

1980/41. Applied geophysics in Tasmania - Summary of surveys

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This report lists files, reports or publications held in the public domain by the library of the Department of Mines in Hobart which include details of geophysical surveys. The surveys may be related to mineral exploration, site investigation, groundwater or research topics and they have been referenced by method used rather than survey purpose.

This list is not necessarily complete and some omissions may have occurred due to re-organisation of the filing system or the non receipt of some company data. It is known that some reports are cross-referenced in the data available, but were not received by the department. Such reports are not listed.

This edition of the summary (the fourth, compilation date 1.11.80) will be the last, since the entire library reference system is now being overhauled to provide a comprehensive and reliable data base, and in future the information contained here will be sought through card or computer searches by general location, source of data, or geophysical method.

The guide maps are intended to assist searches and should not be regarded as precise indicators of location.

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Table 1. BIBLIOGRAPHY OF GEOPHYSICS REPORTS, TASMANIA

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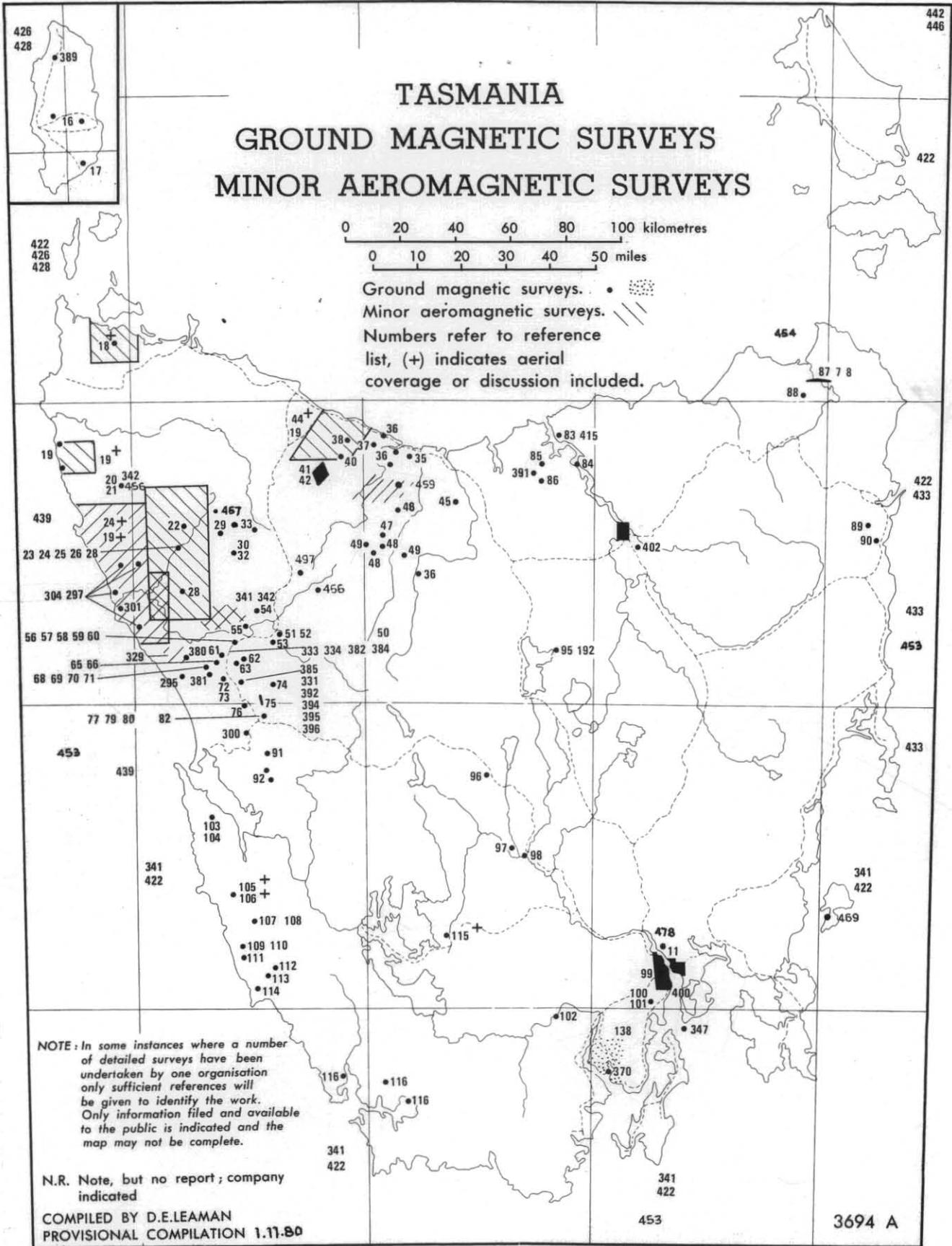
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5 cm

TASMANIA GROUND MAGNETIC SURVEYS MINOR AEROMAGNETIC SURVEYS

0 20 40 60 80 100 kilometres
0 10 20 30 40 50 miles

Ground magnetic surveys. •
Minor aeromagnetic surveys. //
Numbers refer to reference list, (+) indicates aerial coverage or discussion included.

