

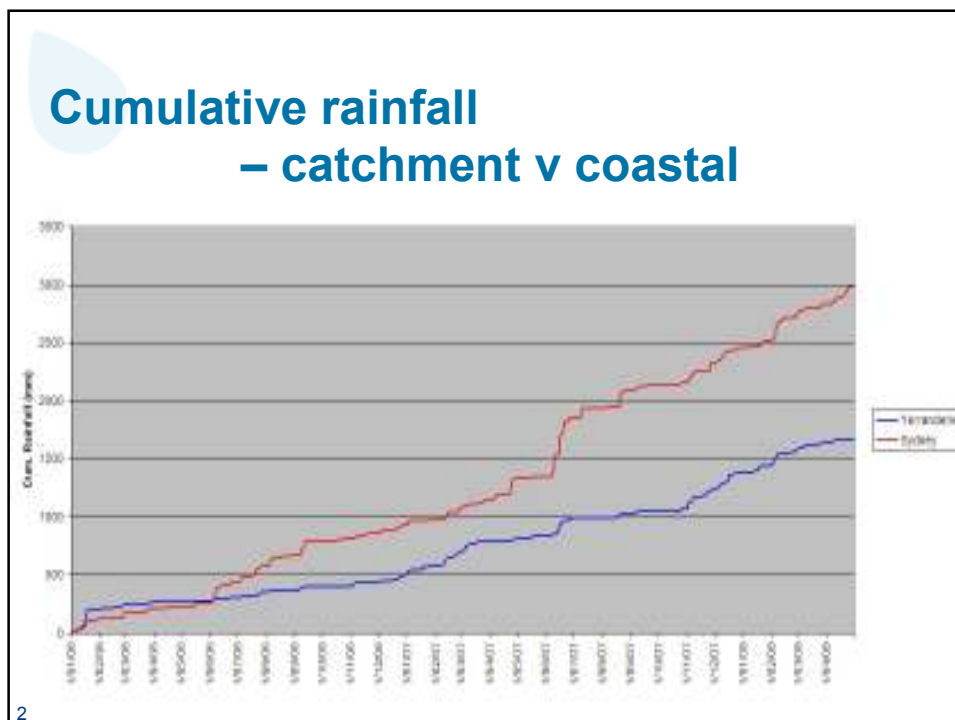
Desalination

Balancing Sydney's water supply and demand

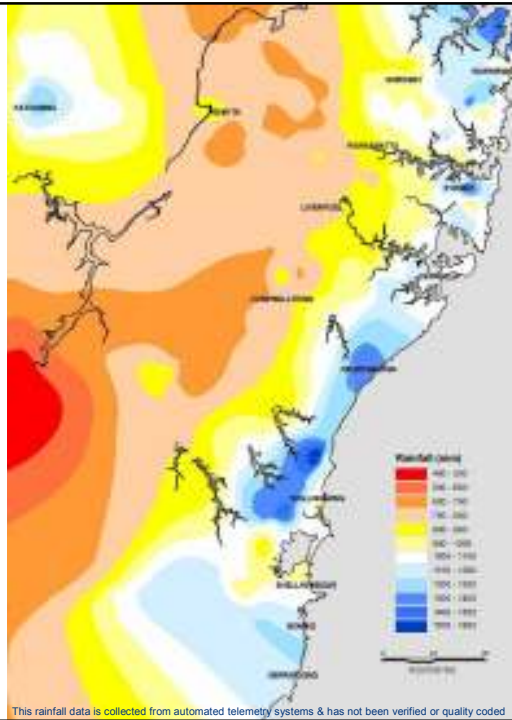
Kerry Schott
 Managing Director, Sydney Water

