

RESIDENTIAL AND INFRASTRUCTURE DEVELOPMENT

- 2004** **Hydrogeological impact of new town development, Googong, NSW** – Assessment of hydrogeological conditions and potential impact of Act water supply from Googong Dam.
Hydrogeological Study – Portland Landfill.
- 2003** **Parramatta-Chatswood Rail Link, NSW.** Review of Groundwater Management Plan – for Thiess Hochtief Joint Venture
Western Sydney Orbital Road. Review of groundwater conditions – for SMEC / Maunsell Joint Venture.
Sydney Cross-City Tunnel. Independent Verification, groundwater issues and groundwater modelling – for Hyder Consulting (Australia) Pty Ltd
Energy Australia Tunnel, Sydney. Impact of groundwater inflows on durability of concrete and steel – in a tunnel through sandstone and the Great Sydney Dyke – for Pells Sullivan Meynink Pty Ltd.
Eastern Freeway, Victoria. Review of groundwater issues and technical review of tenders for a large motorway tunnel – for Vic Roads.
- 2002** **Parramatta-Chatswood Rail Link, NSW.** Re-assessment of hydrochemical conditions and predicted salinity and iron/manganese content of groundwater inflow to proposed tunnel. Assessment of discharge and disposal options – for Ove Arup / Transfield.
Parramatta-Chatswood Rail Link, NSW. Peer review of assessment (SMEC) of hydrogeological conditions and predictions of groundwater inflow to tunnel, including review of numerical groundwater flow modelling – for SMEC / Boulderstone-Hornibrook.
- 2001** **Bulk relining of sewers in the Hawkesbury-Nepean Area.** Assessment of environmental impacts and preparation of REFs – for Thiess Services / Sydney Water.
Blue Mountains Sewage Tunnel, NSW. Investigation of cause, assessment of environmental impact and recommendations for remedial action following large inflows of groundwater to bored sewer connections in Leura – for Sydney Water.
Coalbed Methane Recovery, Sydney Basin. Assessment of Groundwater Impacts at Cawdor (Camden) - for Sydney Gas Operations P/L
Daroolbalgie - Forbes Groundwater Investigations. Groundwater impacts of rural infrastructure development – for Terra Consulting Pty Ltd
- 2000** **Proposed Parkes Hub, NSW.** Assessment of groundwater impacts of proposed railfreight interchange.
- 1998** **Proposed Freight Interchange, Dubbo, NSW.** Assessment of groundwater impacts.
- 1997** **Groundwater Resources Study, Dubbo, NSW.** Assessment of groundwater resources available for prospective industrial subdivision - for Terra Sciences Pty Ltd and Dubbo City Council.
Groundwater Vulnerability Study, Dubbo, NSW. Potential groundwater impacts of proposed industrial subdivision (Candidate Area 3) - for Terra Sciences Pty Ltd and Dubbo City Council.
M5 East Motorway, Sydney, NSW. Review of potential groundwater impacts and subsidence risk – for the Roads and Traffic Authority.
- 1995** **Keswick Environmental Assessment and Structure Plan, Dubbo.** Assessment of impacts of proposed rezoning and urban development on groundwater resources, including assessment of aquifer vulnerability to surface-derived pollution, and impact on groundwater recharge.

M5 East Environmental Impact Statement. Preparation of a supplementary report providing an assessment of hydrogeological conditions and hazards relating to soil erosion, acid sulphate soils and the potential for groundwater contamination - for Connell Wagner and the Roads and Traffic Authority.

1990 - 94 Rural Residential Subdivision, Oberon, NSW. Assessment of groundwater availability and impacts of on-site waste disposal, review of wastewater treatment options - for a confidential client.

Horizons Resort, Salamander Bay, NSW. Assessment of the impact of residential and resort development on groundwater and wetlands - for Gutteridge Haskins and Davey Pty Ltd.

Environmental Study, Wallagoot Lagoon, Bega, NSW. Study of the impact of subdivision of agricultural land on a coastal lagoon - for Bega Valley Shire Council.

Wastewater Disposal, Hartley Valley, NSW. Investigation of ground conditions for on-site disposal of wastewater on 47 blocks of a proposed subdivision. Specification of wastewater treatment system to meet stringent discharge requirements - for John Bowden and Co.

Wastewater Disposal, Springwood, NSW. Appraisal of site conditions for disposal of treated effluent from a macrophyte wastewater treatment system at Waratah retirement village, including representation at a successful appeal in the Land and Environment Court - for Frank Hudson.