



## PROJECTS

### ENVIRONMENTAL AUDIT

Audit 9

## OK TEDI MINES LTD, Water Quality Review



Photo courtesy of Ok Tedi Mines Ltd

A review of the Industrial Sites Management Water Monitoring Program was undertaken on behalf of OTML.

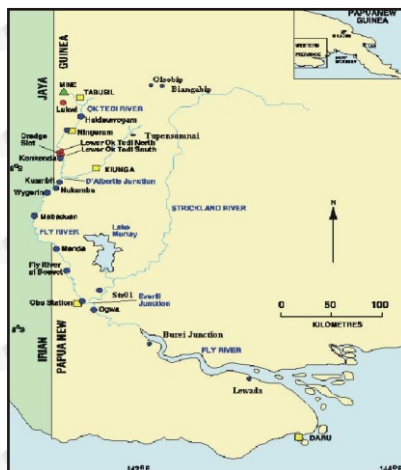
The study included a review of relevant PNG legislation relating to water quality monitoring, including the Mining Code of Practice & the Environment Act.

Monitoring data was available over a 3-year period, including surface water flow and quality in the Fly & Ok Tedi rivers, and groundwater data.

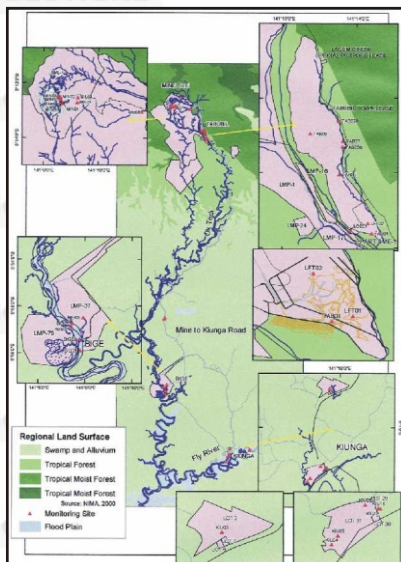
For each discharge point, water quality was compared to applicable environmental standards. Areas of apparent non-compliance were identified. Recommendations were made for further assessment/ investigation and/or changes to the monitoring suite.

A review of sampling and laboratory analytical protocols was undertaken. Recommendations were made for improved sampling protocols, and the implementation of improved quality assurance procedures.

Analytical results from two laboratories were compared, and recommendations made for improvements in reporting & QA/QC procedures.



Figures courtesy of Ok Tedi Mines Ltd



Hydrosolutions Pty Ltd  
U14/14 Whyalla Street  
Willetton  
Western Australia 6155  
Tel: (+61 8) 9457 5448  
Fax: (+61 8) 9457 4293  
Mob: 0403 021533  
E-mail: [stuart.jeffries@hydrosolutions.com.au](mailto:stuart.jeffries@hydrosolutions.com.au)  
Website: [www.hydrosolutions.com.au](http://www.hydrosolutions.com.au)