CEDA Luncheon
 1 September 08

Winner of 2008
 Australian INDUSTRY
 WATER AWARD

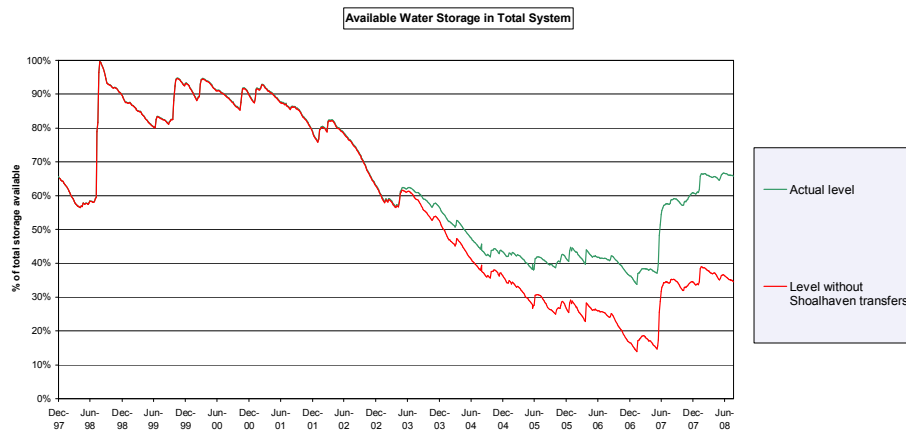


Average annual rainfall Jan 2003 – Jul 2008



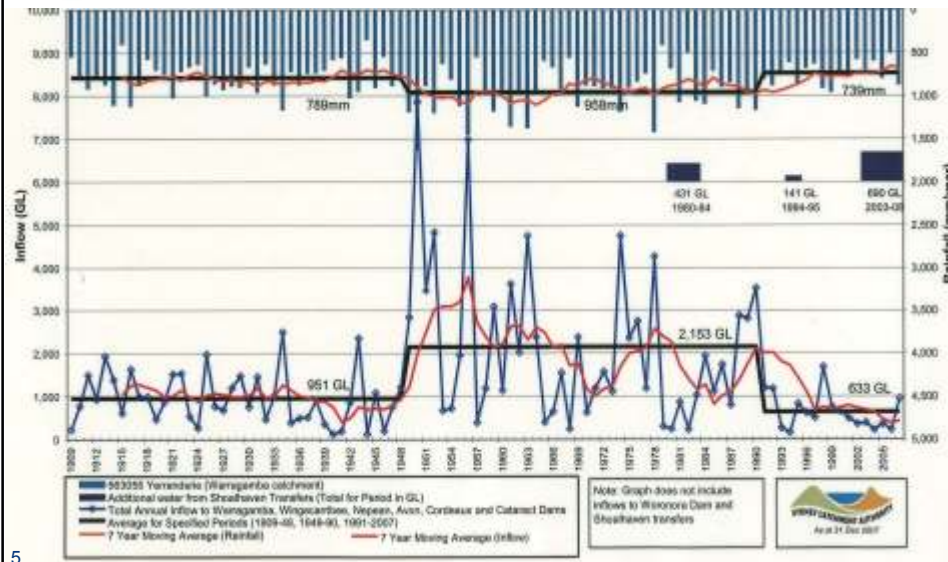
This rainfall data is collected from automated telemetry systems & has not been verified or quality coded