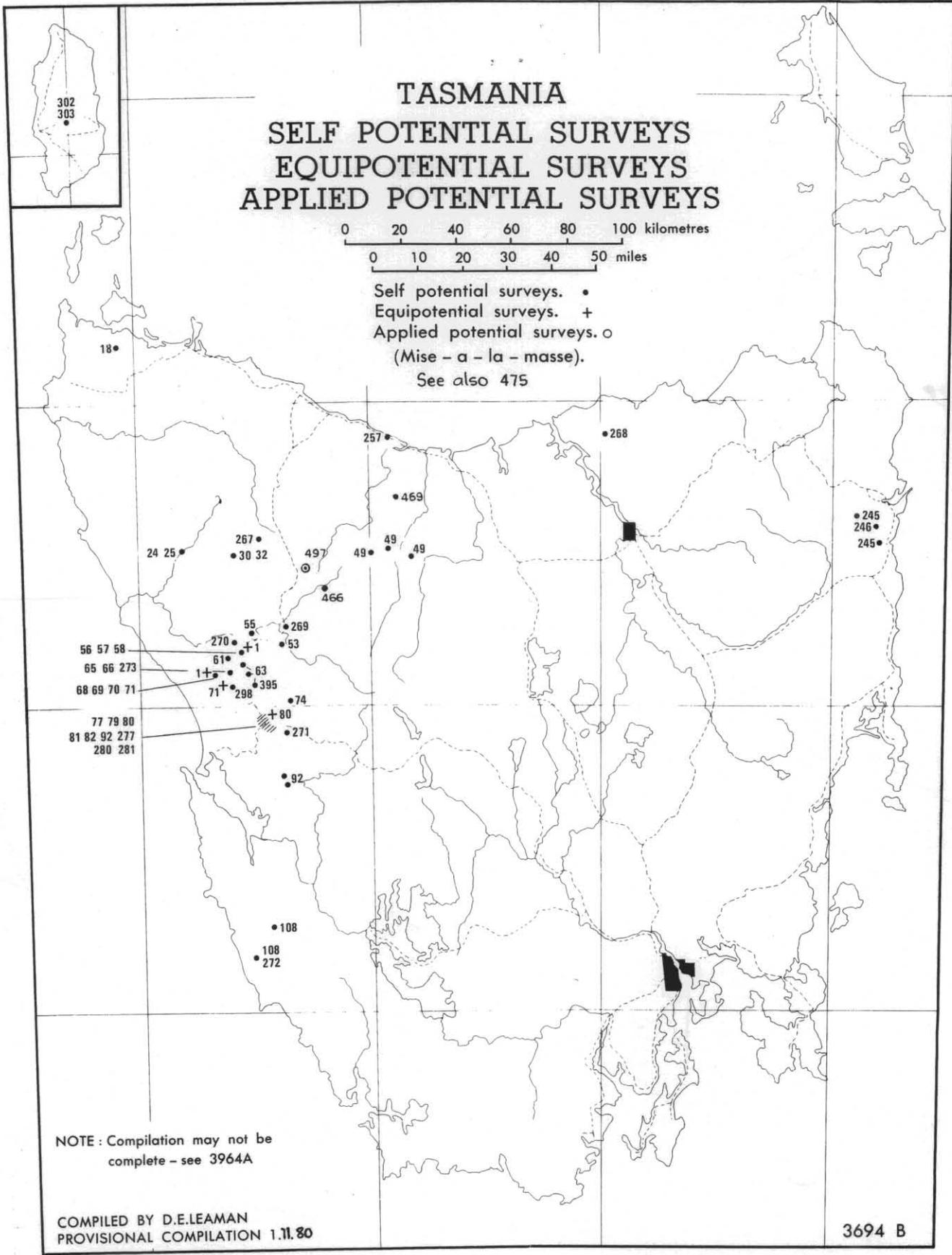


5 cm

TASMANIA SELF POTENTIAL SURVEYS EQUIPOTENTIAL SURVEYS APPLIED POTENTIAL SURVEYS

0 20 40 60 80 100 kilometres
0 10 20 30 40 50 miles

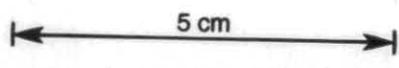
Self potential surveys. •
Equipotential surveys. +
Applied potential surveys. o
(Mise - a - la - masse).
See also 475



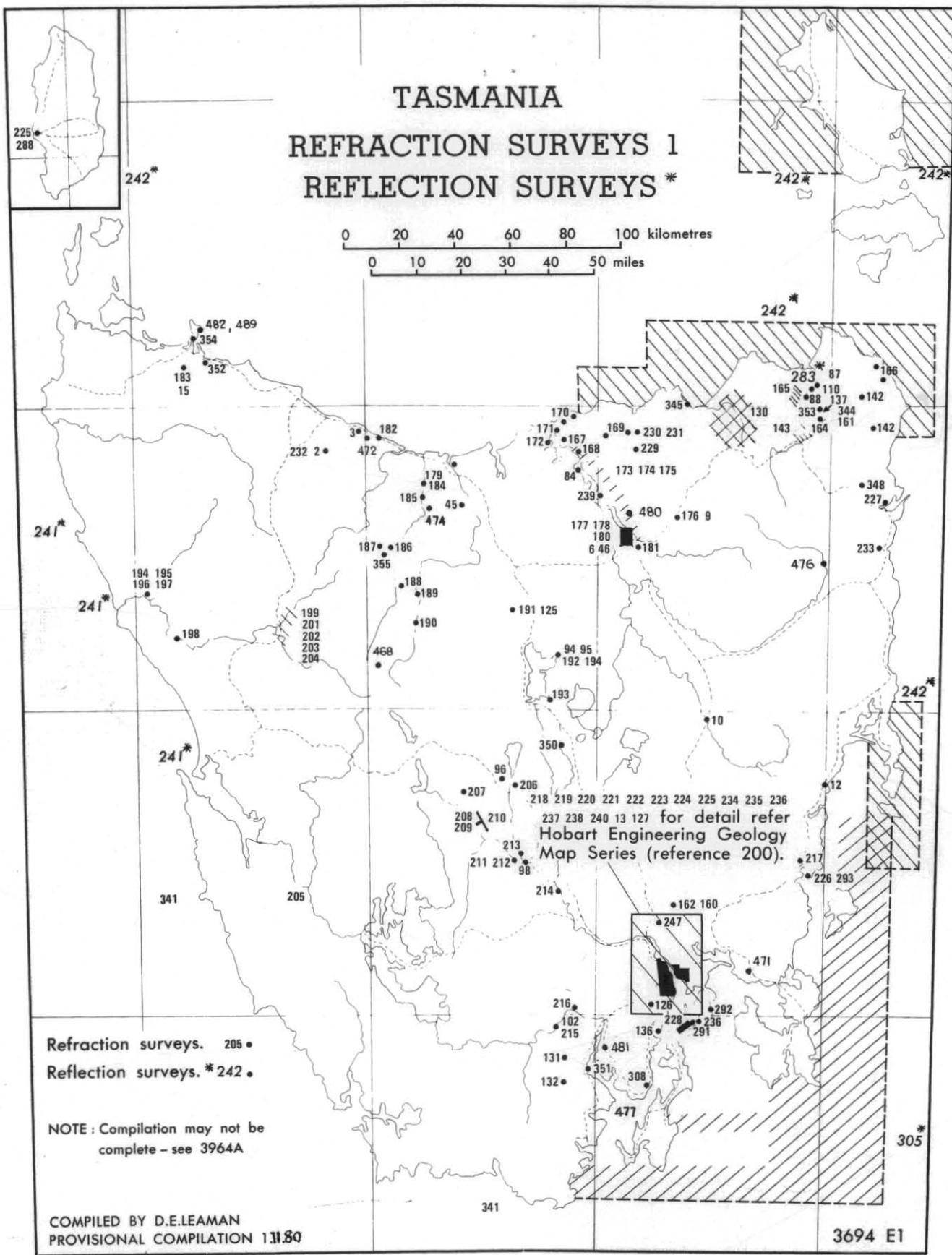
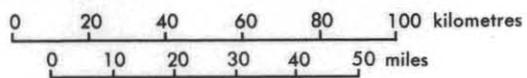
NOTE: Compilation may not be complete - see 3964A

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PROVISIONAL COMPILATION 1.11.80

