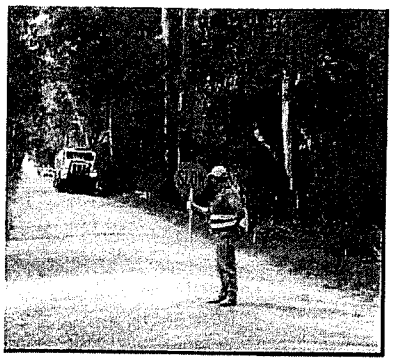

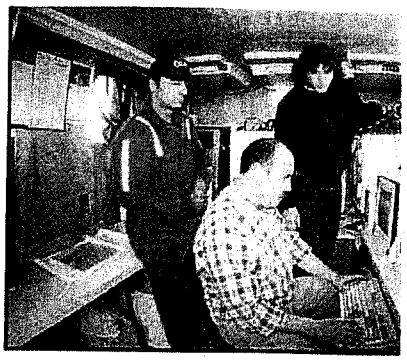

Great South Land Minerals Ltd

ONSHORE SEISMIC SURVEY ENVIRONMENTAL MANAGEMENT PLAN

February 2006
Project No. 1377.001

GREAT SOUTH LAND MINERALS LIMITED

SEMF

SCIENTISTS
ENGINEERS
MANAGERS &
FACILITATORS

PREFACE

LIMITATIONS STATEMENT

This Environmental Management Plan (EMP) has been prepared in accordance with the scope of services agreed upon between SEMF Pty Ltd (SEMF) and Great South Land Minerals Ltd (GSLM) (the client). To the best of SEMF's knowledge, the report presented herein represents the Client's intentions at the time of printing of the report. However, the passage of time, manifestation of latent conditions or impacts of future events may result in the actual project and its impact differing from that described in this report.

In preparing this report SEMF has relied upon data, surveys, analysis, designs, plans and other information provided by the client, and other individuals and organisations referenced herein. Except as otherwise stated in this report, SEMF has not verified the accuracy or completeness of such data, surveys, analysis, designs, plans and other information.

No responsibility is accepted for use of any part of this report in any other context or for any other purpose by third parties.

This report does not purport to provide legal advice. Readers should engage professional legal advisers for this purpose.

DOCUMENT CONTROL

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FOREWORD

Function of the Environmental Management Plan

The Environmental Management Plan (EMP) has been prepared to support Great South Land Minerals (GSLM) in their application for approval to the Department of Primary Industries, Water, and Environment (DPIWE) and the Department of Infrastructure, Energy and Resources (DIER), to undertake an onshore seismic survey over southeastern Tasmania.

The seismic survey will be the largest onshore seismic survey ever conducted in Tasmania. GSLM is committed to ensuring that there are no detrimental impacts on the natural environment resulting from survey operations. The EMP aims to provide information that will allow GSLM to achieve their commitment to environmental protection and address the concerns of DPIWE and DIER regarding survey operations.

The proposed seismic survey and associated activities fall under the jurisdiction of Mineral Resources Tasmania (MRT) and the *Mineral Resources Development Act 1995.*

Role in the Approval Process

The EMP will support GSLM's applications for approval to the DPIWE, DIER, and MRT to undertake a comprehensive seismic survey in Tasmania.

EXECUTIVE SUMMARY

GSLM is planning to undertake an extensive seismic survey in Tasmania utilising approximately 1,446km of existing roads. The seismic survey will use vibroseis trucks to assist in the exploration for onshore oil and gas deposits within the untested Tasmania Basin. A similar survey on a smaller scale was carried out by GSLM in 2001, which indicated the presence of large geological structures that could contain oil and gas. One of the objectives of the proposed 2006 survey is to undertake further research on the these geological structures previously identified.

Roadside vegetation communities can provide important habitat for threatened species. The Threatened Species Unit (TSU) of DPIWE has granted GSLM with approval in principal for the undertaking of the seismic survey in the State Road reservation areas, with the requirement for GSLM to identify areas where threatened species could be adversely impacted by the seismic survey. A further requirement of TSU is to identify if there are any Wedge-tailed eagle nests present within 1km of the seismic traverses, and how they are to be managed if nests are present. DIER also required environmental screening reports to be completed prior to work permits being issued.

This EMP reviews the known records of threatened species that occur along the proposed seismic lines and provides management techniques to ensure that the seismic survey will not have an adverse impact on threatened species.

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ABBREVIATIONS

DIER	Department of Infrastructure, Energy and Resources
DPIWE	Department of Primary Industries, Water and Environment
EMP	Environmental Management Plan
GSLM	Great South Land Minerals Ltd
km	kilometre
MRT	Mineral Resources Tasmania
RPT	Roads and Public Transport Division of DIER
SEMF	SEMF Pty Ltd
TSU	Threatened Species Unit

1 INTRODUCTION

1.1 THE PROPONENT

The proponent is Great South Land Minerals Ltd (GSLM). GSLM is a fully owned subsidiary company of Empire Energy Corporation International (Empire Energy). GSLM is a Tasmanian onshore oil and gas exploration company, and holds Special Exploration Licence 13/98 (SEL 13/98), comprising of 15,035 square kilometres. The exploration licence may be partially relinquished or converted to a retention or mining lease at any time during the period it remains in force.

Great South Land Minerals Ltd
GPO Box 1603
Hobart, Tasmania 7001

Project Manager: Nicole Chesterman

Terrex Seismic Pty Ltd (Terrex) will be contracted by GSLM to undertake the seismic survey.

1.2 HISTORY OF THE PROJECT

The Tasmania Basin is an untested petroliferous (oil and gas producing) basin. The use of seismic surveys to identify prospective geological structures that could contain oil or gas is an established technique.

In 2001, GSLM and Terrex completed an onshore seismic survey covering 660km over the Central Highlands, Northern Midlands, and southeastern Tasmania. The initial interpretation, coupled with prior studies by GSLM, established that large geological structures exist south of Launceston and under the Central Highlands region. These structures are believed to have the potential to be petroleum traps.

In 2006, GSLM will undertake a larger onshore seismic survey, covering approximately 1,446km, which will be based on public roads. Approximately 1,100km of the survey will expand the regional coverage of seismic data, and 300km is aimed at more closely defining geological structures previously identified from the 2001 survey.

1.3 PROJECT TIMEFRAMES

The seismic survey will be undertaken in early in 2006, starting in April. The survey will take approximately 4 months to complete. Data interpretation will occur throughout the survey. A provisional timetable for the survey is outlined in Table 1. The seismic survey is proposed to start in the north of Tasmania, however the order in which the seismic lines are surveyed is subject to several factors e.g. the occurrence of public events such as Targa Tasmania and weather conditions.

Table 1: Proposed seismic survey timetable.

Activity	Duration	Timing
Preparatory works	1 month	Early March 2006
Seismic acquisition	3-4 months	April – July 2006
Demobilisation	2 weeks	July 2006

1.4 APPROVALS

The main legislation that applies to the approval of this activity is the *Mineral Resources Development Act 1995*. All operations fall under the jurisdiction of MRT, and will follow the Mineral Exploration Code of Practice and Special Exploration Licence conditions. Furthermore, MRT has indicated that GSLM must liaise with all other relevant authorities, including DPIWE and DIER.

1.5 CONSULTATION

A proactive consultation approach has been adopted by GSLM with briefings regarding the seismic survey and operations being regularly undertaken with key stakeholders. The major stakeholder groups are as follows:

- State Government Agencies;
- Local Government; and
- The general public.

1.5.1 State Government Consultation

Several State Government departments have been consulted regarding the proposed GSLM seismic survey. The departments, which have provided comments include but are not limited to:

- Mineral Resources Tasmania;
- Department of Primary Industries, Water, and Environment;
- Department of Infrastructure, Energy and Resources; and
- Department of Tourism, Parks, Heritage and the Arts.

1.5.2 Local Government Consultation

GSLM has undergone extensive consultation with local Councils, in order to ensure that the Councils are informed about the regional seismic survey planned for April 2006. Each Council has been briefed regarding: the seismic survey, how the survey will be carried out, and the possible impacts of the survey. Councils have also been provided with information booklets to be distributed to the general public.

1.5.3 Community Consultation

GSLM acknowledges the value of community input into carrying out an extensive exploration program such as a seismic survey.

Wherever practical, GSLM has aligned seismic lines along public roads. In cases where this is not possible, GSLM will consult with private landowners prior to and during the survey.

1.6 STRUCTURE OF THIS REPORT

A brief description of the structure of this report is provided in Table 2 below.

Table 2: Brief Description of the EMP Report Structure.

Section Heading	Brief Description of the Information Provided
Foreword	A brief description of the function of the EMP and the information it contains.
Executive Summary	A summary of the proposed seismic survey and information provided in the report in support of the environmental and planning approvals.
1.0 Introduction	Description of the proponent, the project history, project timeframes, approvals required, and consultation undertaken by the proponent.
2.0 Seismic Survey Logistics	Description of the seismic survey logistics.
3.0 Environmental Management Plan	Description of the existing environment, with identification of significant features, potential impacts arising from the survey, and addresses the concerns of DPIWE.
4.0 Conclusion and Commitments	Summing up of the EMP, and how the requirements of DPIWE have been addressed.

2 ENVIRONMENTAL MANAGEMENT PLAN

2.1 INTRODUCTION

The Threatened Species Unit (TSU) of DPIWE has granted GSLM with approval in principal to undertake the seismic survey within the road reservation areas, with the requirement for GSLM to identify areas where threatened species could be adversely impacted by the seismic survey. A further requirement of TSU is to identify if there are any Wedge-tailed eagle nests present within 1km of the seismic traverses, and how they are to be managed if nests are present. DIER also requires environmental screening reports to be completed prior to work permits being issued.

This EMP is aimed at addressing the requirements of TSU and DIER, and facilitating the issuing of a permit from MRT to allow GSLM to undertake the seismic survey (in an environmentally conscious manner).

A summary of the action required for each seismic line to ensure protection of threatened species is provided in Section 2.6.

2.2 SEISMIC SURVEY METHODOLOGY

Onshore seismic surveys use seismic energy generated through dropping or vibrating a heavy mass on the earth's surface or through detonation of explosive charges. GSLM will use vibroseis trucks, whereby a vibrating baseplate is lowered to the ground and the weight of the truck is then placed over the vibrating baseplate. No explosive charges will be used during the proposed 2006 seismic survey.

The energy from the vibration radiates outwards in all directions from the vibrating baseplate. When the seismic waves reach geological formations with different structural properties the seismic waves are reflected or refracted. The seismic waves are recorded at the surface by geophones placed on the ground. The structure of subsurface geological structures are mapped by interpreting the variations in the times taken for the seismic waves to return to different points along the surface after reflection from the geological structures.

Seismic lines can be easily deviated to avoid affecting environmental values such as threatened species of plants or animals, or significant native vegetation. Prior to the surveying and pegging out of seismic lines, an environmental screening report of the Roads and Public Transport Division (RPT) environmental database has been undertaken to identify any threatened species or archaeological sites that the seismic lines could impact upon. The results of this screening report are presented in Section 2.5. Furthermore, to satisfy the requirements of the DPIWE regarding threatened flora, a botanist has reviewed the seismic lines and this is discussed in detail in Section 2.4. TSU has also been consulted with regarding the protection of Wedge-tail eagles during the survey.

2.3 WEDGE-TAILED EAGLES

The Tasmania Wedge-tailed eagle, *Aquila audax fleayi*, is listed as vulnerable under the Tasmanian *Threatened Species Protection Act 1995*, and endangered under the *Commonwealth Endangered Species Protection Act 1992*. This unique subspecies of Wedge-tailed eagle only occurs throughout Tasmania, including its large near offshore islands. Wedge-tailed eagles nest only in old-growth trees in native forest, with approximately 80% of eagle nests occurring on private land or State forest, and few being protected in formal reserves. Eagles are very timid while breeding and are likely to desert

a nest if disturbed. They breed from August to January and are particularly sensitive to disturbance early in this period (Bryant and Jackson, 1999).

To address the concerns of the TSU regarding the seismic survey and Wedge-tailed eagles, the co-location of known eagle nest sites with the proposed seismic lines was investigated by Bill Brown (Project Officer - Threatened Eagles, DPIWE) in 2006. Two nests within 500m of one of the proposed seismic lines were identified and reported as being active during the recent breeding season (Brown 2006, pers. comm). The nests are located on Bermuda Road, south of Judbury (Brown 2006, pers. comm). The seismic line TB02-BF is proposed to pass along Bermuda Road.

GSLM and Terrex are committed to avoiding any impacts on the breeding success of the Wedge-tailed eagles resulting from the seismic survey. The preparatory works for the seismic lines is not planned to start until early March, and the actual seismic survey will commence in April. As a result, there will be no overlap between the breeding times of Wedge-tailed eagles and the proposed seismic survey.

2.4 THREATENED FLORA

Tasmania is home to numerous unique plant species, and roadsides can provide important habitat for threatened plant species.

The requirements of TSU regarding the protection of threatened flora during the seismic survey are as follows:

- That a botanist be present during exploration where the traverse is within areas of native vegetation known to contain significant threatened flora sites **or** where the traverse will go through areas or native vegetation types identified as potential habitat for threatened species;
- That a botanist is not required during the exploration where the traverse is restricted to the sealed/gravel section of the road **or** where the traverse goes through cleared land that contains improved pastures.

To ensure that the planned seismic survey will not impact on any threatened species, a botanist was engaged to undertake a desktop review of vegetation community types to determine areas of high environmental sensitivity, or risk, based on the likely presence of threatened plant species or potential habitat along the proposed seismic lines.

