

▷ **Dewatering systems**

Deepwell systems
Ejector systems
Wellpoint systems



WJ specialises in the control and treatment of groundwater. Dewatering systems are employed to lower groundwater levels around excavations. These systems may also be used to renovate contaminated aquifers. WJ offers cost effective solutions to groundwater problems with a record of project completion to budget and programme.

Wellpoint systems

Single and multi-stage wellpoint systems for groundwater control and water supply.

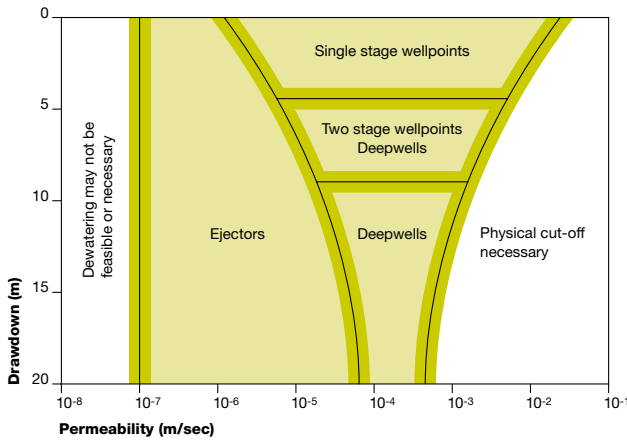
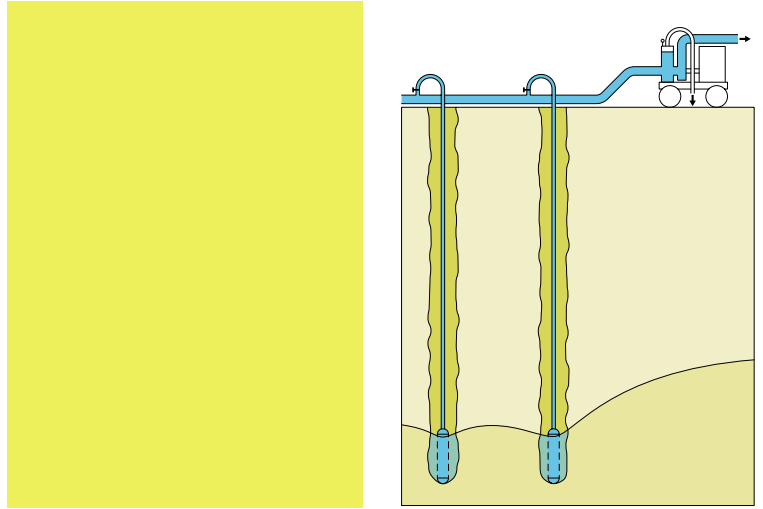
Deepwell systems

Deepwell systems using multi-stage electric submersible borehole pumps for groundwater lowering and relief of artesian pressures.

Ejector systems

Ejector dewatering for vacuum assisted drainage and pore pressure relief in fine soils.

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Groundwater monitoring and investigation

- Standpipes and piezometers
- Flow meters and weir tanks
- Alarm and telemetry systems
- Dataloggers and pumping tests
- Groundwater sampling and analysis

Groundwater pollution control

WJ is experienced in the application of dewatering technology for the protection of aquifers and the in situ renovation of contaminated land and groundwater. WJ specialises in the provision of pump and treat systems for water, free product and pore vapour recovery.

- Groundwater extraction
- Recharge schemes
- Water treatment
- Gas wells
- Vapour treatment

Consultancy services

Expert advice is available on the design, installation and operation of dewatering and recharge systems for the control, protection and renovation of contaminated groundwater.

- Assessment of site investigation data
- Investigation of settlement risks
- Computer modelling of drawdown profiles
- Slope stability studies
- Design of earth retaining structures