3694 B



TASMANIA REFRACTION SURVEYS 1 REFLECTION SURVEYS *



Refraction surveys. 205 •
Reflection surveys. *242 •

NOTE: Compilation may not be complete - see 3964A

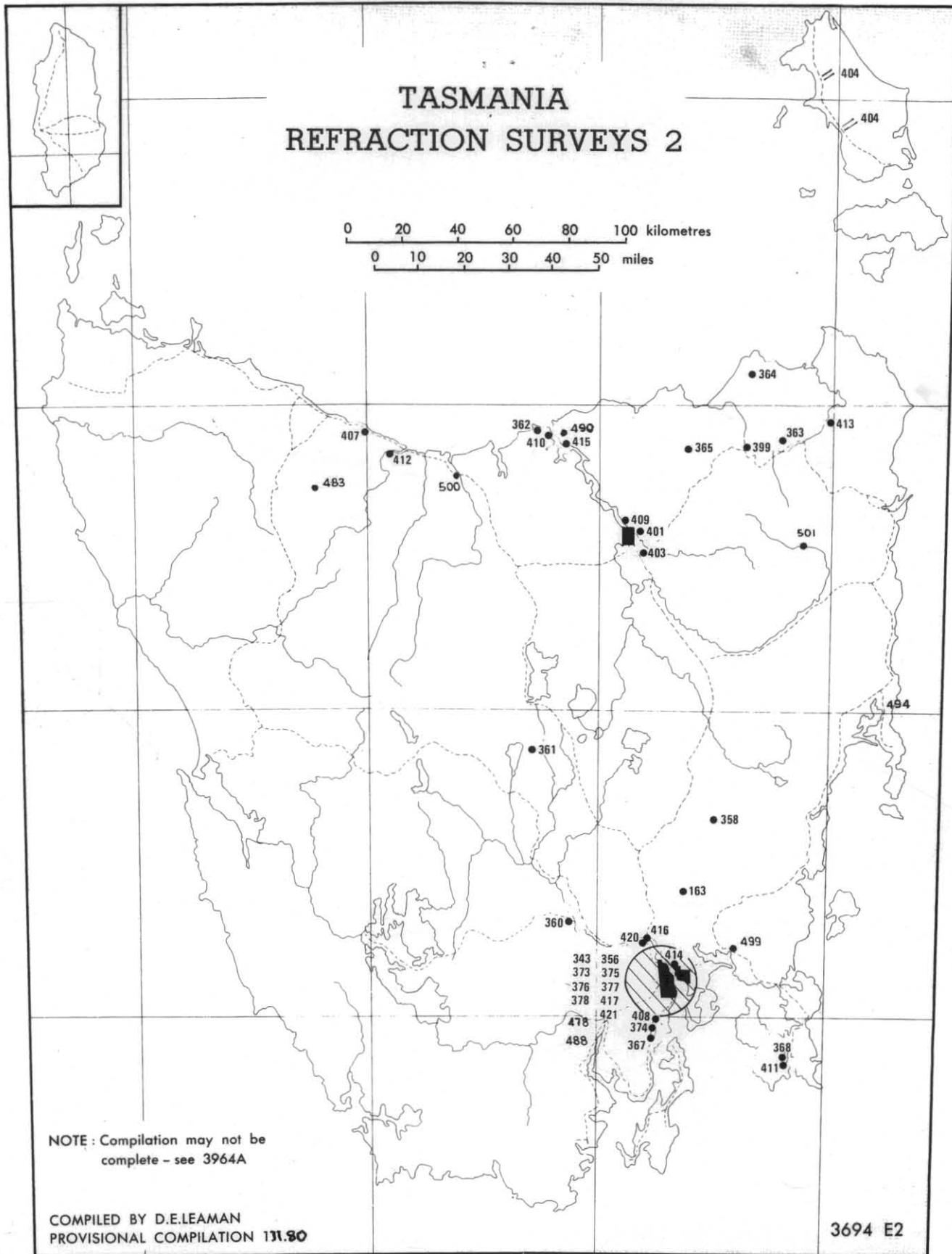
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PROVISIONAL COMPILATION 1.11.80

3694 E1

5 cm

TASMANIA REFRACTION SURVEYS 2

0 20 40 60 80 100 kilometres
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NOTE: Compilation may not be complete - see 3964A

COMPILED BY D.E.LEAMAN
PROVISIONAL COMPILATION 131.80

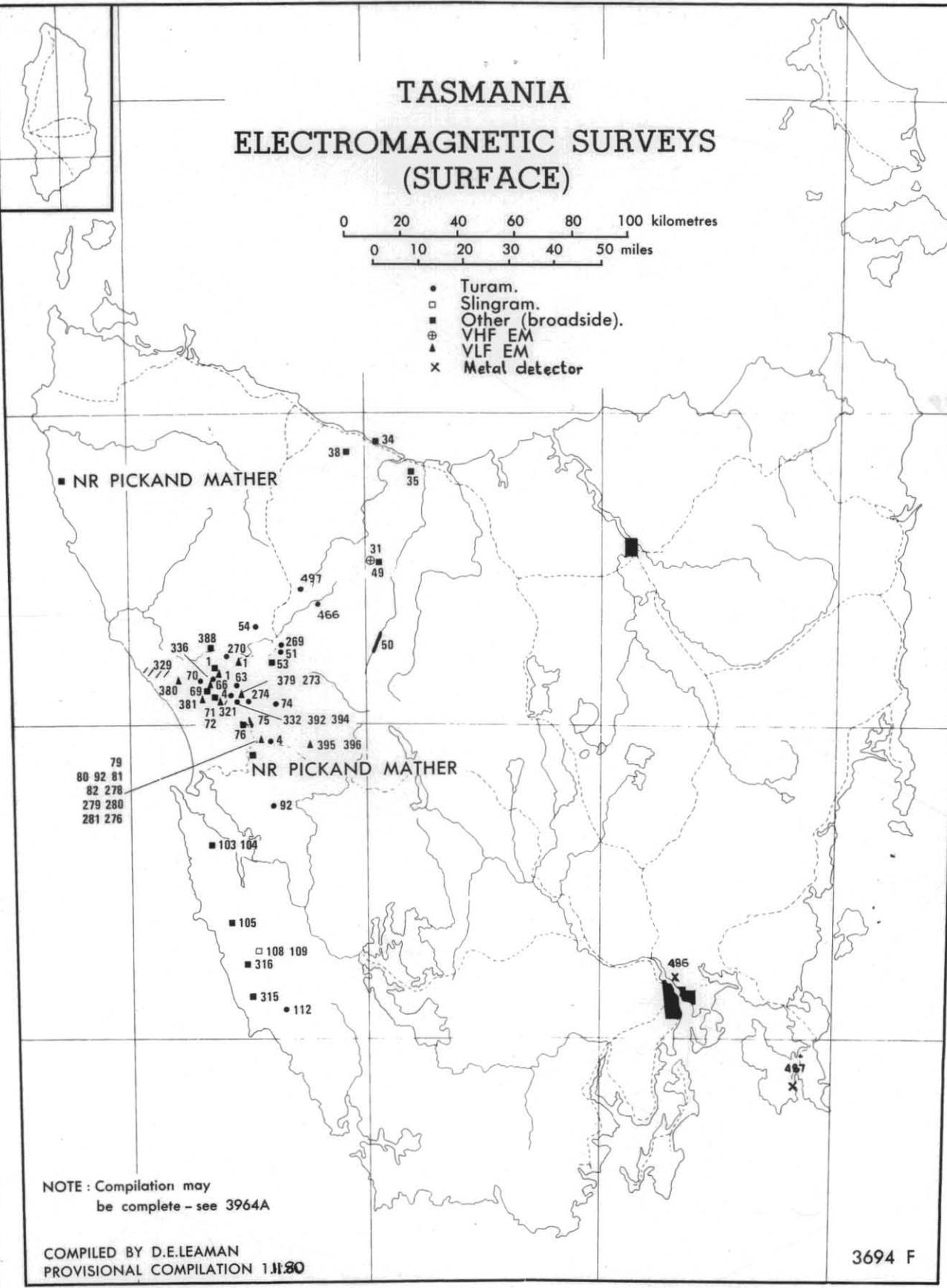
3694 E2

5 cm

TASMANIA ELECTROMAGNETIC SURVEYS (SURFACE)