It should be noted that the accuracy of the threatened species location data obtained from the TSU used varies from 10m to 5,000m, and therefore the location of the records is somewhat indicative. Furthermore, it is possible that the threatened species database is not currently up to date and therefore there may be relevant threatened species records yet to be entered into the database.

Given the extent of the seismic survey, it is possible that more threatened species occur along or near the proposed seismic survey lines that are yet to be identified. However, the length and high resolution of the seismic survey means it would be impractical to have a botanist on site during the survey.

Twenty-nine of the proposed thirty-five seismic survey lines were found to have records of threatened species adjacent to the roadside or within 100m of the proposed seismic line. The number of records along each line varies from single records to more than 100 records. The species identified as occurring along the seismic route and their status under the Tasmanian *Threatened Species Protection Act 1995* (TSPA) and the Commonwealth *Environmental Protection and Biodiversity Conservation Act 1999* (EPBCA) is provided in Appendix A.

Maps were generated indicating the proposed seismic survey route and the location of threatened species along that route (Appendix A). Where there were clusters of records, the coordinates for each cluster as start and stop points were identified. These are provided in Appendix A (AG66 format). Coordinates are not provided for individual records due to their varying degrees of accuracy and the large number of records. Their approximate location can be determined from the maps provided.

In order to protect the known threatened species from the seismic survey, the following recommendations are made (Welling 2006):

1. The start and end point of clusters of threatened species be flagged by surveyors;
2. All flagging tape that signifies the presence of threatened species should be removed immediately after the survey in that area has been completed;
3. Within the flagged areas a 200m buffer zone should be established either side of the road, as threatened species may be present nearby that have not yet been recorded;
4. No trucks or vehicles should leave the formed roads within the flagged areas and only essential light foot traffic should be allowed;
5. In the event that it is deemed necessary for vehicles to go off the formed road surface (which includes gravel shoulders) in the flagged sections or close to where individual record of threatened species are indicated, a botanist will be required to be present to check for threatened species;
6. In the event that it is essential for vehicles to go off the formed road surface (which includes gravel shoulders) in areas where threatened species are not known to occur, GSLM will consult with TSU regarding the need for a botanist to be present;
7. All seismic crew should be aware of the maps showing the location of threatened species and the significance of threatened species; and
8. All seismic survey vehicles only pull over for rest breaks etc in established areas such as graveled pull off areas. These will be identified by the surveyors during the line pegging process.

GSLM will ensure that during surveying and pegging out the seismic lines, any areas that have been identified by the environmental screening reports (Section 2.5) or the botanical review, as requiring protection will be clearly marked and the seismic crew informed of their location and the appropriate action to take when working near these areas.

2.5 ENVIRONMENTAL SCREENING REPORTS

To assist GSLM in identifying areas that need to be protected during the seismic survey with regard to threatened species and archaeological sites, an environmental screening reports from RPT's environmental database have been produced by Camille Boxall (Environmental Planner, DIER), for the relevant sections of the State roads that the survey is passing over. The environmental screening reports provide information regarding threatened species, archaeological sites, habitat values, and environmental threats for the land within the road reserve. The reports also clearly identify any vegetation communities that are managed by DIER.

DIER is responsible for the management of large areas of land incorporated in its roadside reserve system. Roadside reserves vary due to factors including their shape and size, variety of users and impacts, tenure and primary use as a transport corridor. Many of DIER's roadsides contain patches of remnant vegetation that represent valuable populations of rare and threatened plant species, priority vegetation communities, corridors for wildlife movement, wildlife habitat, and old growth or heritage trees. DIER is

obliged to protect and conserve plant and animal species listed under state and federal legislation as threatened species or critical habitat. A number of critical species and habitats have been identified as being a priority for pro-active management in the State roadside reserve network. These occur where roadside populations are important to the conservation of the species, where the adjacent vegetation has been destroyed or is vulnerable to farming practices.

The environmental screening reports indicated that there are 7 sites of high conservation priority that are managed by DIER along the State roads on which GSLM propose to conduct the seismic survey. A summary of these sites and the required management approaches is provided in Table 3. Maps showing the location of these sites, detailed information, and the GPS coordinates are provided in Appendix B.

Table 3: DIER managed conservation sites.

State Road	Location on State Road	Proposed Seismic Line	Conservation Site	DIER Requirements
Midlands Hwy	Link 57 (2.95-2.98)	TB02-EB	14	No operations to occur within this area without consulting DIER Environmental Planner
Tasman Hwy	Link 36 (8.2-9.13)	TB02-FE	39, 40, 41	No operations to occur within this area without consulting DIER Environmental Planner
Tasman Hwy	Link 38 (0.00-0.45)	TB02-FB	42, 43	No operations to occur within this area without consulting DIER Environmental Planner
Tunnack MR	Link 57 (2.67-2.77)	TB02-BG	Population of *Lepidium hyssopifolium**	No operations to occur within this area without consulting DIER Environmental Planner

*Note: This site does not have a DIER conservation site number.

Greening Australia has developed a series of markers called 'Enviromark' (Figure 1). These markers have been installed at the start and end of each of the DIER conservation sites. The conservation sites are generally the area from the back of the table drain to the fence boundary, not including any areas maintained for road safety.

Figure 1: Greening Australia 'Enviromark' sign.

During surveying and pegging out the seismic lines by Terrex, the conservation areas managed by DIER will be clearly marked using a specific flagging tape. Surveyors will identify these areas from the Enviromark signs and the information provided in Appendix B.

GSLM will ensure that all Terrex personnel are aware of the significance of these areas and follow the required DIER management measures indicated in Appendix B.

2.6 ENVIRONMENTAL MANAGEMENT OF SEISMIC LINES

To assist GSLM in planning and thereby facilitating the protection of threatened species during all seismic survey related operations, a reference table has been generated that provides an indication of whether there are any threatened species present for each of the seismic lines, the action required, and a contact person should any vehicles need to leave the road surface for any reason (Table 4).

It is the responsibility of GSLM to ensure that the management measures provided in this report are followed during the seismic survey to ensure that there are no detrimental impacts on threatened species. Furthermore, it is the responsibility of GSLM to make certain that all people involved with the seismic survey are familiar with this document and significance of threatened species.

Table 4: Summary of threatened species issues for each seismic line.

Seismic Line	Wedge-Tailed Eagles	Threatened Flora	DIER Conservation Area	Action Required	Contact Person
TB02-AA	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-BA	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables	Stephen Casey (DPIWE)

Seismic Line	Wedge-Tailed Eagles	Threatened Flora	DIER Conservation Area	Action Required	Contact Person
				provided in Appendix A.	
TB02-BB	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-BD	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-BF	Yes	Yes	-	Seismic line not to be surveyed prior to the end of February. Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-BG	-	Yes	Yes	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A. Follow DIER management measures outlined in Section 2.5.	Stephen Casey (DPIWE) Stephanus Vermaak (DIER)
TB02-BH	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-BI	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-CD	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-CF	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-CG	-	-	-	No threatened flora	-

Seismic Line	Wedge-Tailed Eagles	Threatened Flora	DIER Conservation Area	Action Required	Contact Person
				records exist	
TB02-CH	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-CI	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-EA	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-EB	-	Yes	Yes	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A. Follow DIER management measures outlined in Section 2.5.	Stephen Casey (DPIWE) Stephanus Vermaak (DIER)
TB02-EC	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-ED	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-EE	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-EF	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-EG	-	-	-	No threatened flora records exist	-
TB02-EH	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use	Stephen Casey (DPIWE)

Seismic Line	Wedge-Tailed Eagles	Threatened Flora	DIER Conservation Area	Action Required	Contact Person
				maps and tables provided in Appendix A.	
TB02-EI	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-EJ	-	-	-	No threatened flora records exist	-
TB02-EK	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-EL	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-EM	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-EO	-	-	-	No threatened flora records exist	Stephen Casey (DPIWE)
TB02-EP	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-EZ	-	-	-	No threatened flora records exist	-
TB02-FA	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-FB	-	Yes	Yes	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A. Follow DIER management measures outlined in Section 2.5.	Stephen Casey (DPIWE) Stephanus Vermaak (DIER)
TB02-FC	-	Yes	-	Follow management measures 1-7 outlined	Stephen Casey

Seismic Line	Wedge-Tailed Eagles	Threatened Flora	DIER Conservation Area	Action Required	Contact Person
				in Section 2.4. Use maps and tables provided in Appendix A.	(DPIWE)
TB02-FD	-	Yes	-	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A.	Stephen Casey (DPIWE)
TB02-FE	-	Yes	Yes	Follow management measures 1-7 outlined in Section 2.4. Use maps and tables provided in Appendix A. Follow DIER management measures outlined in Section 2.5.	Stephen Casey (DPIWE) Stephanus Vermaak (DIER)

3 CONCLUSIONS AND COMMITMENTS

The seismic survey proposed by GSLM has the potential to impact on threatened species present within roadside communities. In order to avoid detrimental impacts on threatened species, GSLM will therefore undertake the following measures:

1. Seismic trucks and associated vehicles will operate within the road formation (road surface and gravel shoulders);
2. Seismic trucks and associated vehicles will only use existing gravelled or sealed pull off areas. These areas will be identified by the surveyors and used to plan each seismic line;
3. Should the seismic trucks or associated vehicles need to leave the road formation at any time, including during surveying of seismic lines that pass over private property, the relevant authorities will be notified prior to survey operations commencing;
4. Areas containing threatened species identified in this report will be flagged by surveyors prior to the seismic crew entering the area (and the flagging tape will be promptly removed on completion of the survey in the local area);
5. GSLM will inform the relevant authorities of any issues regarding threatened species if they arise during the seismic survey;
6. The management measures listed within this report and associated documents will be followed;
7. The relevant authorities will be notified of any changes to the proposed seismic lines prior to the survey commencing or of any changes made during the survey; and
8. All personnel associated with the seismic operation will be familiar with the contents of this report and the importance of protecting threatened species.

4 REFERENCES

Bryant, S and J. Jackson (1999). Tasmania's Threatened Fauna Handbook. Threatened Species Unit, Parks and Wildlife Services.

Welling, A (2006). Desktop Threatened Flora Species Assessment of Seismic Survey Lines for Great South Land Minerals Ltd.

5 PERSONAL COMMUNICATIONS

Bill Brown (09/01/2006); Threatened Species Section, Biodiversity Conservation Branch, Department of Primary Industry, Water and Environment.

APPENDICES

Appendix A: Desktop Threatened Flora Species Assessment

Note: All coordinates supplied in this Appendix are in AG66 format.

Desktop Threatened Flora Species Assessment of Seismic Survey Lines

For

Great Southern Land Minerals Limited

FERBRUARY 2006

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Contents

1. INTRODUCTION

Great South Land Minerals Limited (GSLM) holds a Special Exploration Licence (SEL) to explore for oil and gas reserves over the Tasmania Basin. Under this SEL seismic surveying will be undertaken along 1400km of roadways across a wide area of central and southern Tasmania.

As part of the permit process for this survey work, Mineral Resources Tasmania (MRT) requires that the potential impact of seismic surveying on threatened flora species be assessed.

Upon referral to the Threatened Species Unit (TSU) of DPIWE, a report was required which identified any important threatened species sites, which occur along the road traverses.

In addition the TSU required the following;

- *that a botanist be present during exploration where the traverse:*
  - *is within areas of native vegetation known to contain significant threatened flora sites identified by the consultant botanist.*
  - *will go through areas of native vegetation types identified as potential habitat for threatened species by the consultant botanist.*

The presence of a botanist will not be required during the exploration where

- *the traverse is restricted to sealed/gravel section of road.*
- *the traverse goes through cleared land which contains improved pastures.*

The TSU also requested that any impact on Wedge-tailed Eagle nest sites be considered as part of this report. The surveys are to be carried out outside the breeding season (August - January) and therefore it will have no impact on this species. If the surveying was delayed for any reason and then coincided with the breeding season, known nest sites would need to be identified and measures taken to avoid these areas.

Andrew Welling - Natural Resource Consultant - awelling@bigpond.net.au

The following report is a desktop survey of the all threatened flora records in the vicinity of the survey lines. It identifies the location of threatened species records in relation to the traverse lines and provides recommendations to minimise any impact of the surveying.

2. METHODOLOGY

Threatened species records were obtained from the Threatened Species Unit (DPIWE) (as shapefiles) for all areas traversed by the seismic survey lines. Records included all flora species listed under the Tasmanian *Threatened Species Protection Act 1995* (TSPA) and the Commonwealth *Environmental Protection and Biodiversity Act 1999* (EPBCA).

The threatened flora records were overlayed across the proposed seismic survey lines using Arcview mapping software and any records that occur nearby to the traverse lines were plotted on maps (Appendix 1).

Where multiple threatened species records occur in close proximity to each other they were marked on the maps as clusters. The coordinates for each cluster along the survey lines (start and stop points) are provided in the Tables (Appendix 2). All coordinates are mapped in AGD66. Given the large number of individual records and their varying accuracy, coordinates have not been provided for these records. The approximate location of individual records can be determined from the maps.

Limitations of the data.

The accuracy of the threatened species locations utilised in this report varies from 10m to 5000m and therefore the location of the records shown on the maps are indicative only. The data used in this report does not include recent records, as many have not been added to the database.

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No active surveying was undertaken and the accuracy of the existing records were not checked in the field. Given the extent of seismic survey it is likely that more threatened species occur along or nearby to the survey lines.

