

# DEPARTMENT OF MINES SOUTH AUSTRALIA



GEOLOGICAL SURVEY  
MINERAL RESOURCES DIVISION

## METROPOLITAN ADELAIDE CONSTRUCTION MATERIALS STUDY SURVEY OF EXISTING QUARRIES

by

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MINERAL RESOURCES DIVISION

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INTRODUCTION

The Geological Survey has commenced a comprehensive study of construction materials resources in the Adelaide metropolitan area. As existing sources of supply are not fully covered by Departmental files, a survey of all quarries was proposed to provide a basis for the investigation.

Preliminary work for this was carried out by the authors while employed as Student Geologists in the 1970-1971 vacation.

AIR PHOTOGRAPH EXAMINATION

The area under study covered the following four 1:63,360 standard map sheets.

Gawler	photography used flown on	8/8/63
Adelaide	" " " "	28/6/67
Echunga	" " " "	12/10/67
Milang	" " " "	18/11/65.

Quarries were located using these photographs with stereoscopic coverage. All quarries and suspected quarries seen were marked on County maps, the marking indicating the approximate size and shape of the quarry. All or parts of

Counties Adelaide, Gawler, Hindmarsh, Light and Sturt were covered.

Details of the County, Hundred and Section location of each site were recorded on 6" x 4" lined cards so that additional information can be added as the quarries are checked in the field. About 1,000 quarries altogether were recorded.

All openings seen in the stereoscopic models were recorded even though it was realised that some of these may be dry or abandoned farm dams or excavations for other purposes.

Despite the care taken in the study of photographs it is probable that some small and particularly over-grown quarries were missed.

#### SUMMARY AND CONCLUSIONS

All major and almost all of the minor quarries in the area studied have been located.

Field checking of openings carded is now necessary to establish whether they are in fact quarries and if so to record details of the material being won, the operators name etc.

*T.R. Michelmore*  
*S.R. Robertson* *per report.*

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