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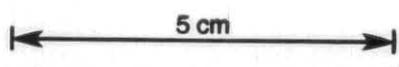
- Turam.
- Slingram.
- Other (broadside).
- ⊕ VHF EM
- ▲ VLF EM
- × Metal detector



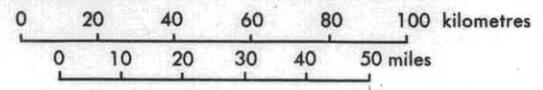
NOTE: Compilation may
be complete - see 3964A

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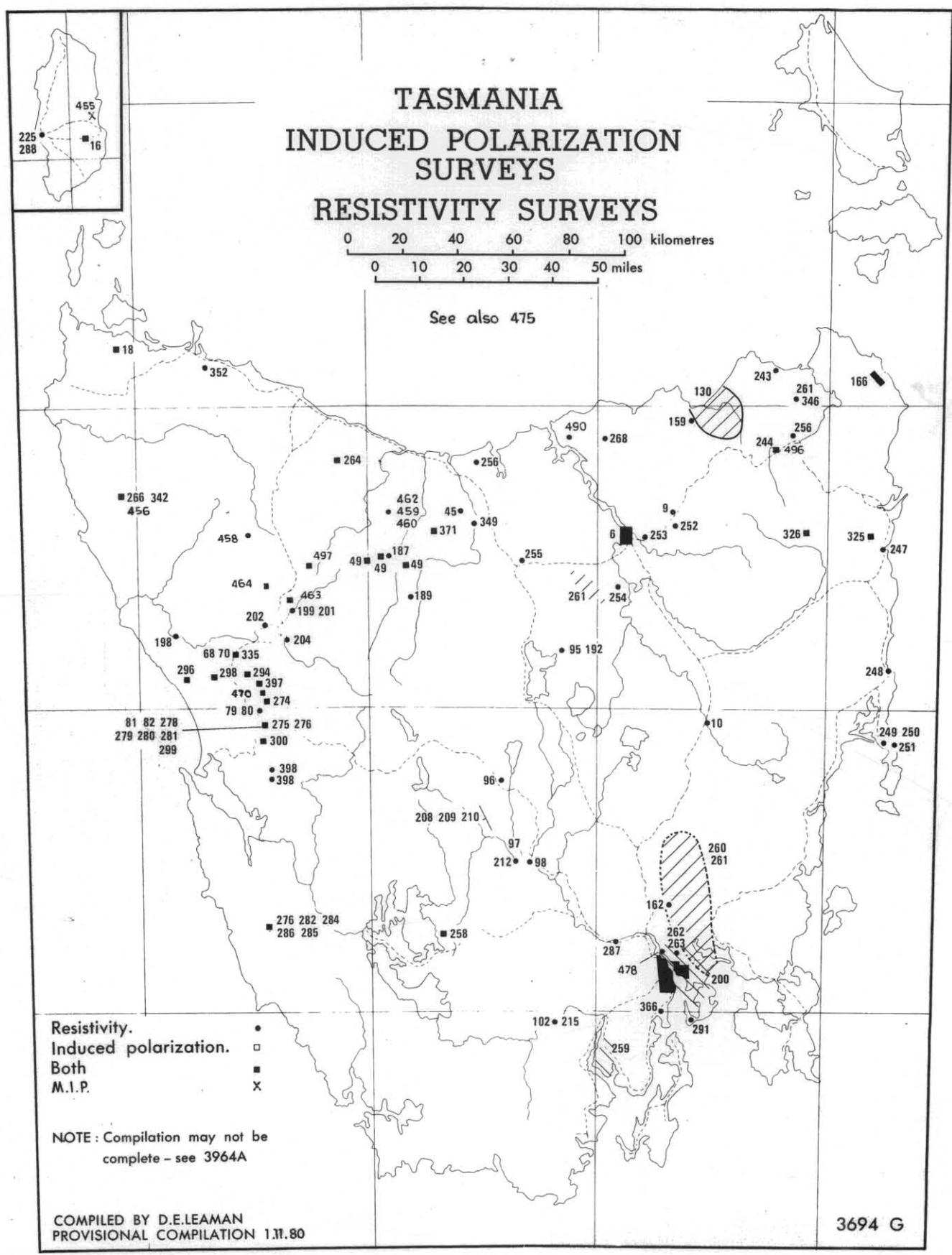
3694 F