3. DESKTOP SURVEY RESULTS

Twenty-nine of the proposed seismic survey lines were found to have recorded threatened species records adjacent to the roadside or within 100 m of the lines.

Records from each seismic line are recorded in Tables 1 - 27. These records include the species name, common name their status under the TSPA or EPBCA (Appendix 2). The coordinates for individual records and clusters of records are also provided.

4. SUMMARY AND RECOMMENDATIONS

Threatened flora records occur along the majority of the survey lines. The number of records along each line varies from single to over 100 records.

Under the TSU requirements a botanist would need to be present when the seismic surveying was occurring in areas that contain threatened species. The proposed seismic survey is to be carried out on formed roads or through cleared land (containing improved pasture) and therefore a botanist should only be required if the survey vehicles need to leave the formed roads.

The following recommendations should ensure that threatened flora species (from known records) are not impacted upon by the surveying.

- The start and end point of threatened species clusters should be flagged by surveyors.

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- All flagging tape that signifies the presence of threatened species should be removed immediately after the survey has been completed.
- Within the flagged areas a 200m buffer zone should be established either side of the road.
- No trucks or vehicles should leave the formed roads (even on the verge) within the flagged areas and only essential foot traffic should be allowed.
- In the event that it is essential for vehicles to go off the formed road surface in the flagged sections or close to where individual records are indicated, a botanist should be present to check for threatened species.
- All seismic crew should be familiar with the maps provided and the significance of threatened species.

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APPENDIX 1 - Maps of Seismic Survey Lines.

List of Maps

Map Tb02-aa
Map Tb02-ba (north)
Map Tb02-ba (south)
Map Tb02-bb
Map Tb02-bd (south)
Map Tb02-bd (north)
Map Tb02-bf (north)
Map Tb02-bf (central)
Map Tb02-bf (south)
Map Tb02-bg (north)
Map Tb02-bg (south)
Map Tb02-bh
Map Tb02-bi
Map Tb02-cd
Map Tb02-cf & Map Tb02-cg
Map Tb02-ch & Map Tb02-ci
Map Tb02-ea
Map Tb02-eb (north)
Map Tb02-eb (south)
Map Tb02-ec
Map Tb02-ed
Map Tb02-ee
Map Tb02-ef
Map Tb02-eh & Map Tb02-ei
Map Tb02-ek
Map Tb02-el (north)
Map Tb02-el (south)
Map Tb02-em
Map Tb02-ep
Map Tb02-fa
Map Tb02-fb
Map Tb02-fd
Map Tb02-fe (south)
Map Tb02-fe (north) & Tb02-fc (south)

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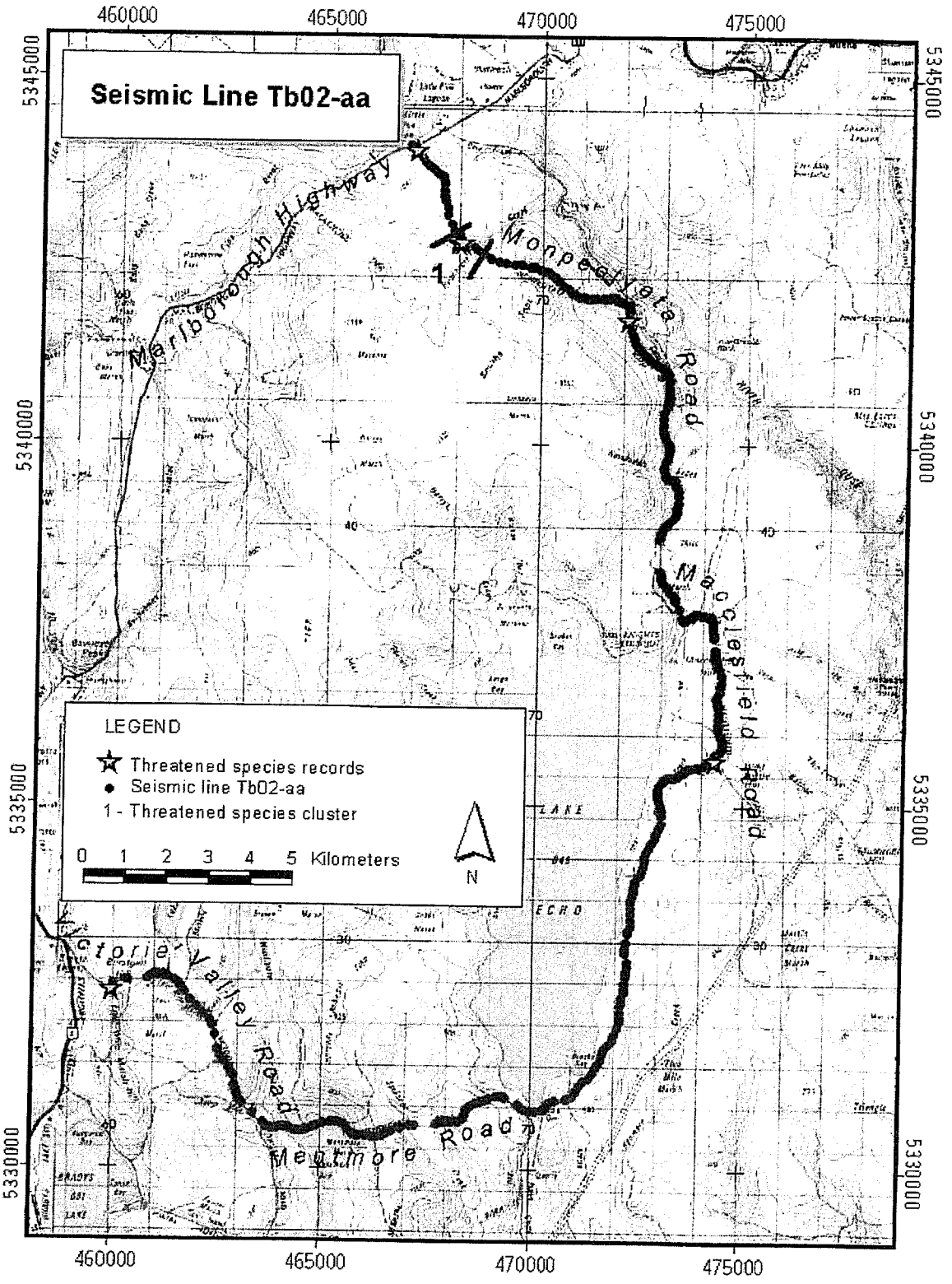
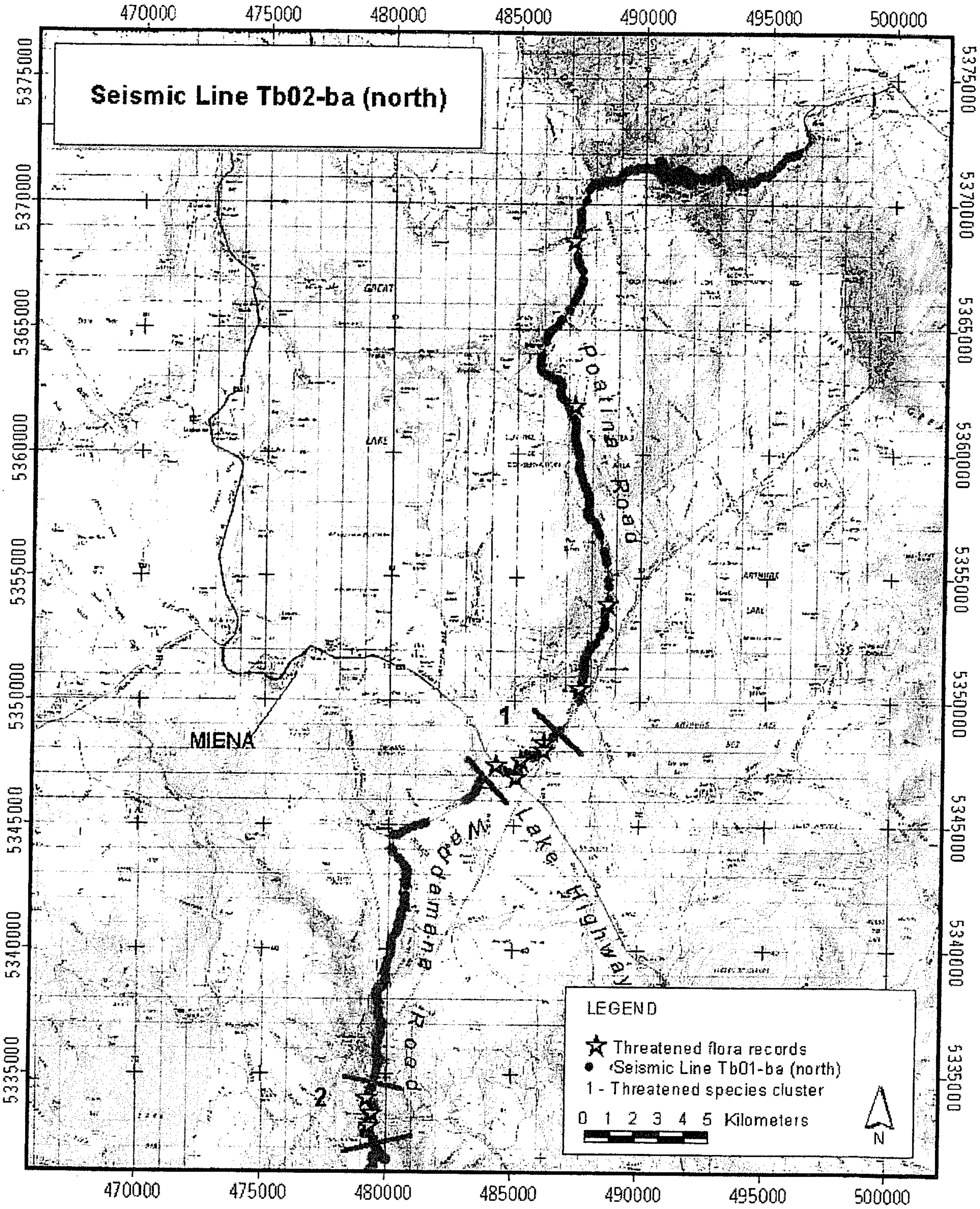
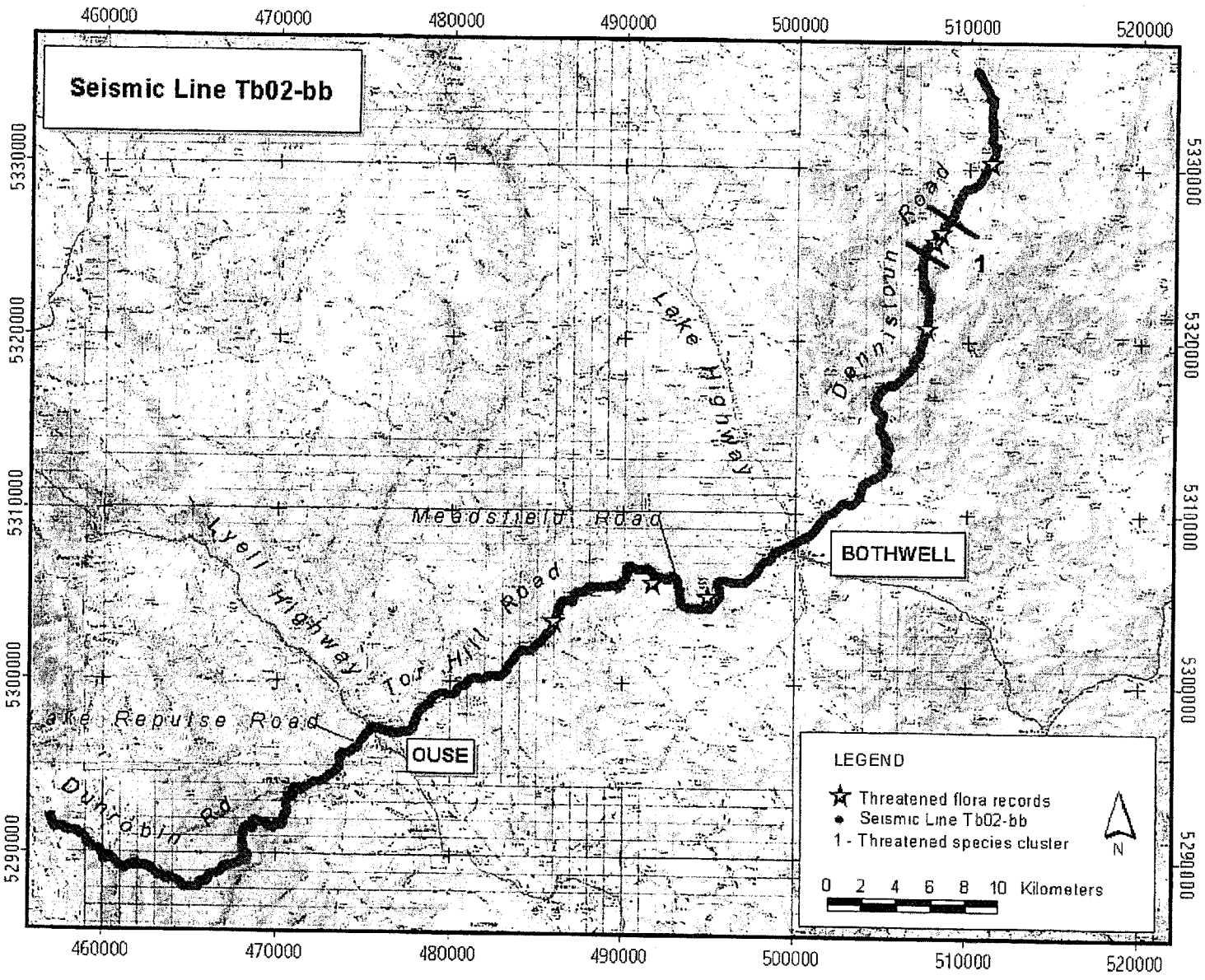
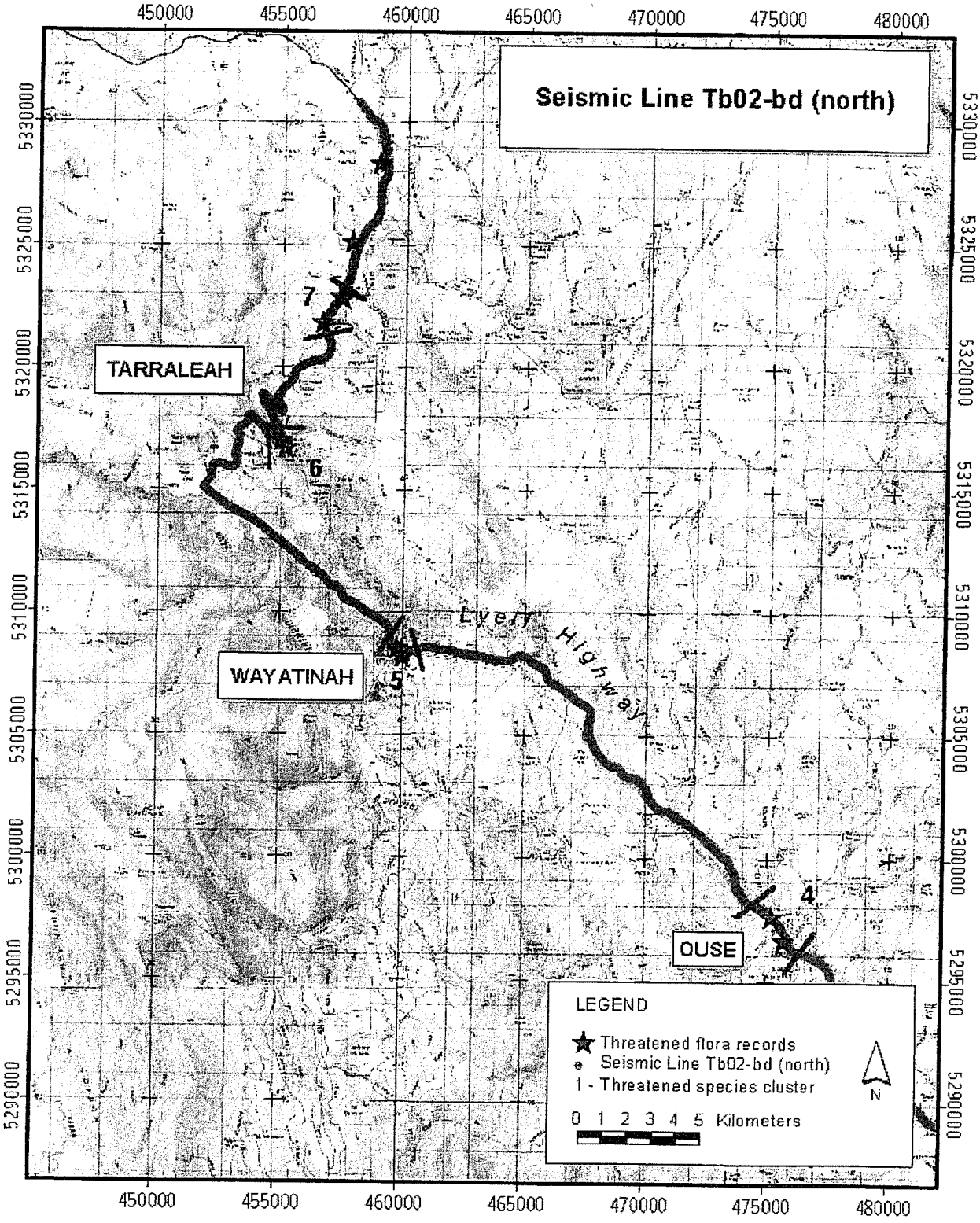
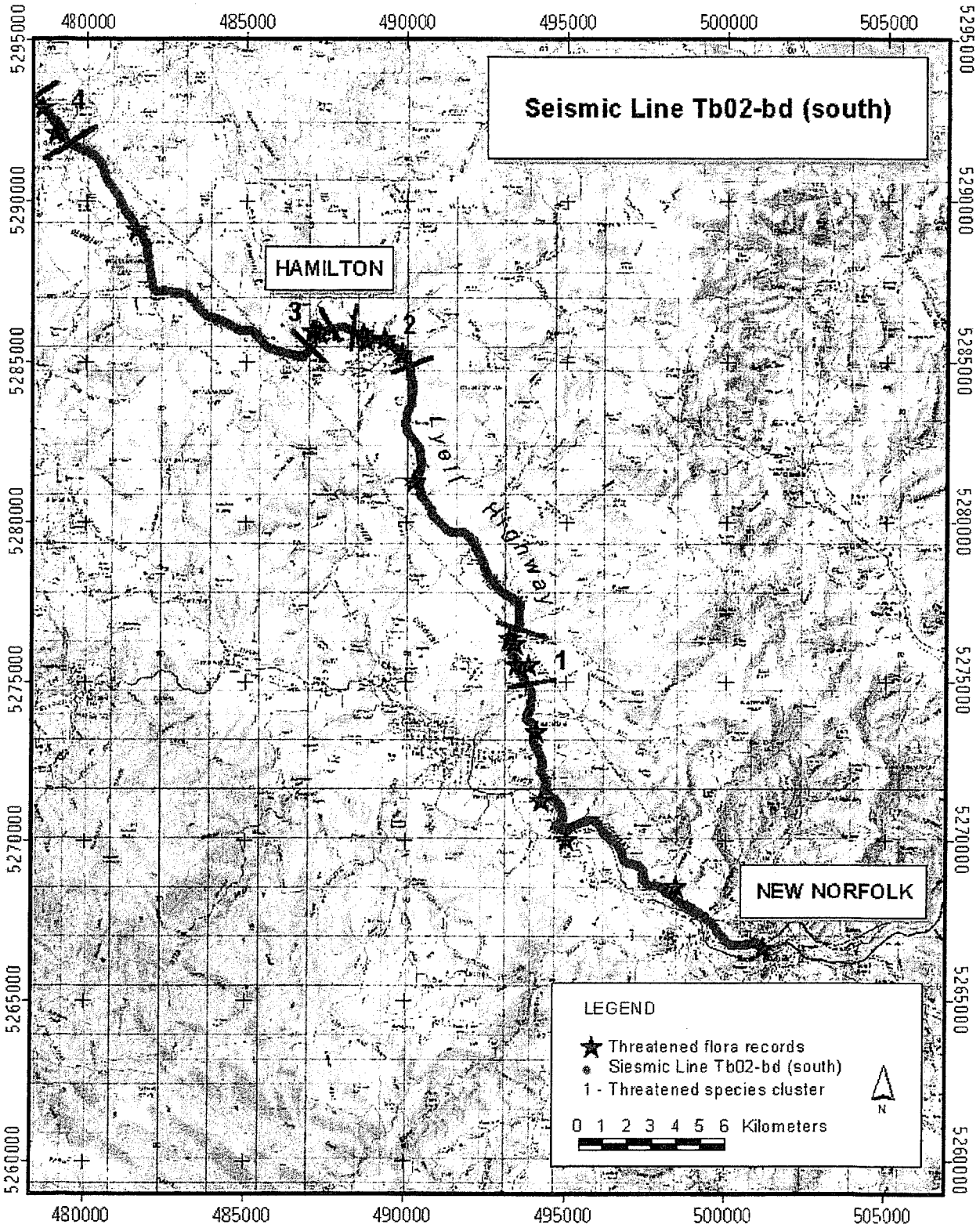

