

8. Groundwater

8.1 Summary

A summary of the comments received during the JRYUP EIS consultation process relevant to groundwater issues are outlined below.

- Sufficient information has not been supplied to determine the viability of groundwater as a source of water or the impacts of the use of groundwater will have on existing users of the resource.
- The EIS has identified that other works may affect groundwater resources (such as excavations). Insufficient information has been provided regarding the impact on the groundwater resource to be able to determine any legislative requirements under the *Water Act 2000* or the *Integrated Planning Act 1997*.

8.2 Groundwater supply

It is anticipated that the bulk of construction water supply will be from groundwater (excluding potable water sourced from the town water supply). There are two existing bores in the project area (81402 and 20774), both of which, in their current configuration are unlikely to satisfy the required demand for construction water.

In line with project commitments to minimise impact, investigations are currently underway to determine if a redevelopment of these bores is feasible (increasing depth and diameter to improve yield) as this is seen as the lowest impact option. To supplement this supply the Project is also considering entering into agreement with owners of bores on adjacent properties to supply part of the Project water demands. Should these options prove insufficient, then new bores will be developed (possibly 3 to 4 locations) spaced along the length of the Project. It is recognised that there are permitting issues associated with developing new bores and they would be addressed (if required) once the investigation has been completed.