TASMANIA INDUCED POLARIZATION SURVEYS RESISTIVITY SURVEYS



See also 475



Resistivity. •
 Induced polarization. □
 Both ■
 M.I.P. x

NOTE: Compilation may not be complete - see 3964A

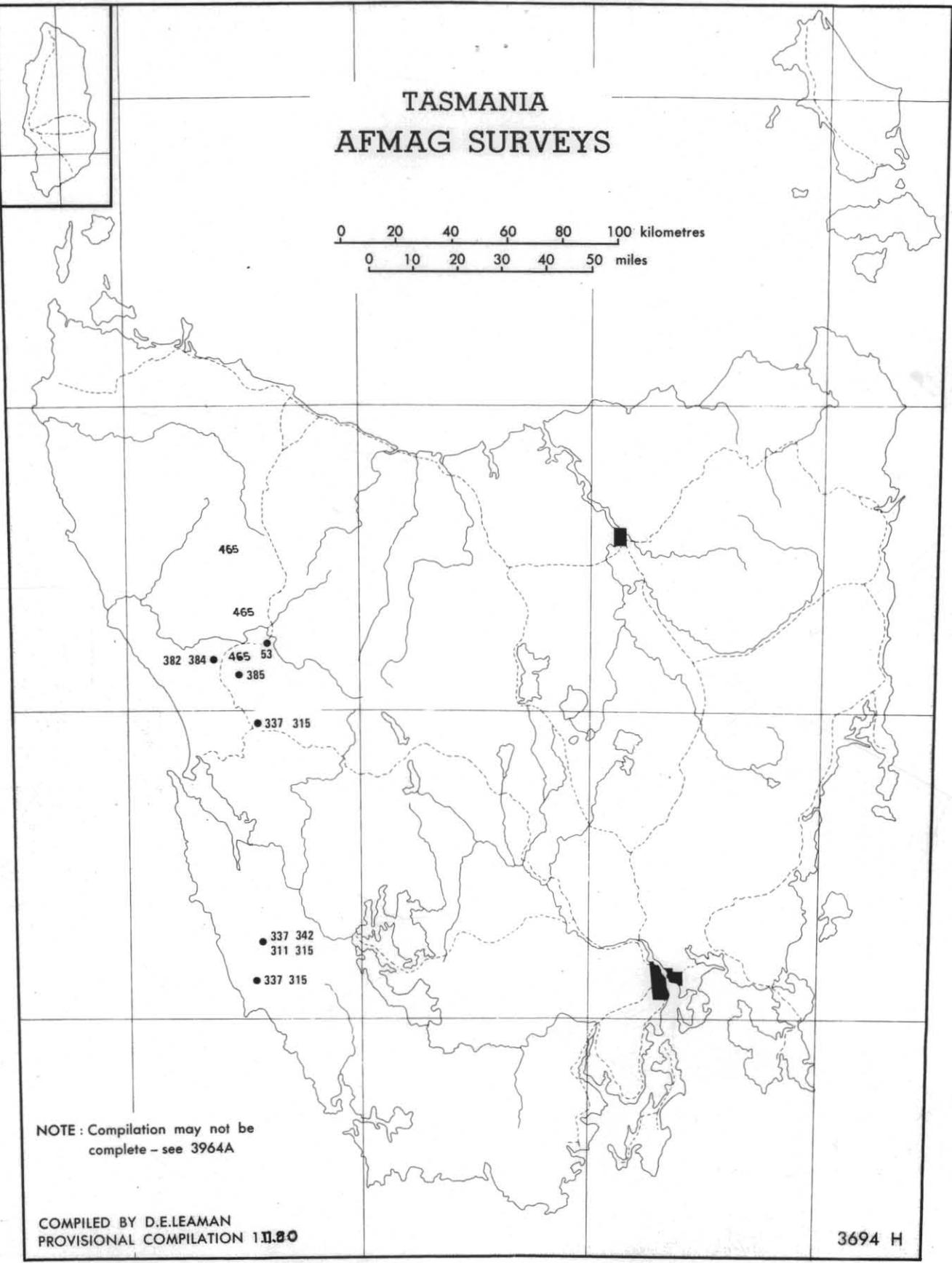
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PROVISIONAL COMPILATION 1.11.80

3694 G

5 cm

TASMANIA AFMAG SURVEYS

0 20 40 60 80 100 kilometres
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NOTE: Compilation may not be complete - see 3964A

COMPILED BY D.E.LEAMAN
PROVISIONAL COMPILATION 1.1.80

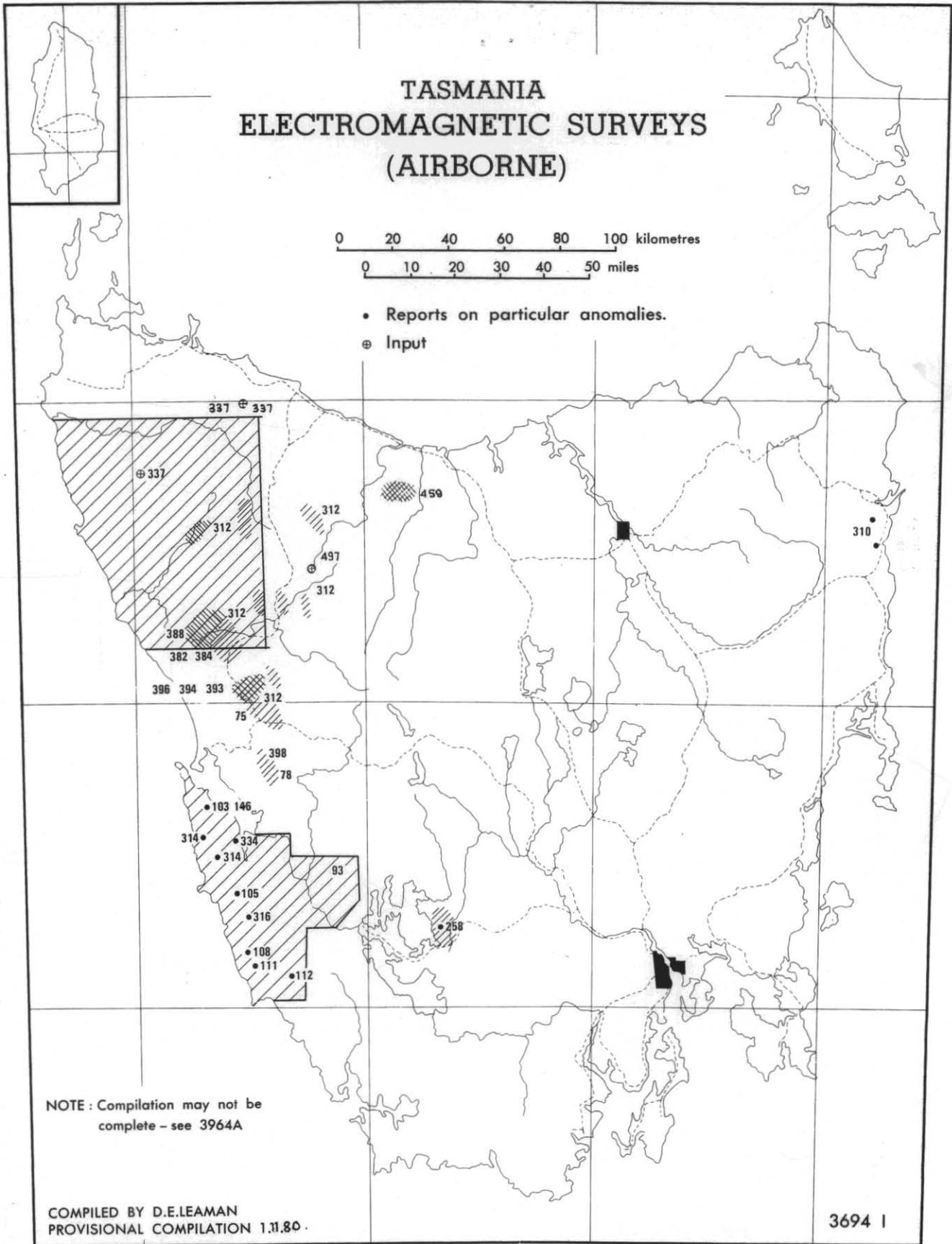
3694 H

5 cm

TASMANIA ELECTROMAGNETIC SURVEYS (AIRBORNE)