Seismic Line Tb02-aa
460000
465000
470000
475000
5345000
5340000
5335000
5330000
Marlborough Highway
Monpeelyle Road
Macclesfield Road
Storie Valley Road
Meatmore Road
1
LEGEND
Threatened species records
Seismic line Tb02-aa
1 - Threatened species cluster
0 1 2 3 4 5 Kilometers
N


Seismic Line Tb02-ba (north)
470000
475000
480000
485000
490000
495000
500000
5335000
5340000
5345000
5350000
5355000
5360000
5365000
5370000
5375000
MIENA
Poatina Road
Lake Highway
Waddamana Road
1
2
LEGEND
Threatened flora records
Seismic Line Tb01-ba (north)
1 - Threatened species cluster
0 1 2 3 4 5 Kilometers
N

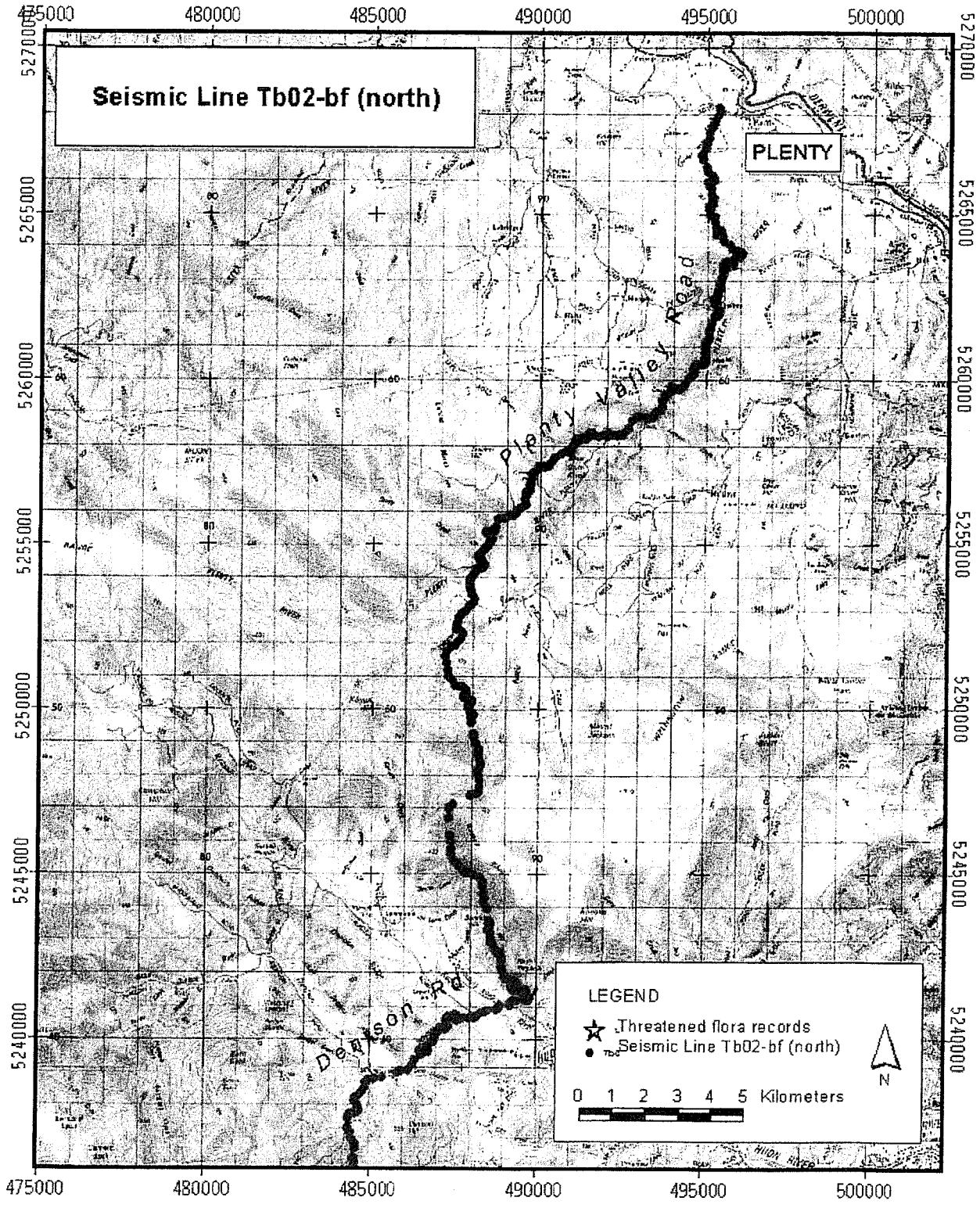
Seismic Line Tb02-ba (south)
WADDAMANA
OUSE
Bashan Road
Victoria Valley Road
Waddamana Road
Lake Echo
LEGEND
Threatened flora records
Seismic Line Tb02-ba (south)
2 - Threatened species cluster
0 1 2 3 4 5 Kilometers
N
465000
470000
475000
480000
485000
490000
495000
5295000
5300000
5305000
5310000
5315000
5320000
5325000
5330000
5335000

