

PROJECT DATA

Dam Monitoring, Surveys and Reporting

CLIENT	Hydro Tasmania
PROJECT LOCATION	Tasmania, Australia
DATE OF PROJECT	2001
SERVICES PROVIDED	Monitoring Surveys and Presentation of Results



For the past 40 years Hydro Tasmania's Survey and Geographic Information Services group (S&GIS) has provided a survey and reporting role to the Hydro's continuing assessment of its 54 referable dams.

The results of the surveys present to the client the respective movements of the established monitoring points on each structure with respect to historical data. This information and associated engineering assessment form the basis for the continuing monitoring of each structure.

The measurement phase utilised S&GIS's high order precision suite of instruments, including the Kern Mekometer ME5000 laser-measuring instrument and Leica's sub-second electronic theodolite and NA2000 electronic level.

S&GIS undertake rigorous field procedures so as to ensure the integrity of the produced results.

The field data was processed using in-house developed and verified programs to produce the respective movements with respect to the previous and initial surveys. The movements that were reported on were for the downstream and transverse directions as well as for settlement.

LEADERS IN CONSULTABILITY



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