



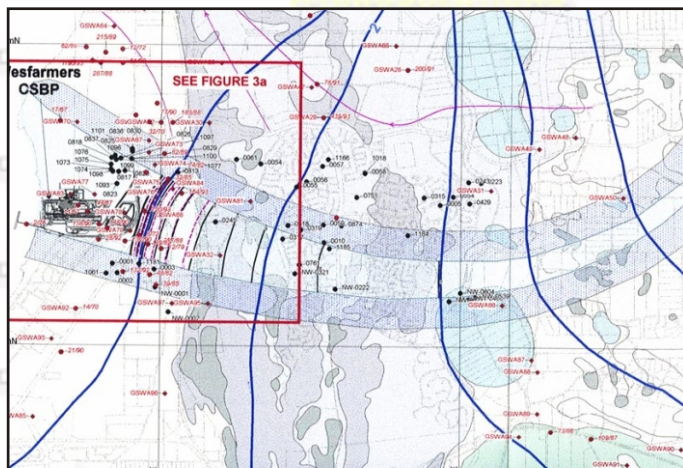
PROJECTS

CONTAMINATED LAND & GROUNDWATER

WESFARMERS CSBP

Groundwater Risk Assessment, Kwinana, WA

A regional groundwater contamination study was undertaken on behalf of Wesfarmers CSBP, to identify potential risks to its ongoing groundwater abstraction operation. CSBP requires a secure source of process water.



The borefield total groundwater catchment area was identified based on recharge and flow-net analysis of published groundwater contour maps.

Sources of known or inferred groundwater contamination were identified from published data augmented by a walk-over survey.

A qualitative summary risk assessment map was compiled to show potential time of impact and uncertainty in catchment definition.

Recommendations were made for:

- Changes to the existing groundwater pumping regime from the borefield
- Improvements in groundwater monitoring,
- A quantitative risk assessment of threats to the borefield/resource.

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