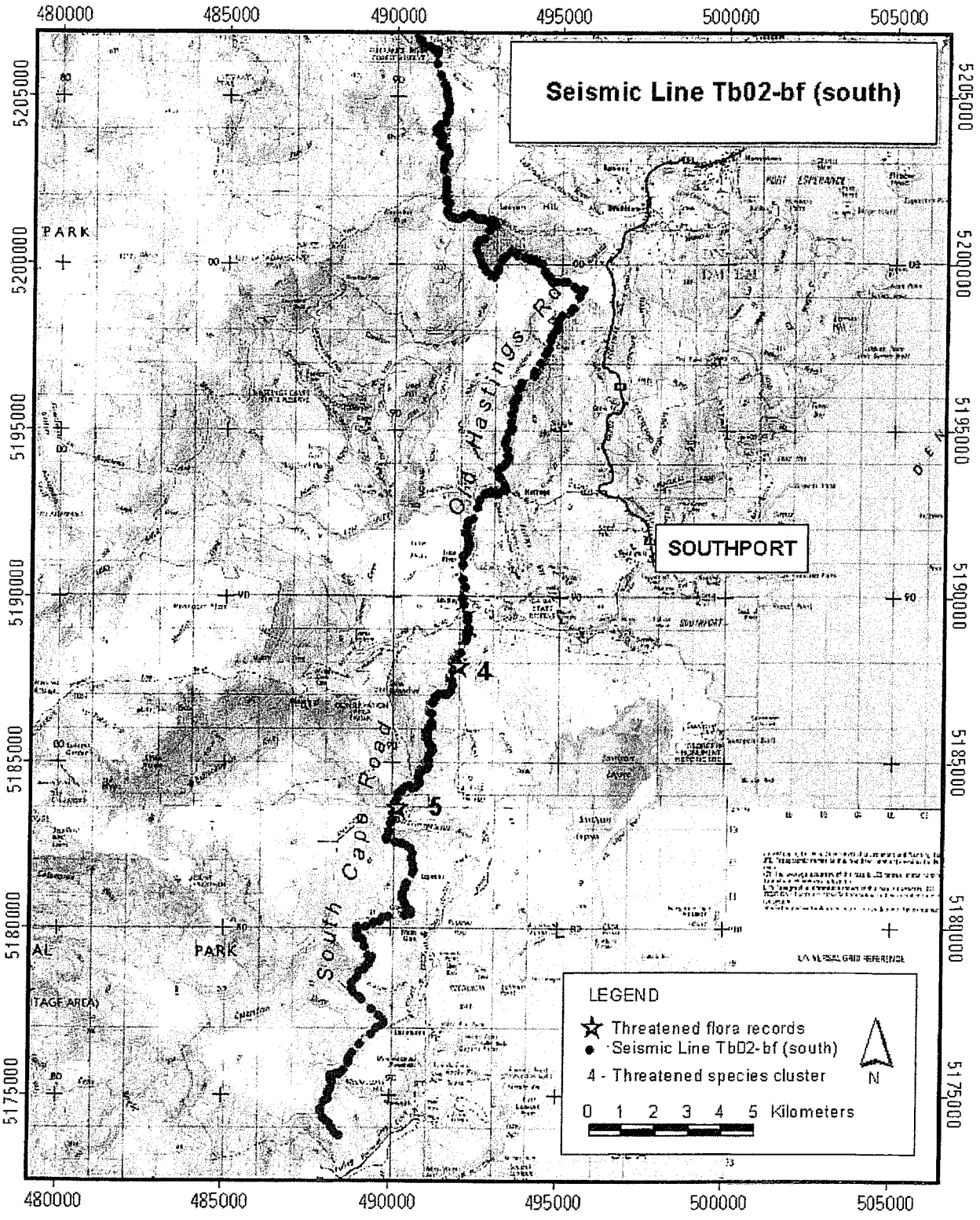

Seismic Line Tb02-bb
460000
470000
480000
490000
500000
510000
520000
5330000
5320000
5310000
5300000
5290000
Lake Highway
Dennistoun Road
1
Mebdstield Road
BOTHWELL
Lyell Highway
Tor Hill Road
Lake Repulse Road
OUSE
Dunrobin Rd
LEGEND
Threatened flora records
Seismic Line Tb02-bb
1 - Threatened species cluster
N
0 2 4 6 8 10 Kilometers

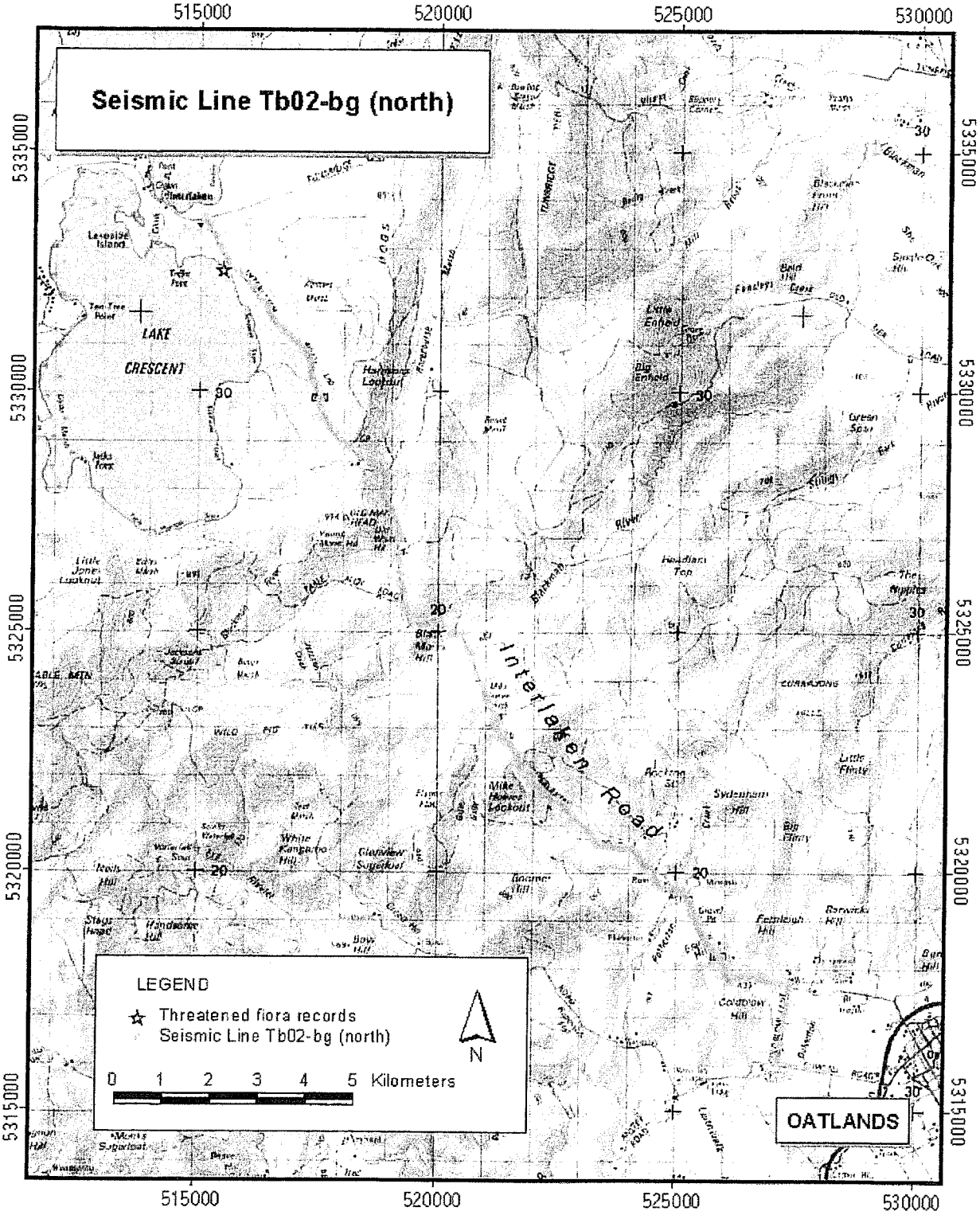

Seismic Line Tb02-bd (north)
450000
455000
460000
465000
470000
475000
480000
5330000
5325000
5320000
5315000
5310000
5305000
5300000
5295000
5290000
TARRALEAH
WAYATINAH
OUSE
Lyell Highway
7
6
5
4
LEGEND
Threatened flora records
Seismic Line Tb02-bd (north)
1 - Threatened species cluster
0 1 2 3 4 5 Kilometers
N

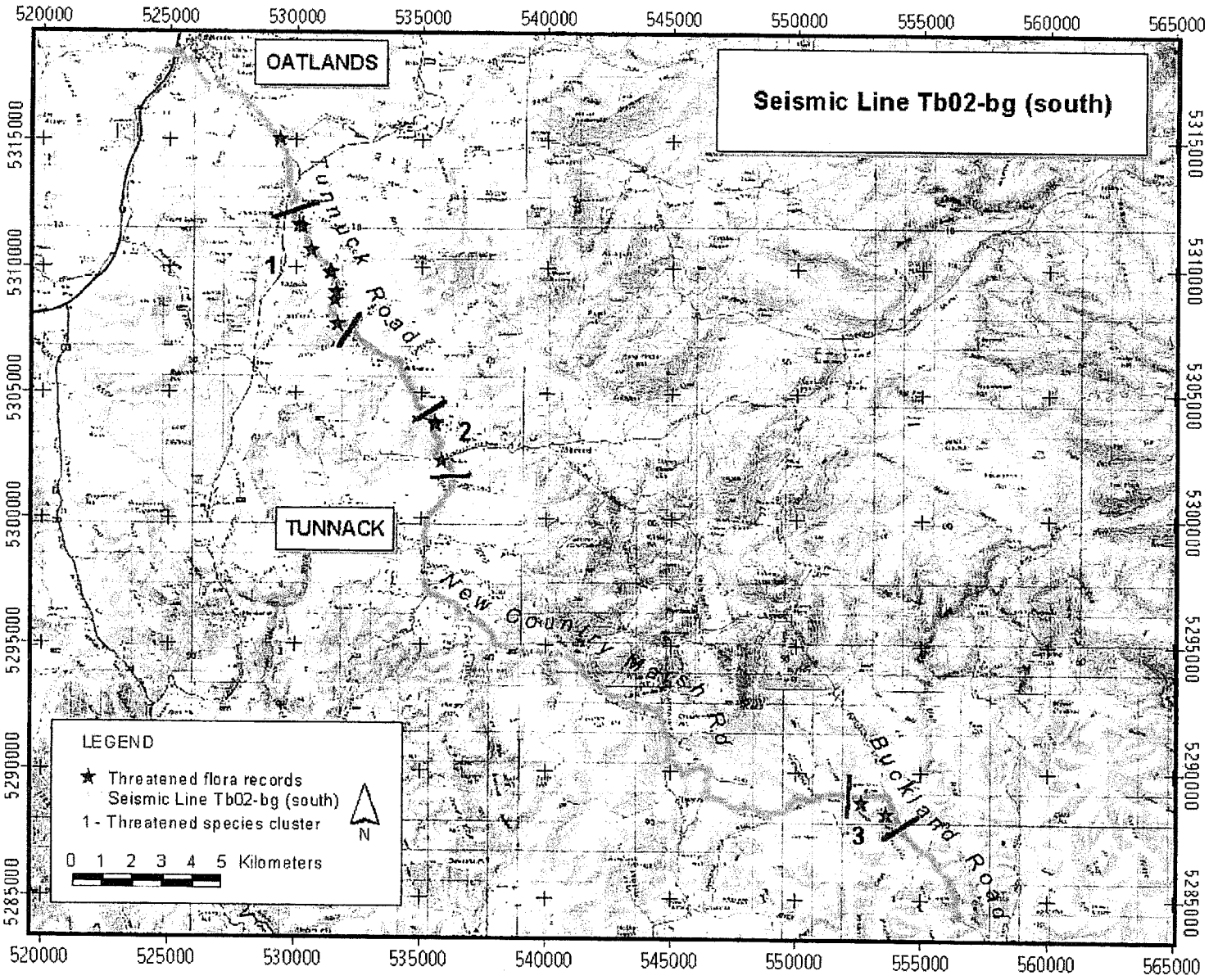

Seismic Line Tb02-bd (south)
HAMILTON
NEW NORFOLK
Lyell Highway
1
2
3
4
LEGEND
Threatened flora records
Siesmic Line Tb02-bd (south)
1 - Threatened species cluster
0 1 2 3 4 5 6 Kilometers
N
480000
485000
490000
495000
500000
505000
5295000
5290000
5285000
5280000
5275000
5270000
5265000
5260000

