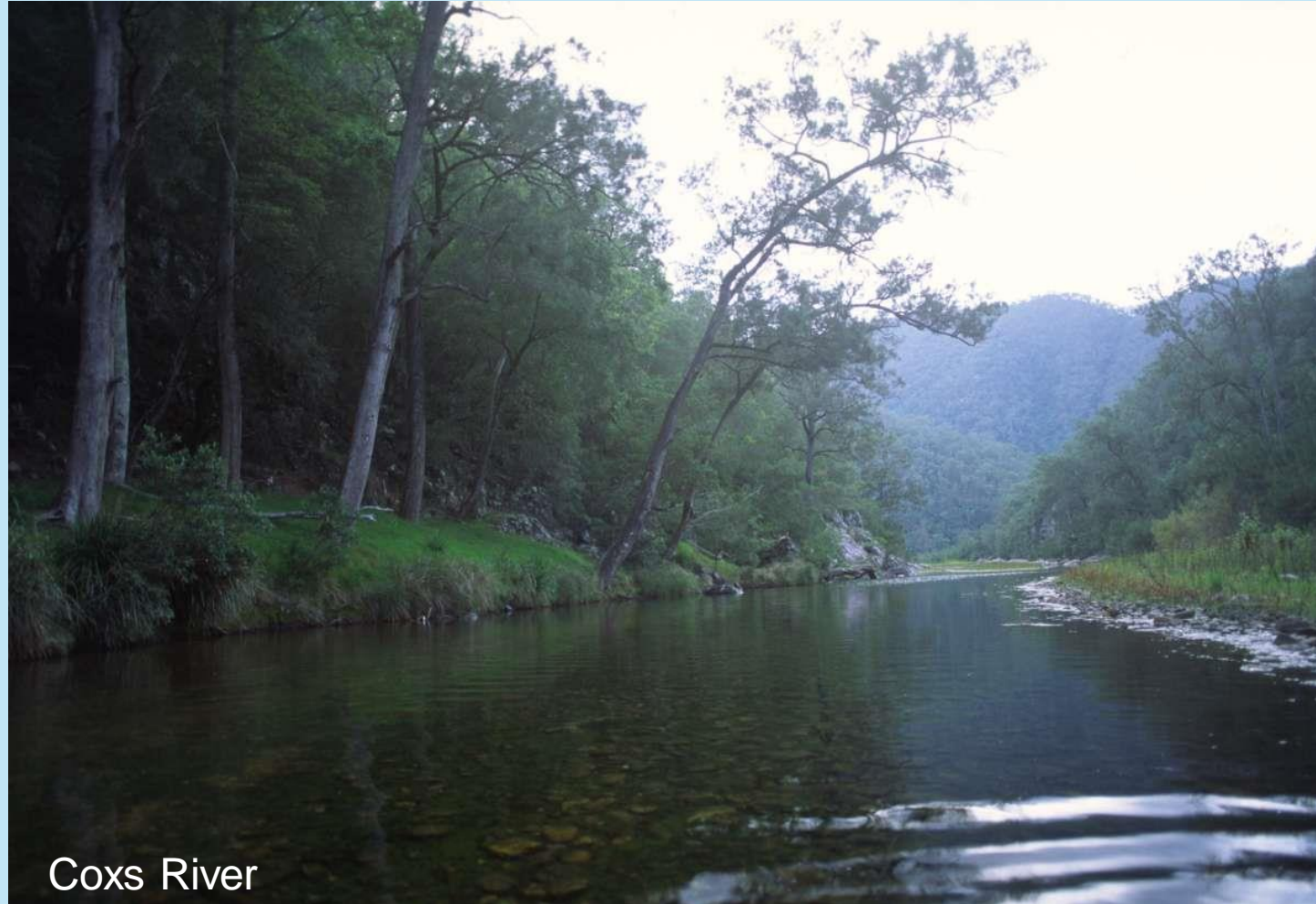


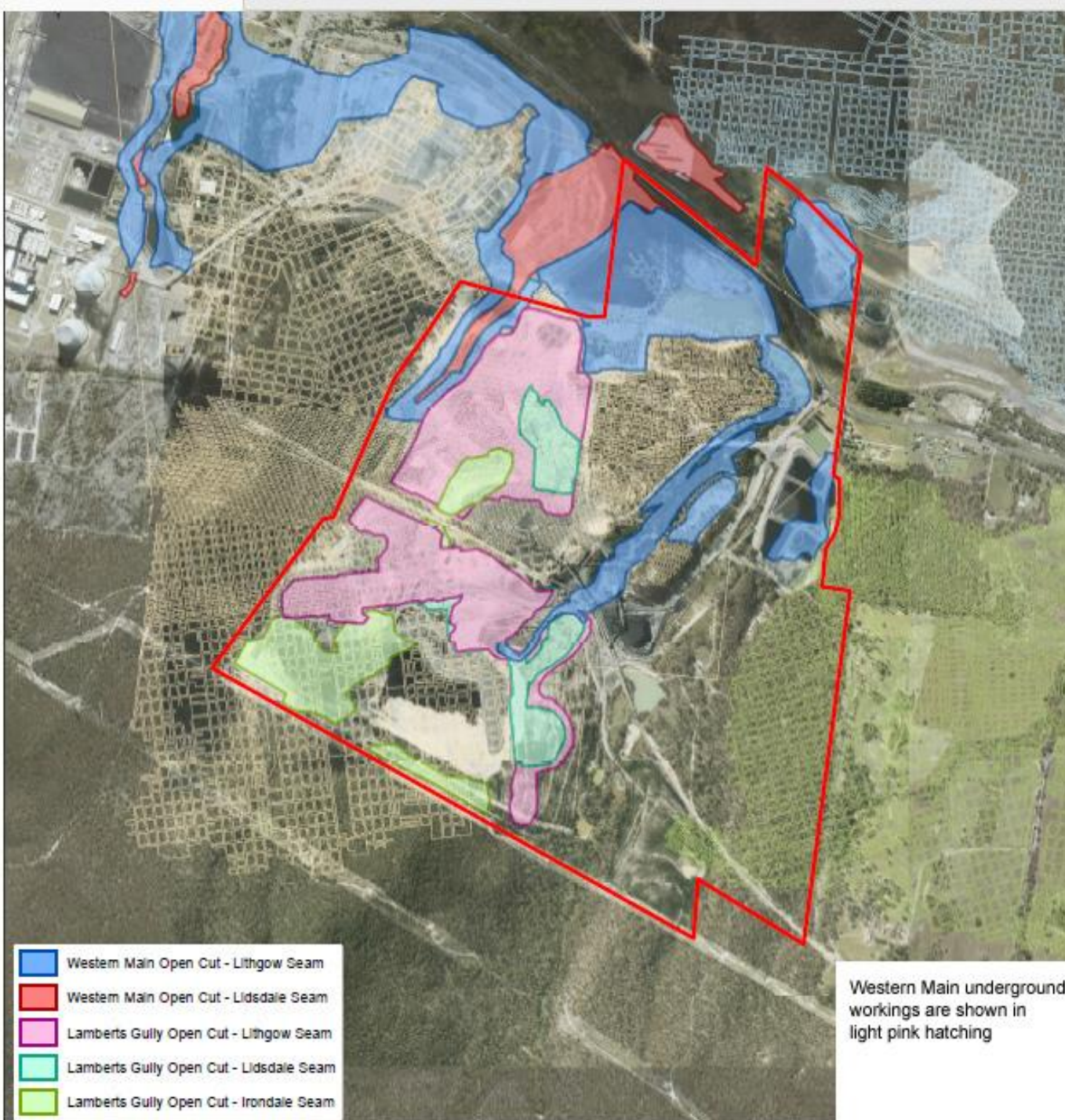
The RO WTP was to end saline mine waste going to Coxs River and through the Greater Blue Mountains World Heritage Area – but has not!



Coxs River

Addressing Waste management constraints through modifications

- Mt Piper and the Springvale WTP are “theoretically” zero release plants – so no impact on Coxs River;
- These plants can deliver a neutral outcome to Sydney’s Water Catchment.
- **... it can be made to work!**



Coal Services Site is porous – underlain by shallow bord and pillar mines or has been open cut.

Water balance est. is that **50% of water inputs goes into groundwater (that's probably conservative).**

Unsuitable for unlined waste emplacement

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NOTE: location of
groundwater and
Wangcol Creek.

Entire project
area subject to
open-cut or
bord and pillar coal
mining.

Implications for pollution
control of salinity are dire.

Non-point salinity pollution
of Wangcol Creek is certain
to increase unless
groundwater intercepted.