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0 10 20 30 40 50 miles

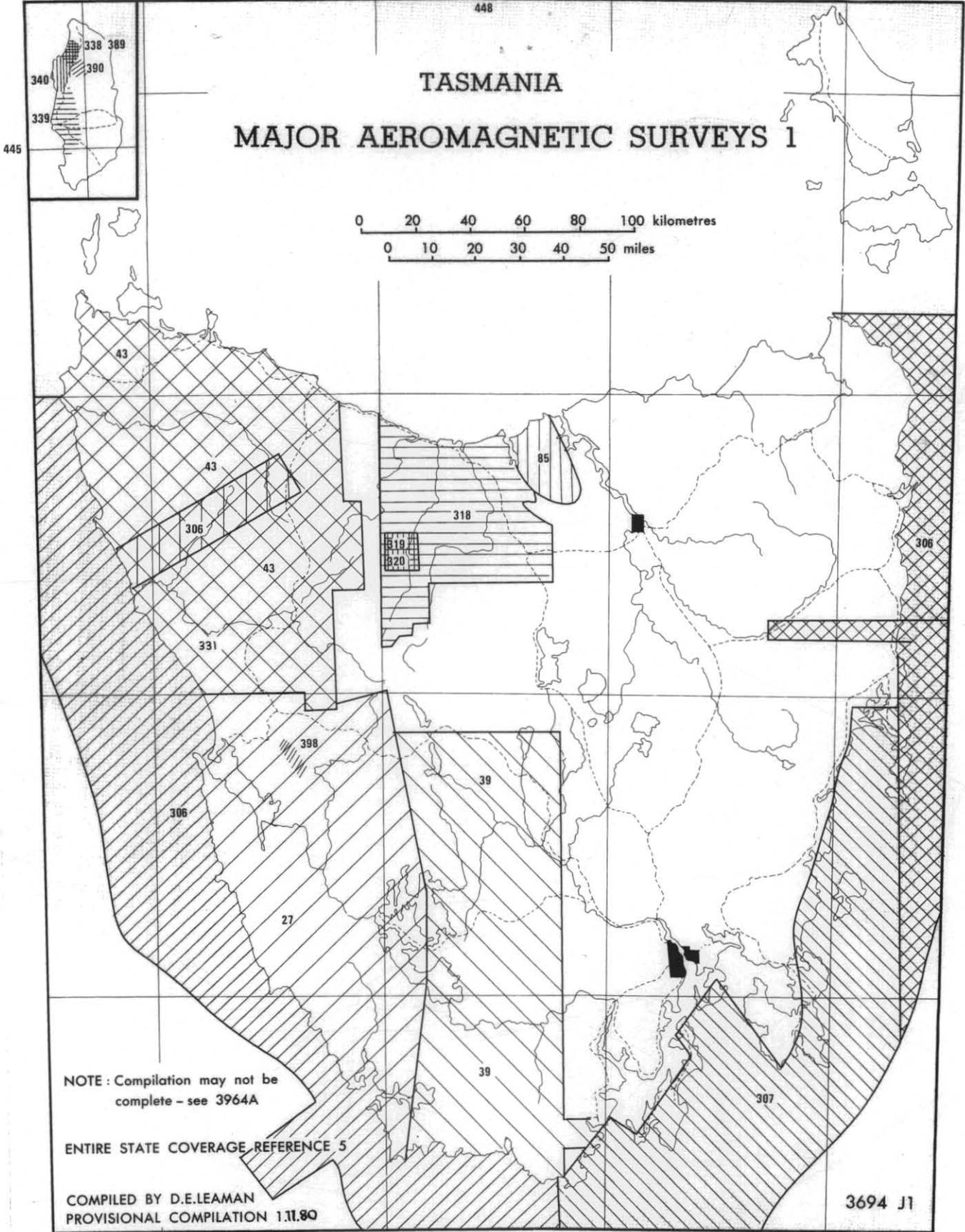
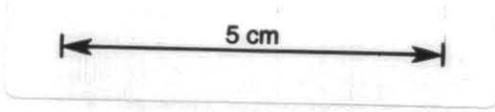
- Reports on particular anomalies.
- ⊕ Input



NOTE: Compilation may not be complete - see 3964A

COMPILED BY D.E.LEAMAN
PROVISIONAL COMPILATION 1.11.80

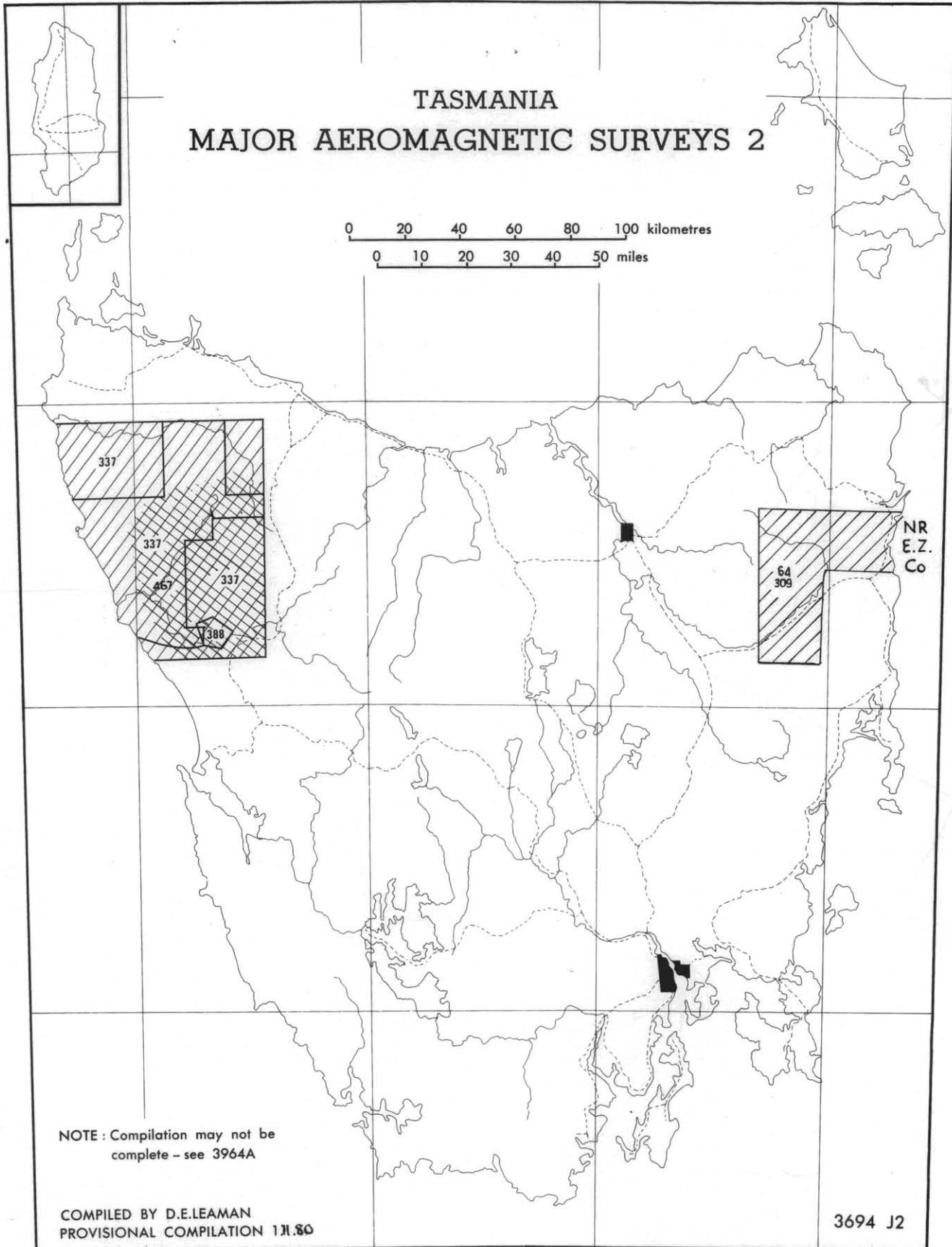
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5 cm