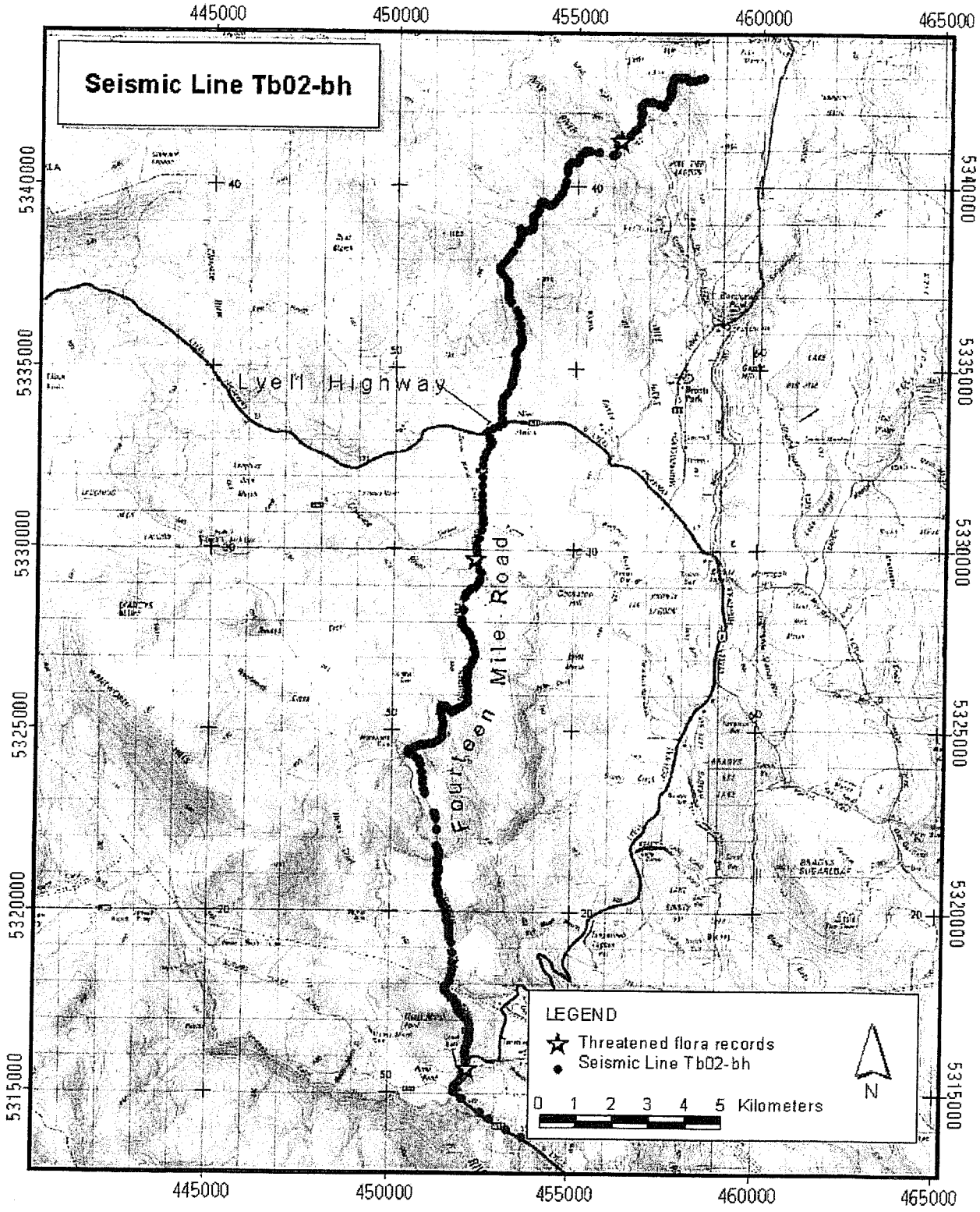
Seismic Line Tb02-bf (central)
GEEVESTON
Bennett Road
Ward Road
LEGEND
Threatened flora records.
Seismic Line Tb02-bf (central)
1- Threatened species cluster
N
0 1 2 3 4 5 Kilometers
1
2
3
4
475000
480000
485000
490000
495000
500000
5205000
5210000
5215000
5220000
5225000
5230000
5235000

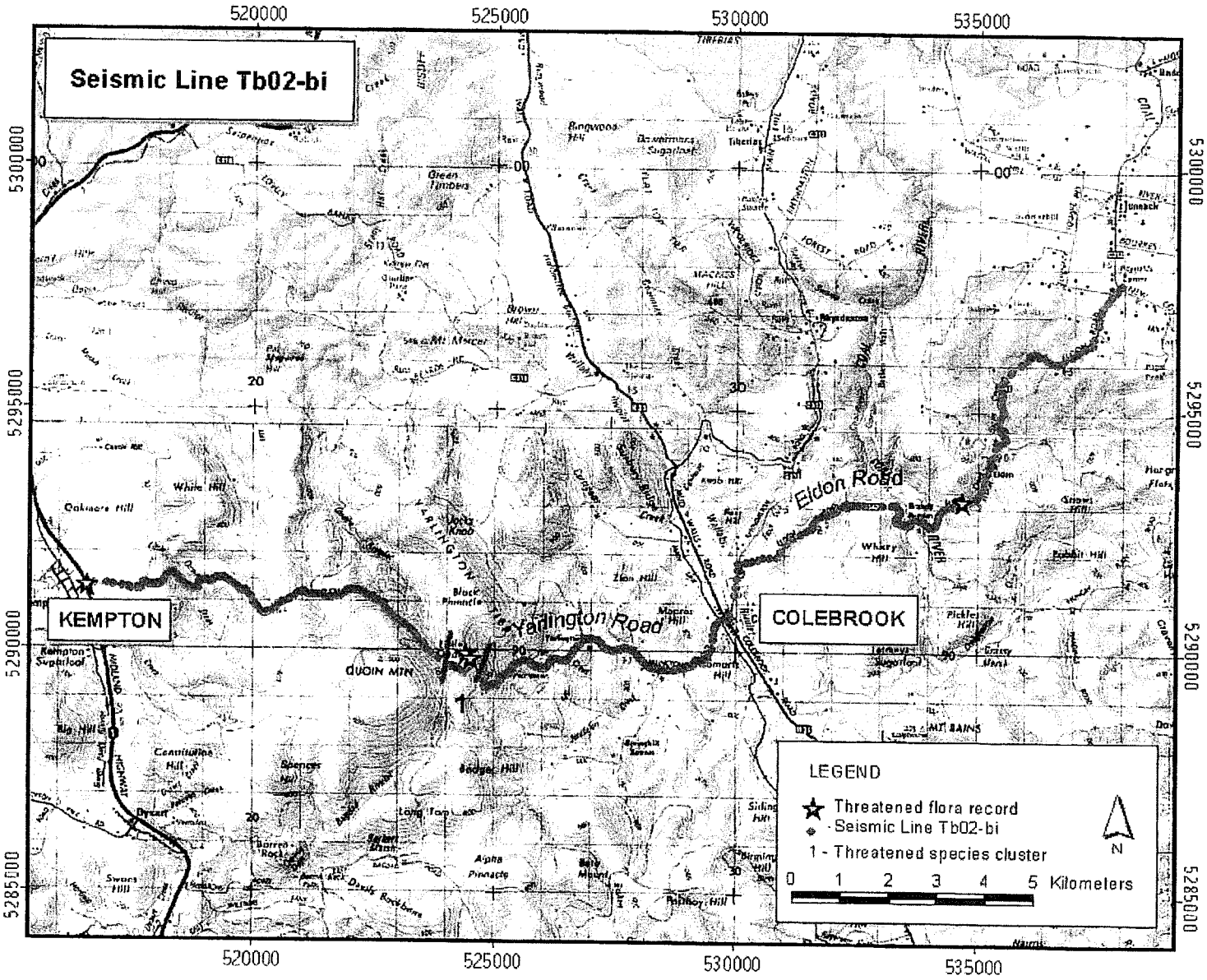

Seismic Line Tb02-bf (north)
PLENTY
Plenty Valley Road
Denson Rd
LEGEND
Threatened flora records
Seismic Line Tb02-bf (north)
0 1 2 3 4 5 Kilometers
N
475000
480000
485000
490000
495000
500000
5270000
5265000
5260000
5255000
5250000
5245000
5240000

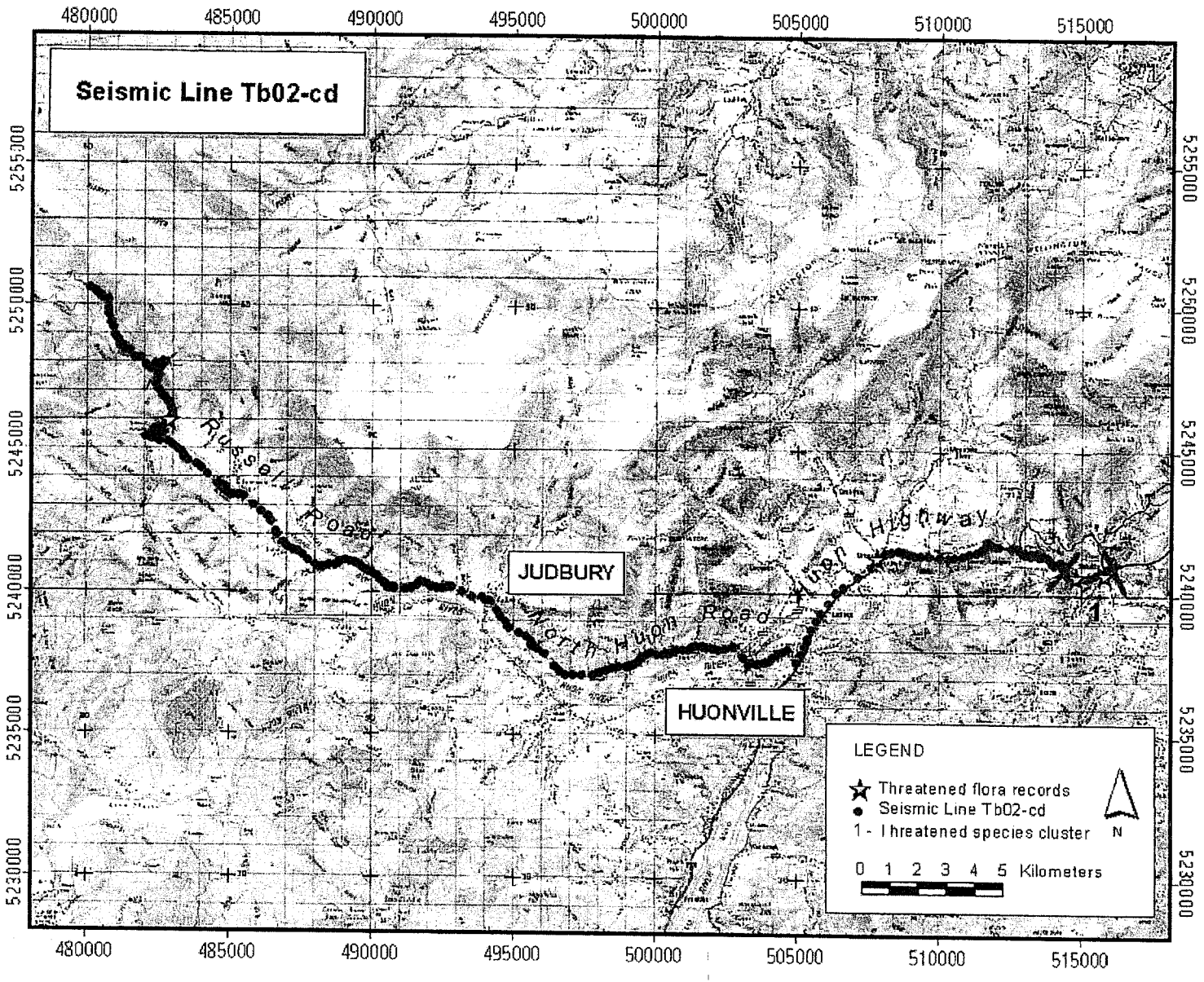

Seismic Line Tb02-bf (south)
480000
485000
490000
495000
500000
505000
5205000
5200000
5195000
5190000
5185000
5180000
5175000
PARK
SOUTHPORT
Old Hastings Road
South Cape Road
4
5
LEGEND
Threatened flora records
Seismic Line Tb02-bf (south)
4 - Threatened species cluster
N
0 1 2 3 4 5 Kilometers

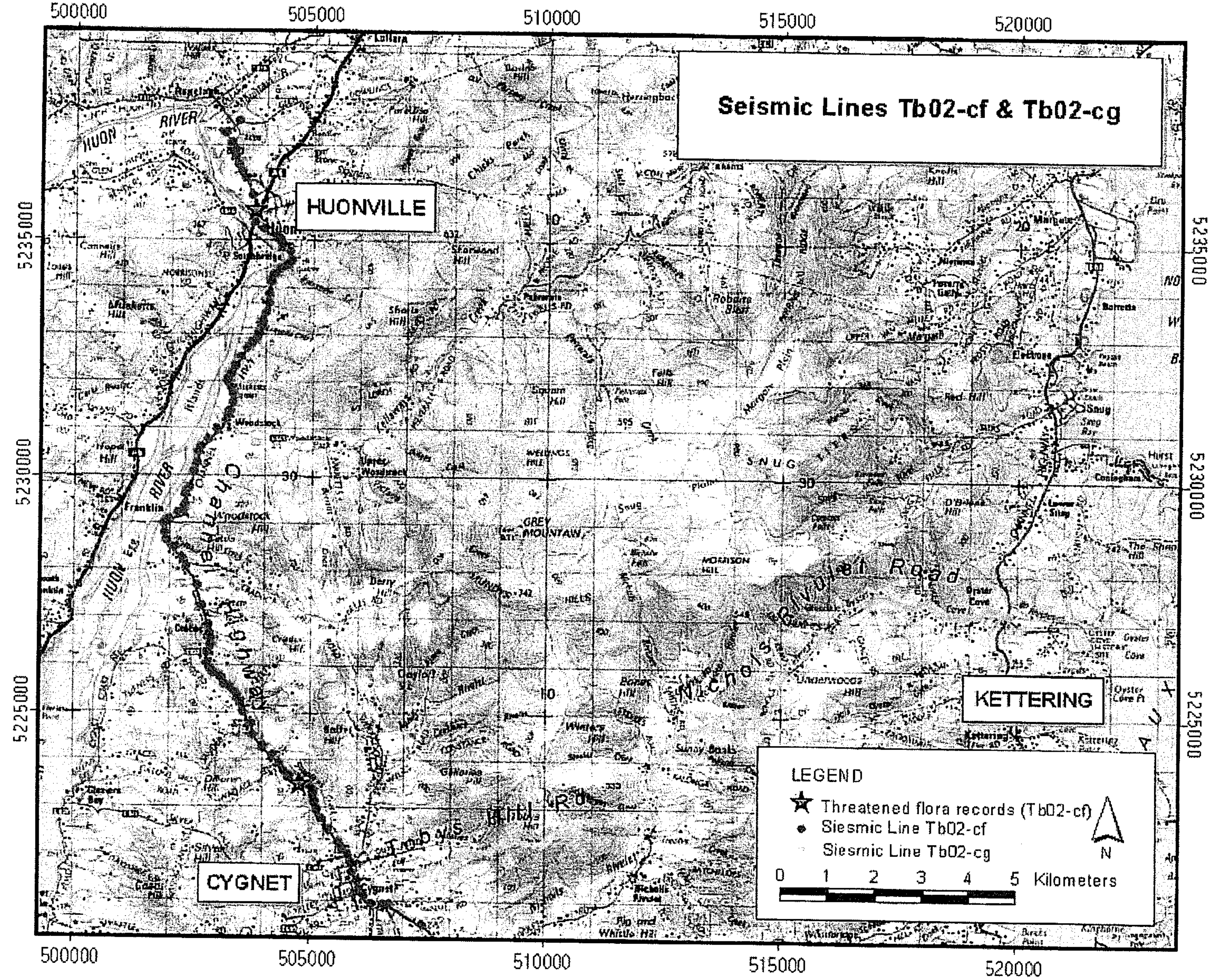

Seismic Line Tb02-bg (north)
515000
520000
525000
530000
5335000
5330000
5325000
5320000
5315000
LAKE
CRESCENT
Interlaken Road
OATLANDS
LEGEND
Threatened flora records
Seismic Line Tb02-bg (north)
N
0 1 2 3 4 5 Kilometers

