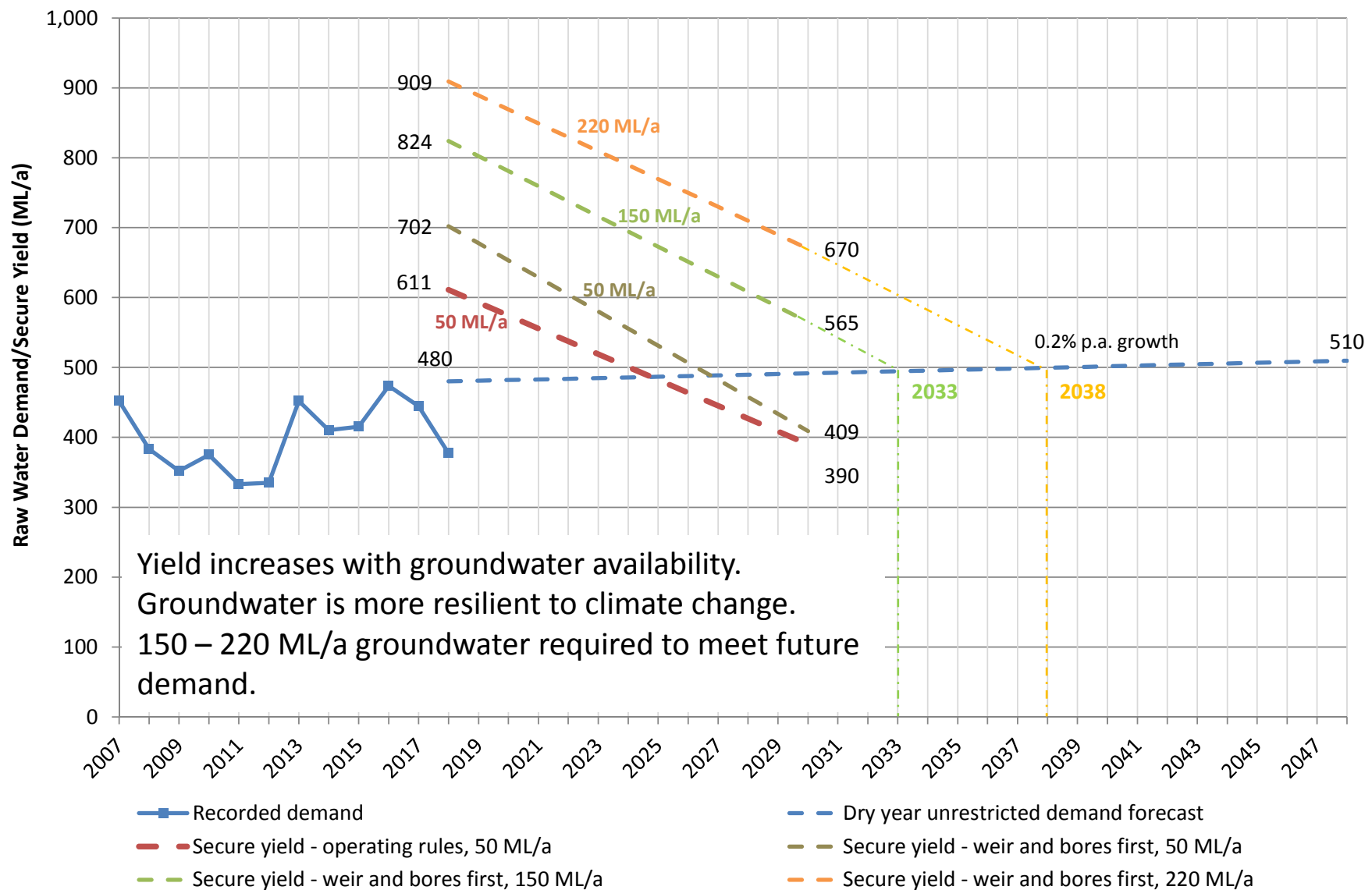




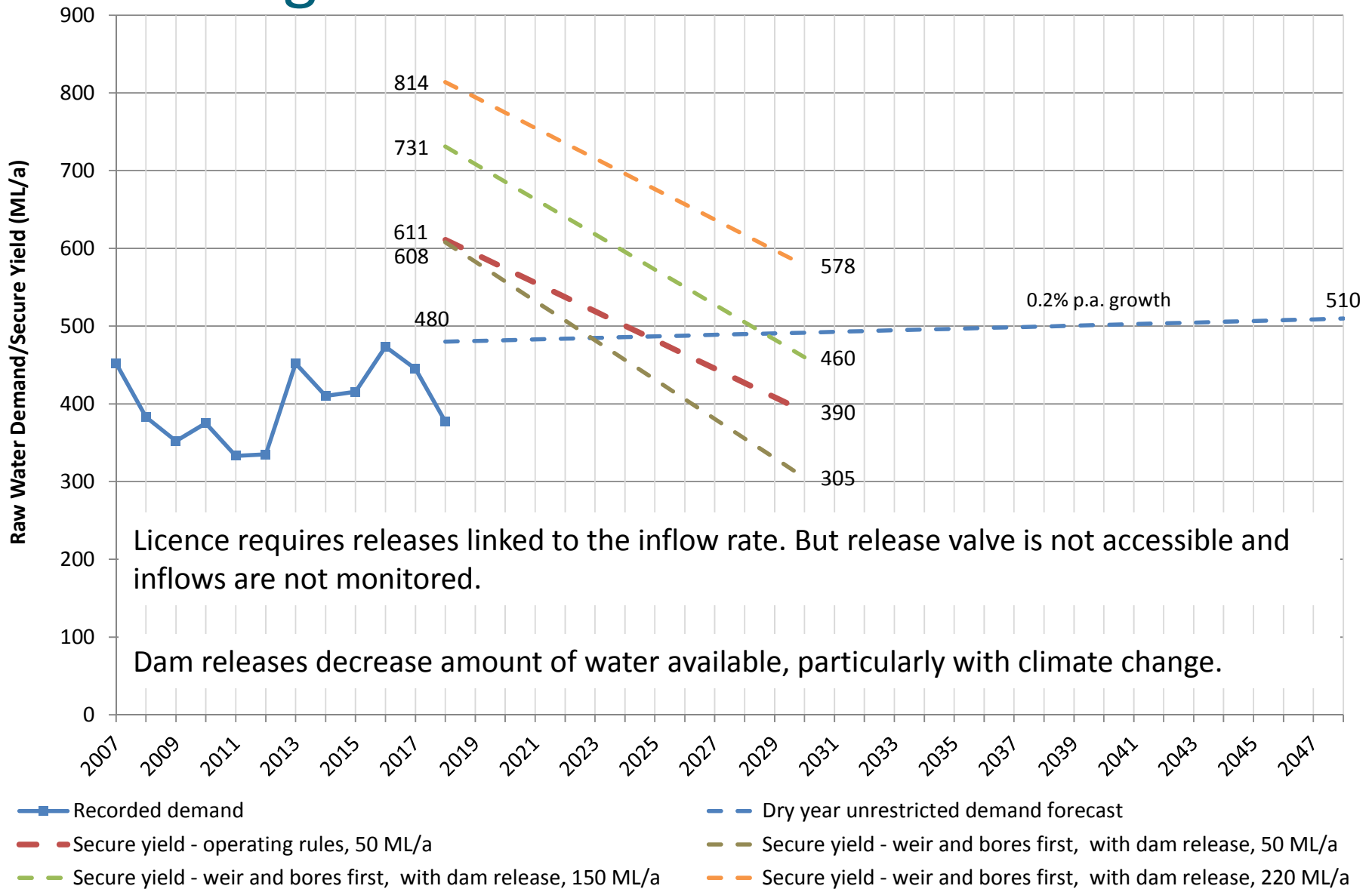
Coonabarabran Water Supply

- Additional considerations:
 - Development of groundwater concept
 - Additional demand management
 - Raising Timor Dam
 - Review of drought management plan

Optimised operation with increased groundwater availability



Allowing for flow releases from dam



Raising Timor Dam 3m