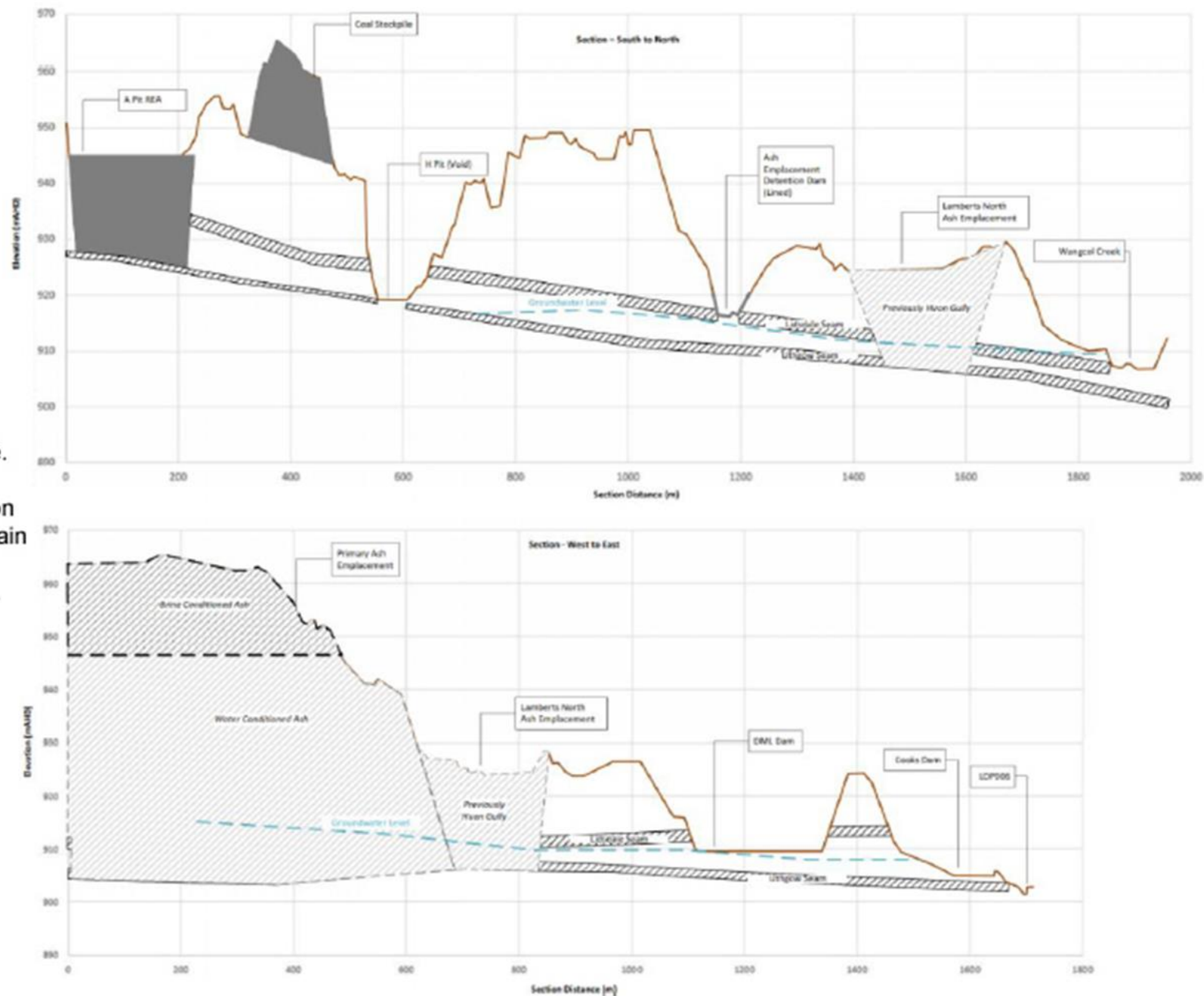


Figure 5-27 Groundwater level cross sections

Springvale – Western Coal Servs.

Salt encrustation 250m north of LDP006 beside the Castlereagh Hwy 9/4/2016 – it means toxic salt reached Wangcol Creek 8 years ago...





Thompsons Creek
Reservoir
discharge into
Lake Wallace 30
September 2023



Thompsons Creek
Reservoir discharge
into Thompsons
Creek 30 September
2023

**Without RO treatment saline mine waste reaches the
Coxs River goes through the Greater Blue Mountains
World Heritage Area and into Lake Burragorang.**

Recommendations

Consent conditions to require:

- **A lined REA and a lined salt repository**
- **divert LDP001 to Springvale WTP;**
- **Only RO mine water surplus treated to a high standard (350EC max.) to be stored in Thompsons Creek off-line reservoir;**
- **Given the difficulty of the Western Coal Services site a more adaptive consent conditions are required**
- **Declaration of WCS site (and the adjoining ash repository) as significantly contaminated land.**

Recommendations continued

Reject SSD 7592 Mod 9, and instead uphold Springvale Water Treatment project as delivering a neutral outcome to the Coxs River in line with the Upper Coxs River Action Plan.

The proposed more or less permanent transfer of filtered untreated mine waste to TCR contaminates the Coxs River catchment and is not a neutral environmental discharge.

Coxs River