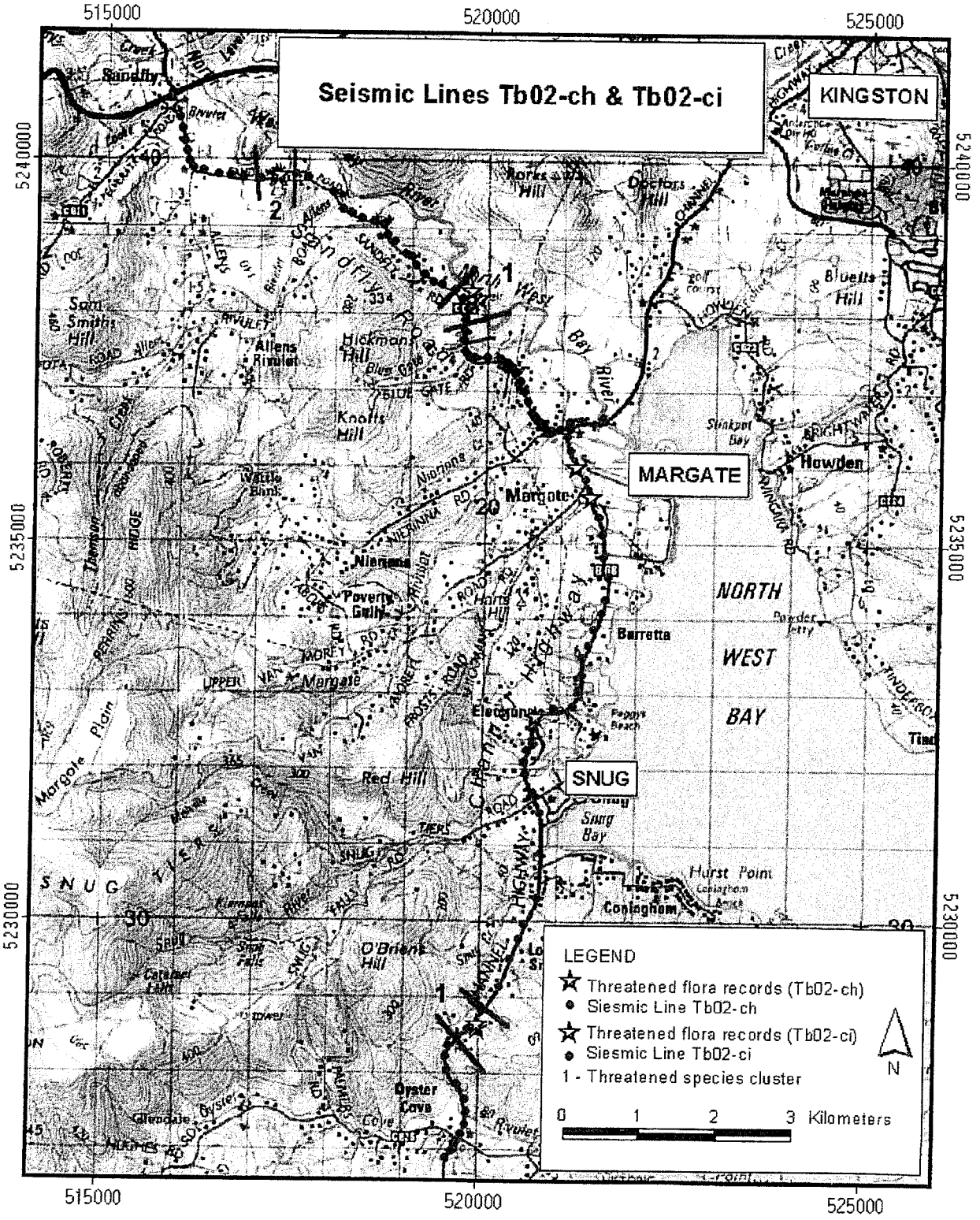

Seismic Line Tb02-bg (south)
OATLANDS
TUNNACK
Tunnack Road
New Country Bush Rd
Buckland Road
1
2
3
LEGEND
Threatened flora records
Seismic Line Tb02-bg (south)
1 - Threatened species cluster
N
0 1 2 3 4 5 Kilometers
520000
525000
530000
535000
540000
545000
550000
555000
560000
565000
5315000
5310000
5305000
5300000
5295000
5290000
5285000

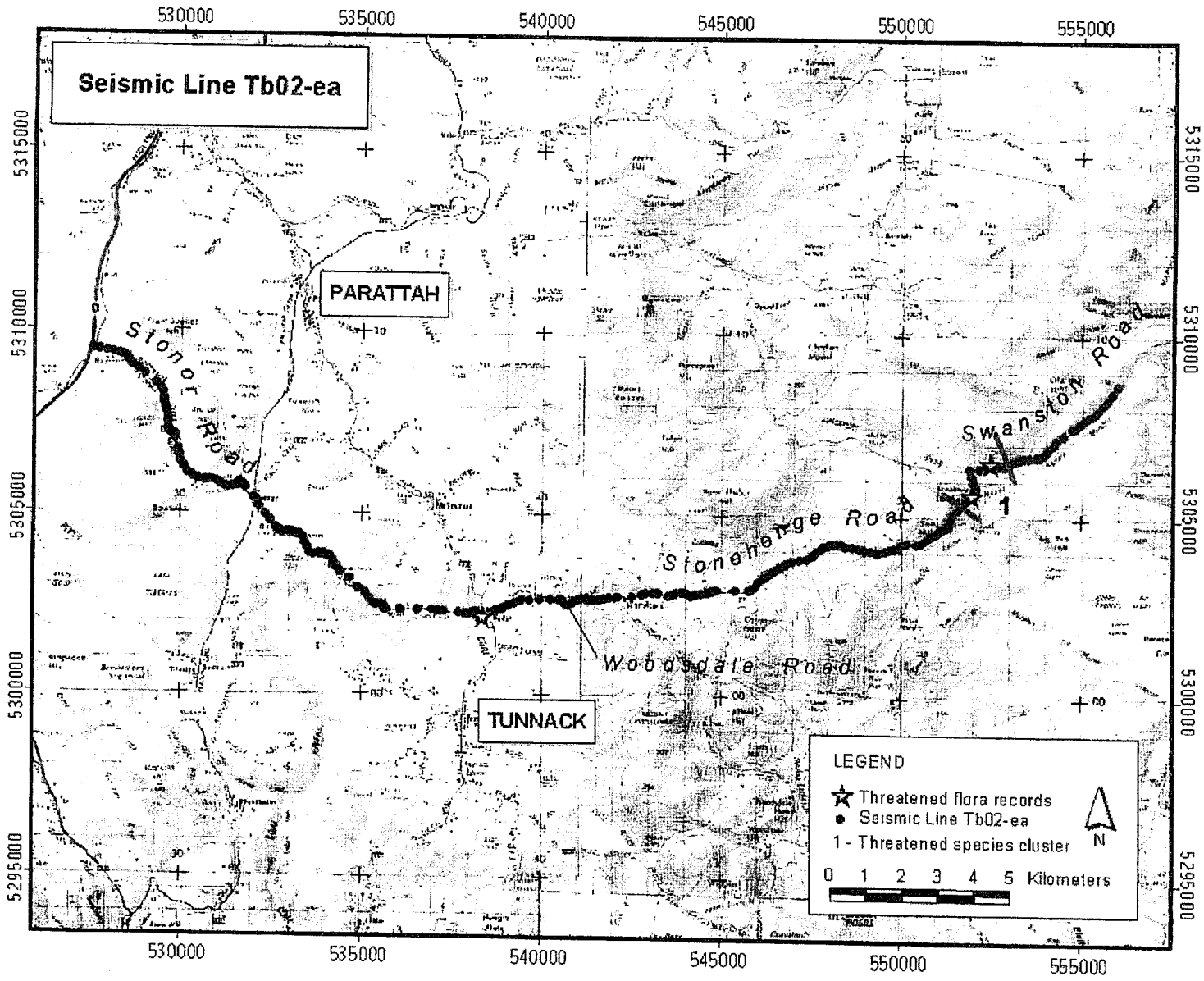

Seismic Line Tb02-bh
445000
450000
455000
460000
465000
5340000
5335000
5330000
5325000
5320000
5315000
Lyell Highway
Fourteen Mile Road
LEGEND
Threatened flora records
Seismic Line Tb02-bh
0 1 2 3 4 5 Kilometers
N

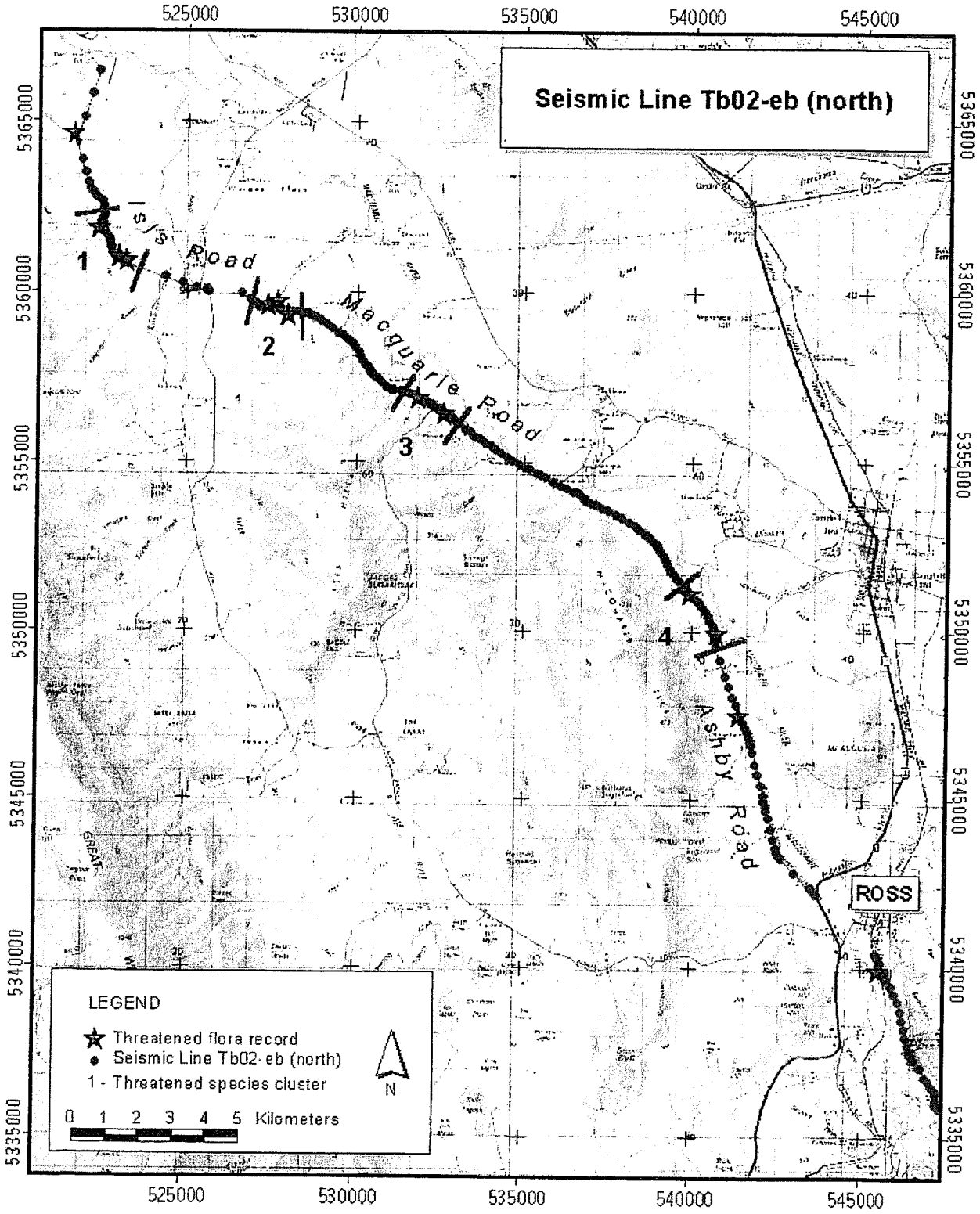

Seismic Line Tb02-bi
520000
525000
530000
535000
5300000
5295000
5290000
5285000
KEMPTON
COLEBROOK
Eldon Road
Yarrington Road
DUDIN MTN
LEGEND
Threatened flora record
Seismic Line Tb02-bi
1 - Threatened species cluster
N
0 1 2 3 4 5 Kilometers