Shoalhaven transfers

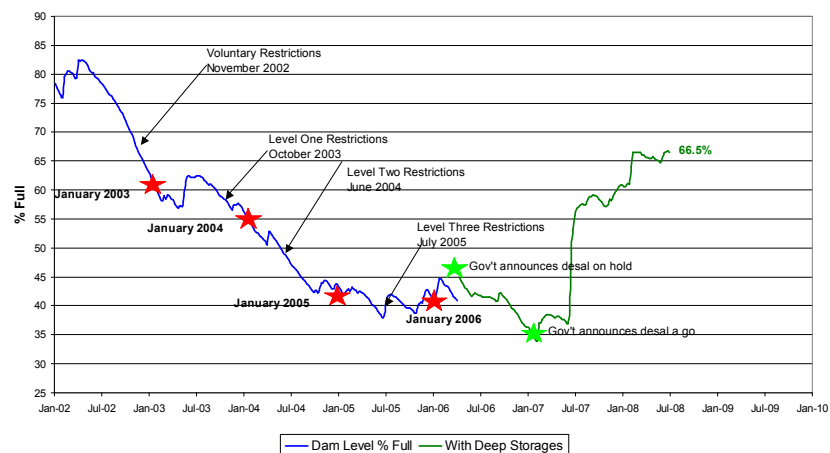


Sydney
WATER

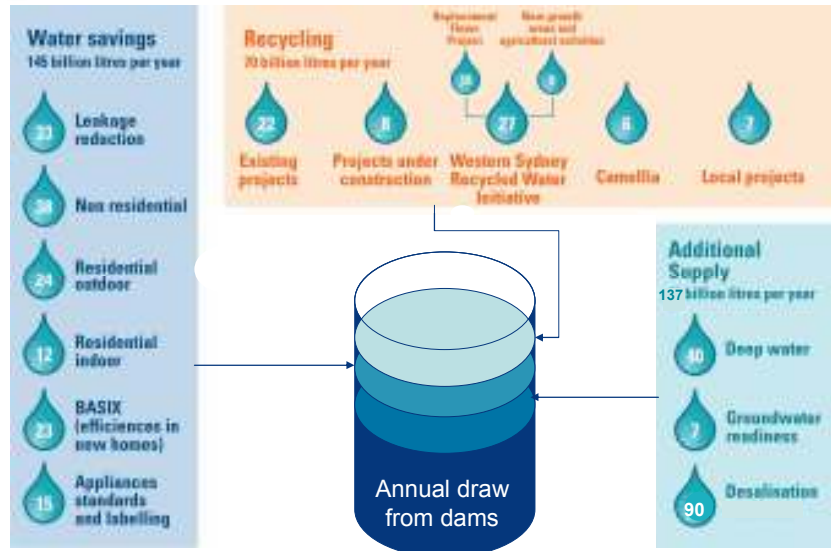
Rainfall vs inflows 1909 - 2008



Dam Levels - Jan 2002 - July 2008

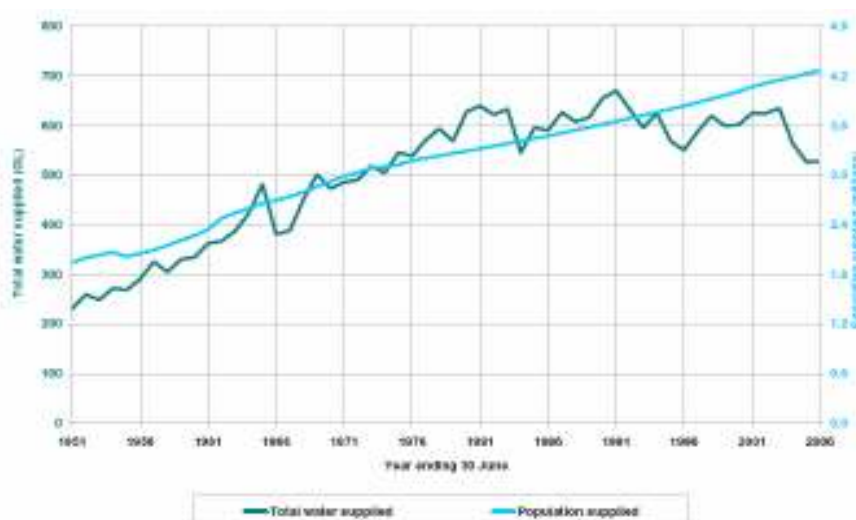


Balancing supply & demand in Sydney



7

Water use and population growth

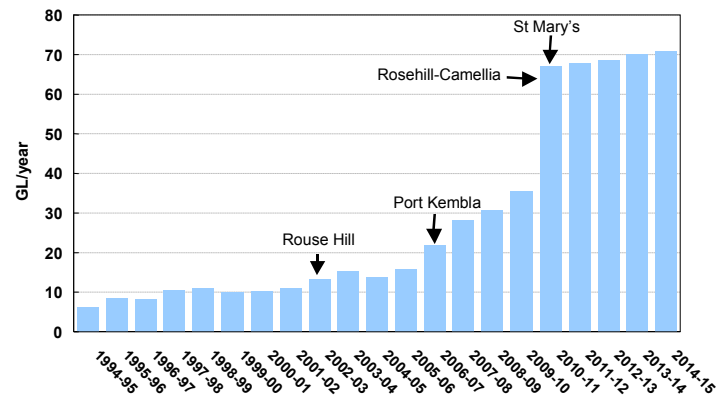


8

Recycling

By 2015, 11-12% of water supply

Actual and forecast volumes of recycled water, gegalitres a year



Sydney
WATER

9

Desalination plant site - July 2008



