


 TASMANIAN ACID DRAINAGE RECONNAISSANCE
**GEOCHEMICAL DISTRIBUTION OF
 POTENTIAL ACID FORMING ROCKS HOSTING
 ABANDONED MINES IN TASMANIA**

SCALE 1:500000



GCS: Australian Map Grid, Zone 55

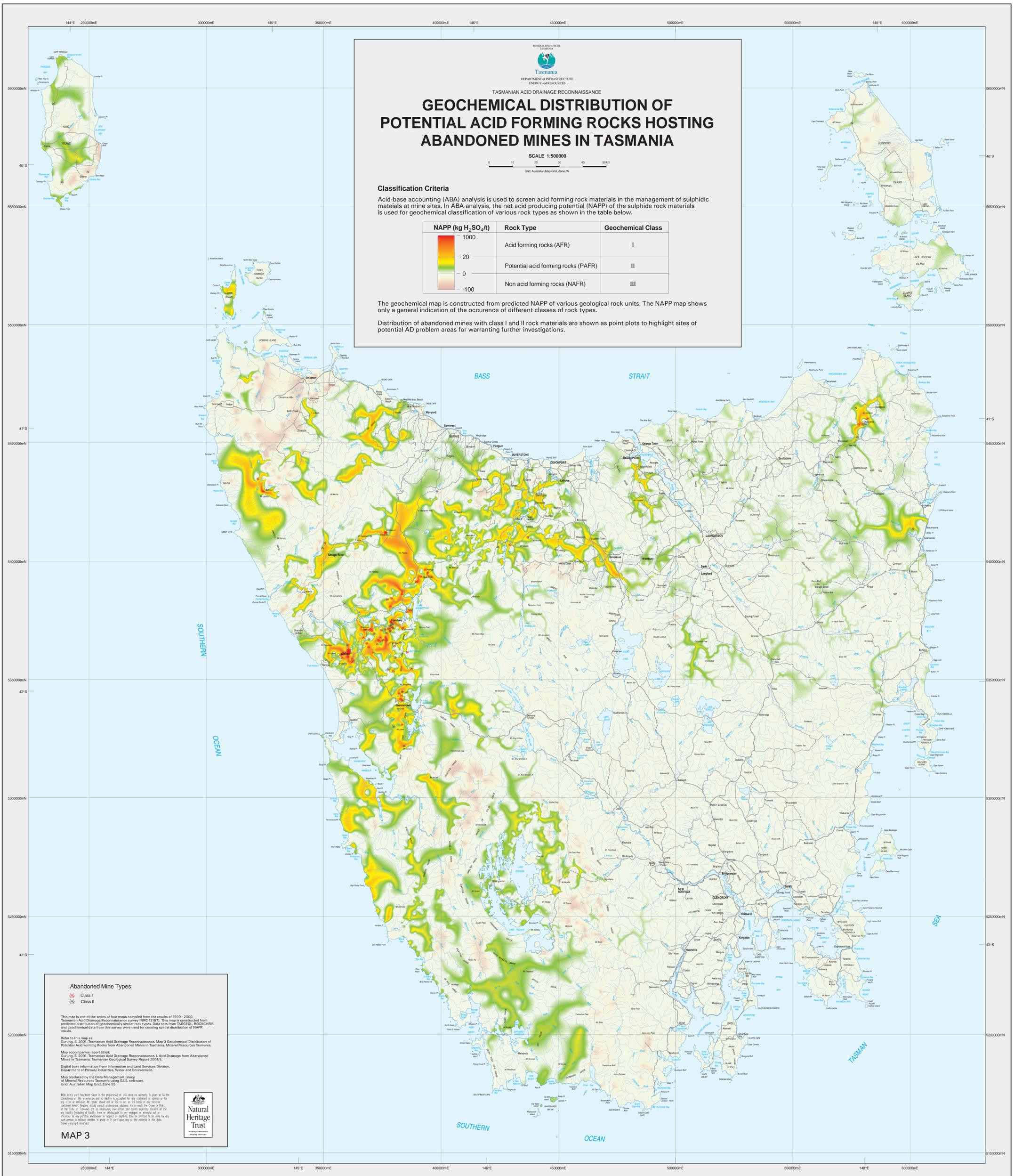
Classification Criteria

Acid-base accounting (ABA) analysis is used to screen acid forming rock materials in the management of sulphidic materials at mine sites. In ABA analysis, the net acid producing potential (NAPP) of the sulphidic rock materials is used for geochemical classification of various rock types as shown in the table below.

NAPP (kg H ₂ SO ₄ /t)	Rock Type	Geochemical Class
1000	Acid forming rocks (AFR)	I
20	Potential acid forming rocks (PAFR)	II
0	Non acid forming rocks (NAFR)	III
-100		

The geochemical map is constructed from predicted NAPP of various geological rock units. The NAPP map shows only a general indication of the occurrence of different classes of rock types.

Distribution of abandoned mines with class I and II rock materials are shown as point plots to highlight sites of potential AD problem areas for warranting further investigations.



Abandoned Mine Types

- Class I
- Class II

This map is one of a series of four maps compiled from the results of 1999 - 2000 Tasmanian Acid Drainage Reconnaissance survey (MRC 13187). This map is constructed from predicted distribution of geochemically similar rock types. Data sets from TAGSOL, ROCKCHEM, and geochemical data from this survey were used for creating spatial distribution of NAPP values.

Refer to this map as:
 Gunning, S. 2001. Tasmanian Acid Drainage Reconnaissance, Map 3: Geochemical Distribution of Potential Acid Forming Rocks from Abandoned Mines in Tasmania, Mineral Resources Tasmania.
 Map accompanies report titled:
 Gunning, S. 2001. Tasmanian Acid Drainage Reconnaissance, II: Acid Drainage from Abandoned Mines in Tasmania, Tasmanian Geological Survey Report 2001/10.

Digital base information from Information and Land Services Division, Department of Primary Industries, Water and Environment.

Map produced by the Data Management Group of Mineral Resources Tasmania using GIS software.

Grid: Australian Map Grid, Zone 55.

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MAP 3