



PREPARED FOR

**Michael Whitty
Eidsvold Siltstone
PO BOX 50
Eidsvold QLD 4627**

PREPARED BY

W Kwiecien
Cert Chem, ADipAppChem, BAppSc, MAppSc

**School of Natural Resource Sciences
Queensland University of Technology
GPO Box 2434
Brisbane Qld 4001
phone: 07 38642323
fax: 07 38641535
e-mail: w.kwiecien@qut.edu.au**

REPORT ON

Analysis of Eidsvold Siltstone for clay content

29th May, 2001

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**Faculty of Science
Queensland University of Technology**

GARDENS POINT CAMPUS 2 GEORGE STREET GPO BOX 2434 BRISBANE Q 4001 AUSTRALIA PHONE (07) 3864 2111 FAX (07) 3864 1508

Campuses: Gardens Point (city), Kelvin Grove, Carseldine **World Wide Web:** <http://www.qut.edu.au/> **ABN:** 83 791 724 622
QUT International: Victoria Park Road Kelvin Grove Q 4059 Australia Phone +61 7 3864 3142 Fax +61 7 3864 3529

1.0 INTRODUCTION

A small slab and a sample of powdered Eidsvold Siltstone were received from your organization and it was requested to determine the swelling clay content and examine the sample under the scanning electron microscope. The QUT project identification number given is as follows:

M. Whitty-QUT 1/2001

Your reference: **Order No**

2.0 ANALYTICAL PROCEDURE

The clay content was determined on the powdered sample using x-ray diffraction analysis and the data was quantified using the Siroquant Quantitative X-ray Analysis software package. SEM photographs were taken from two chip samples from the tile slab sample.

3.0 Results

Quantitative x-ray diffraction results indicate the sample contains no detectable quantities of swelling clays. The mineral phases identified are as follows

Quartz	59.2%
Kaolinite	36.4%
Illite	4.4%

SEM photographs and x-ray data are enclosed.



W KWIECIEN
Technologist, Geochemistry
School of Natural Resource Sciences
Faculty of Science
Queensland University of Technology