10

RO building – July 2008



11

TBM – outlet tunnel



12

Jack up barge - Tasman Sea



13

Desalination pipeline route - Kurnell to Erskineville



14

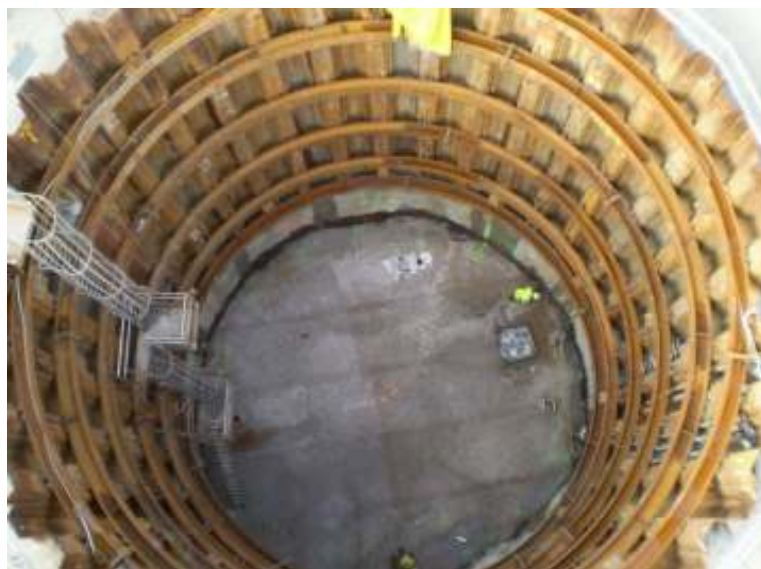
Pipe being laid - Kurnell



Sydney
WATER

15

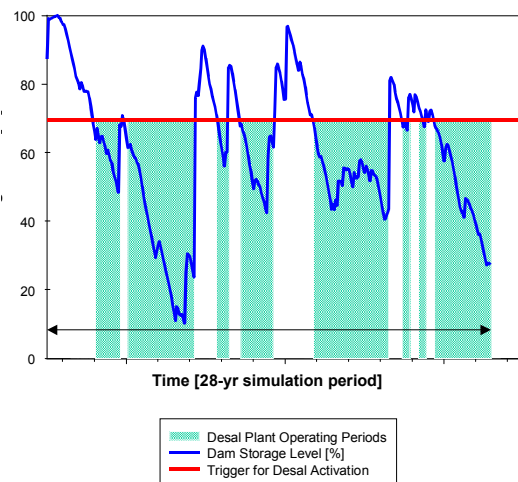
Canal Rd shaft



16

Desalination contribution

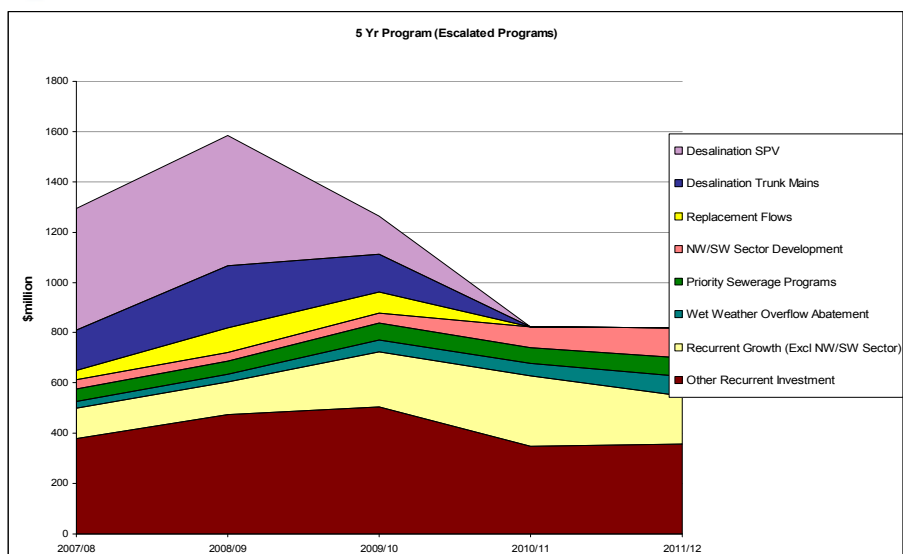
Desalination Plant Operating Rule
70% water storage trigger level



Sydney
WATER

17

Capital Program 2007-08 – 2011-12



18