TASMANIA MAJOR AEROMAGNETIC SURVEYS 2

0 20 40 60 80 100 kilometres
0 10 20 30 40 50 miles



NOTE: Compilation may not be complete - see 3964A

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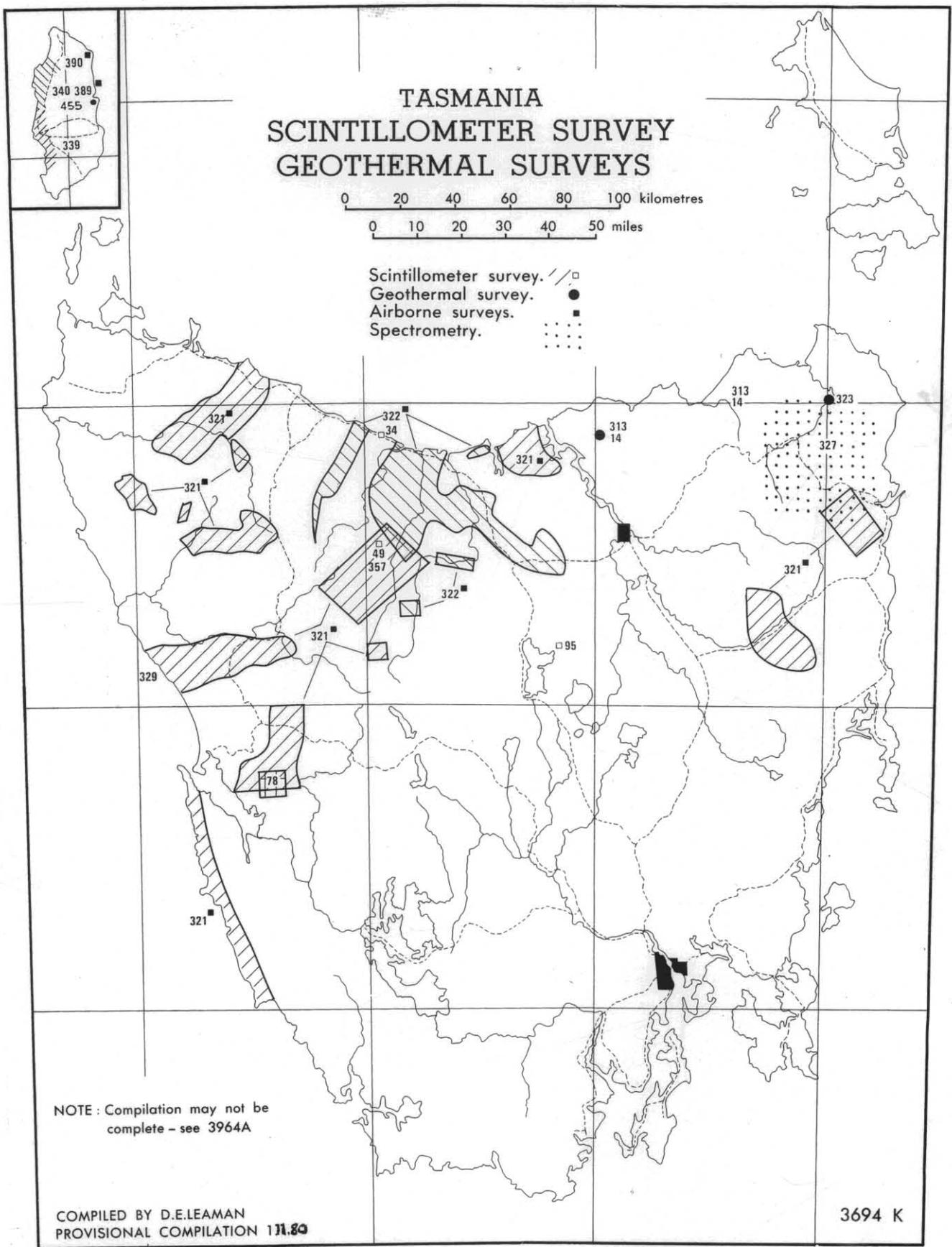
3694 J2

5 cm

TASMANIA SCINTILLOMETER SURVEY GEOTHERMAL SURVEYS

0 20 40 60 80 100 kilometres
0 10 20 30 40 50 miles

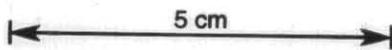
Scintillometer survey. / / □
Geothermal survey. ●
Airborne surveys. ■
Spectrometry.



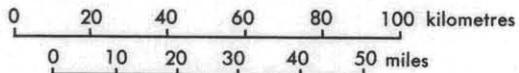
NOTE : Compilation may not be complete - see 3964A

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PROVISIONAL COMPILATION 11.80

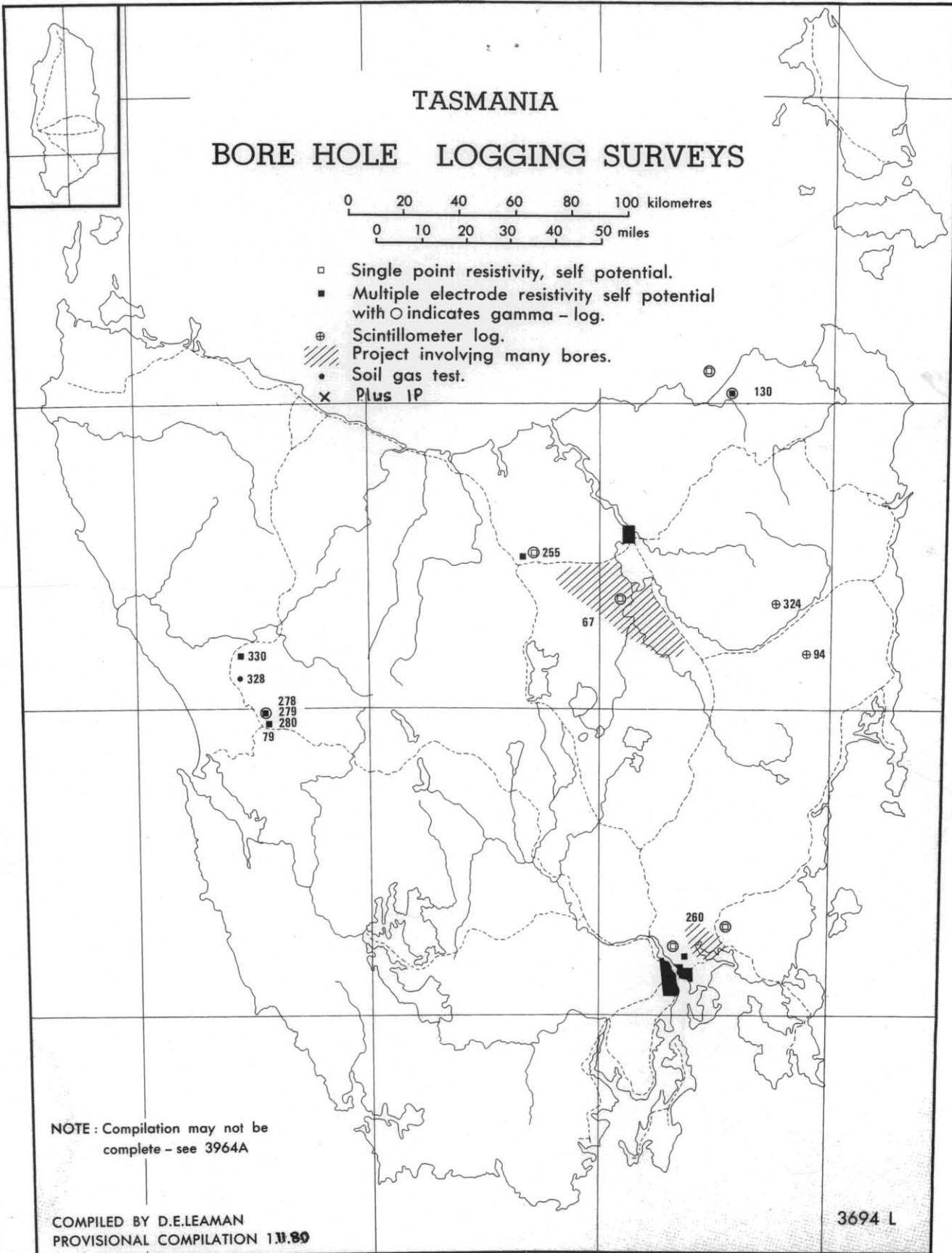
3694 K



TASMANIA BORE HOLE LOGGING SURVEYS



- Single point resistivity, self potential.
- Multiple electrode resistivity self potential with ○ indicates gamma - log.
- ⊕ Scintillometer log.
- ▨ Project involving many bores.
- Soil gas test.
- × Plus IP



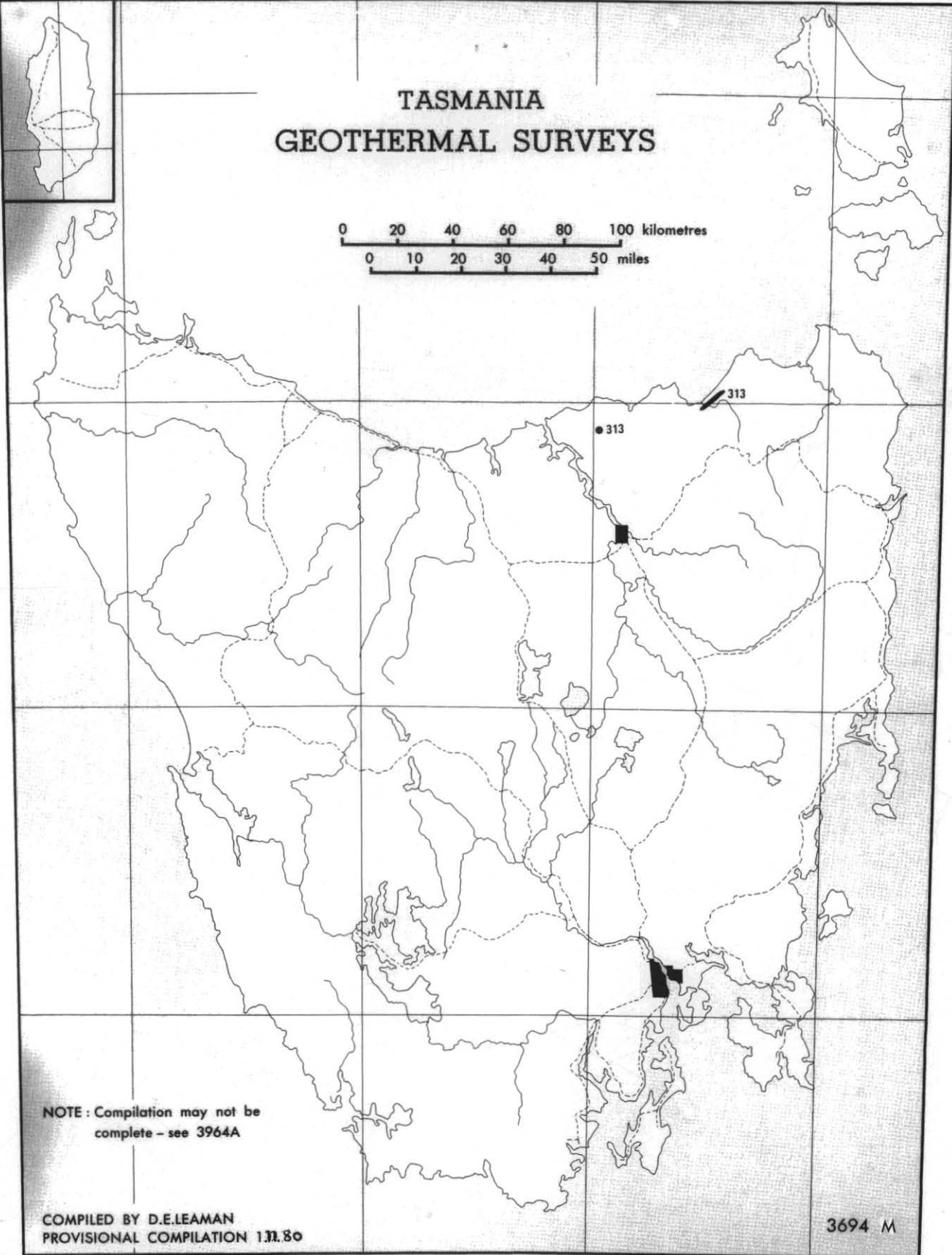
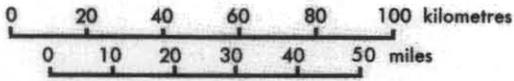
NOTE: Compilation may not be complete - see 3964A

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PROVISIONAL COMPILATION 1.11.89

3694 L

5 cm

TASMANIA GEOTHERMAL SURVEYS



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3694 M