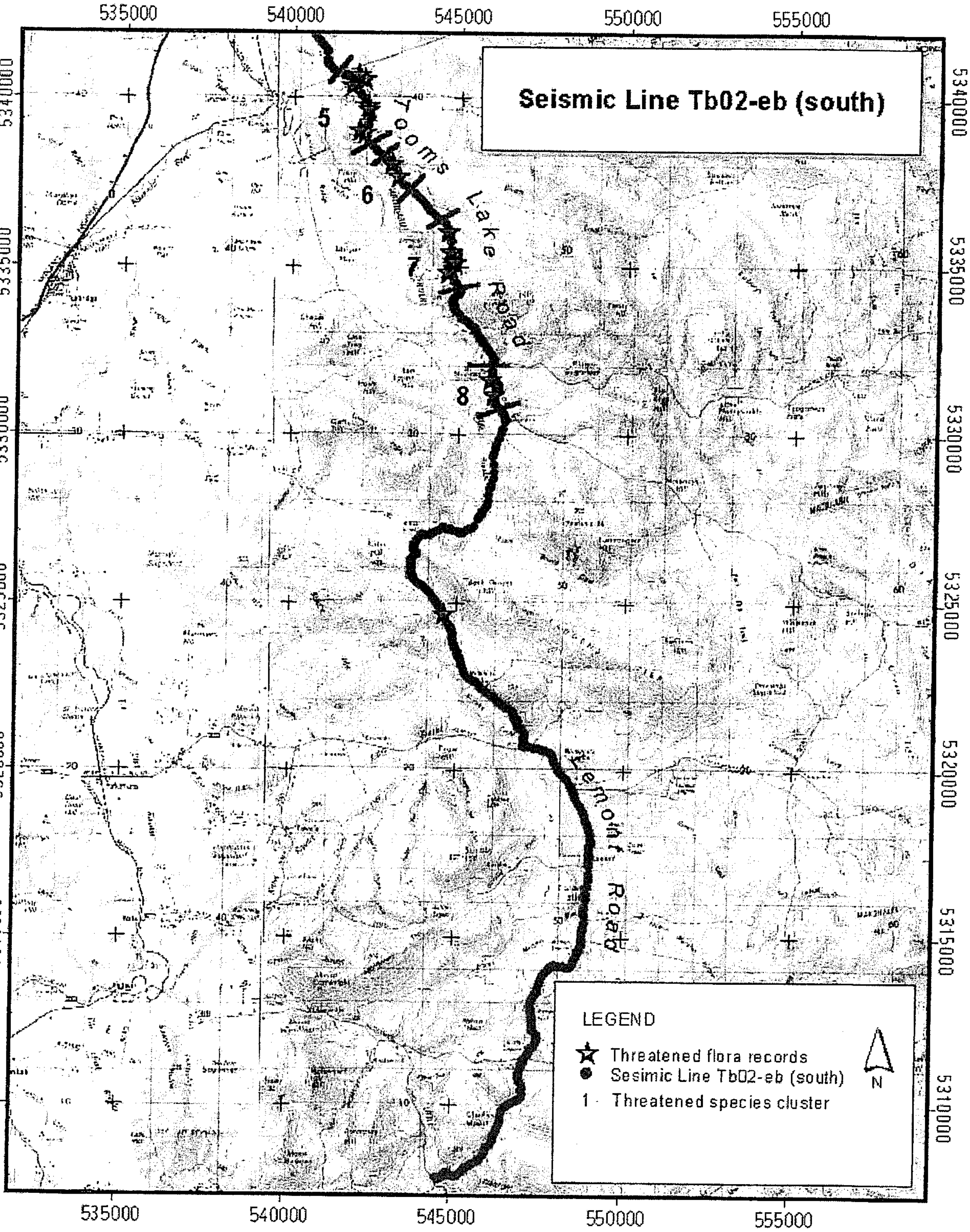

Seismic Line Tb02-cd
480000
485000
490000
495000
500000
505000
510000
515000
5255000
5250000
5245000
5240000
5235000
5230000
Russel Road
JUDBURY
North Huon Road
Huon Highway
HUONVILLE
LEGEND
Threatened flora records
Seismic Line Tb02-cd
1 - Threatened species cluster
N
0 1 2 3 4 5 Kilometers


Seismic Lines Tb02-cf & Tb02-cg
HUONVILLE
CYGNET
KETTERING
LEGEND
Threatened flora records (Tb02-cf)
Siesmic Line Tb02-cf
Siesmic Line Tb02-cg
N
0 1 2 3 4 5 Kilometers
500000
505000
510000
515000
520000
5235000
5230000
5225000

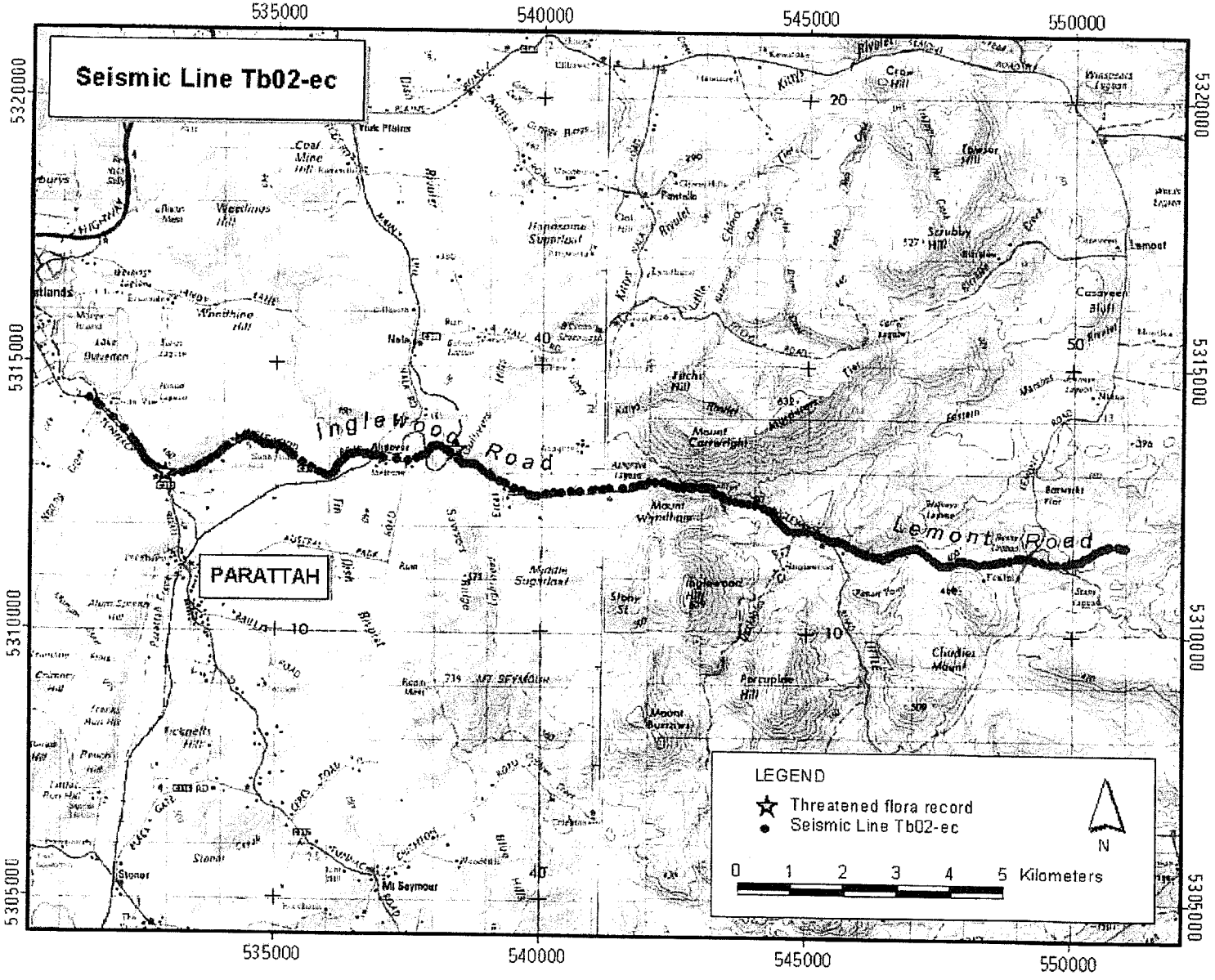

Seismic Lines Tb02-ch & Tb02-ci
KINGSTON
MARGATE
SNUG
NORTH
WEST
BAY
515000
520000
525000
5240000
5235000
5230000
LEGEND
Threatened flora records (Tb02-ch)
Siesmic Line Tb02-ch
Threatened flora records (Tb02-ci)
Siesmic Line Tb02-ci
1 - Threatened species cluster
N
0 1 2 3 Kilometers

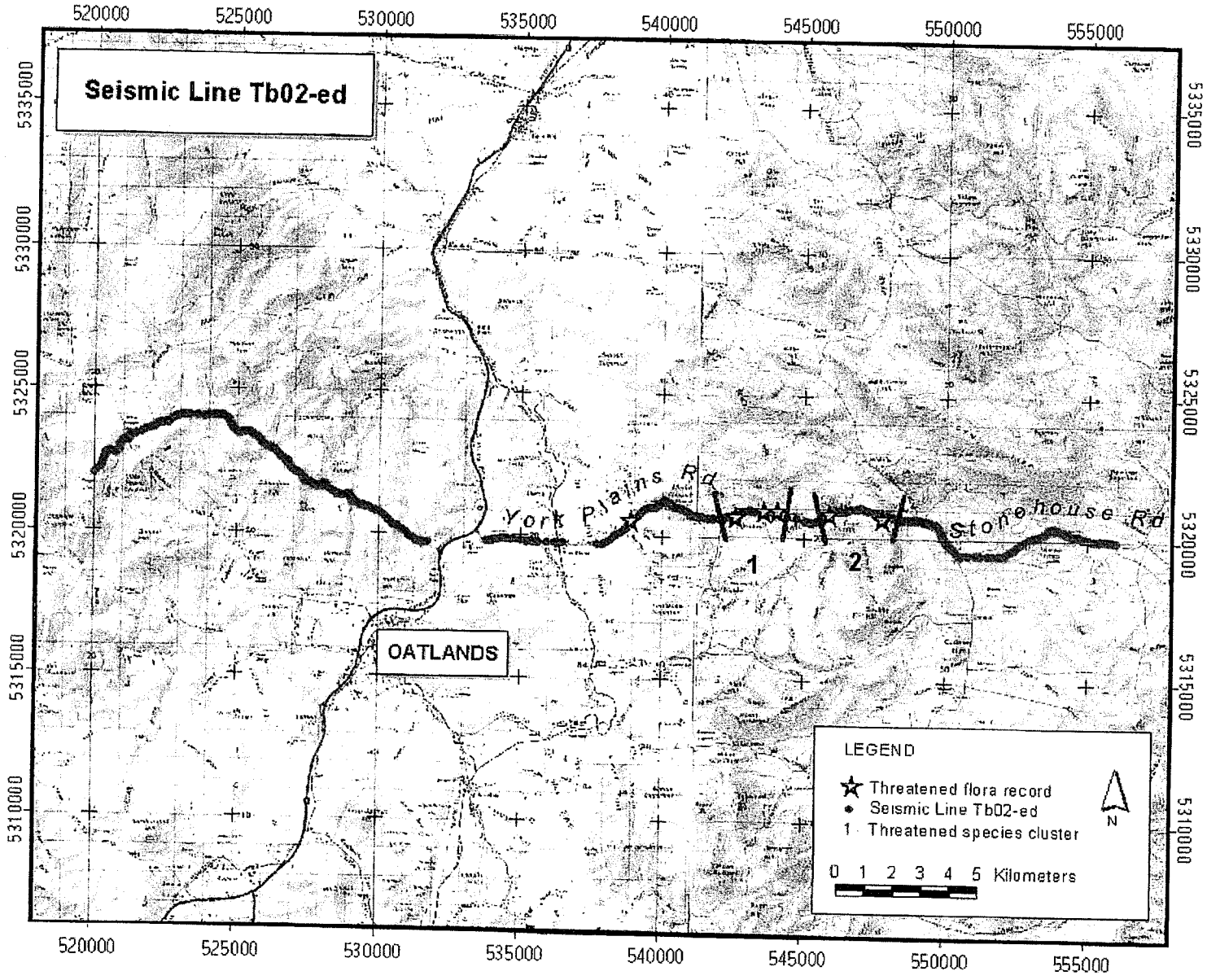

Seismic Line Tb02-ea
PARATTAH
TUNNACK
Stonehenge Road
Woodsdale Road
Swanston Road
1
LEGEND
Threatened flora records
Seismic Line Tb02-ea
1 - Threatened species cluster
N
0 1 2 3 4 5 Kilometers
530000
535000
540000
545000
550000
555000
5315000
5310000
5305000
5300000
5295000

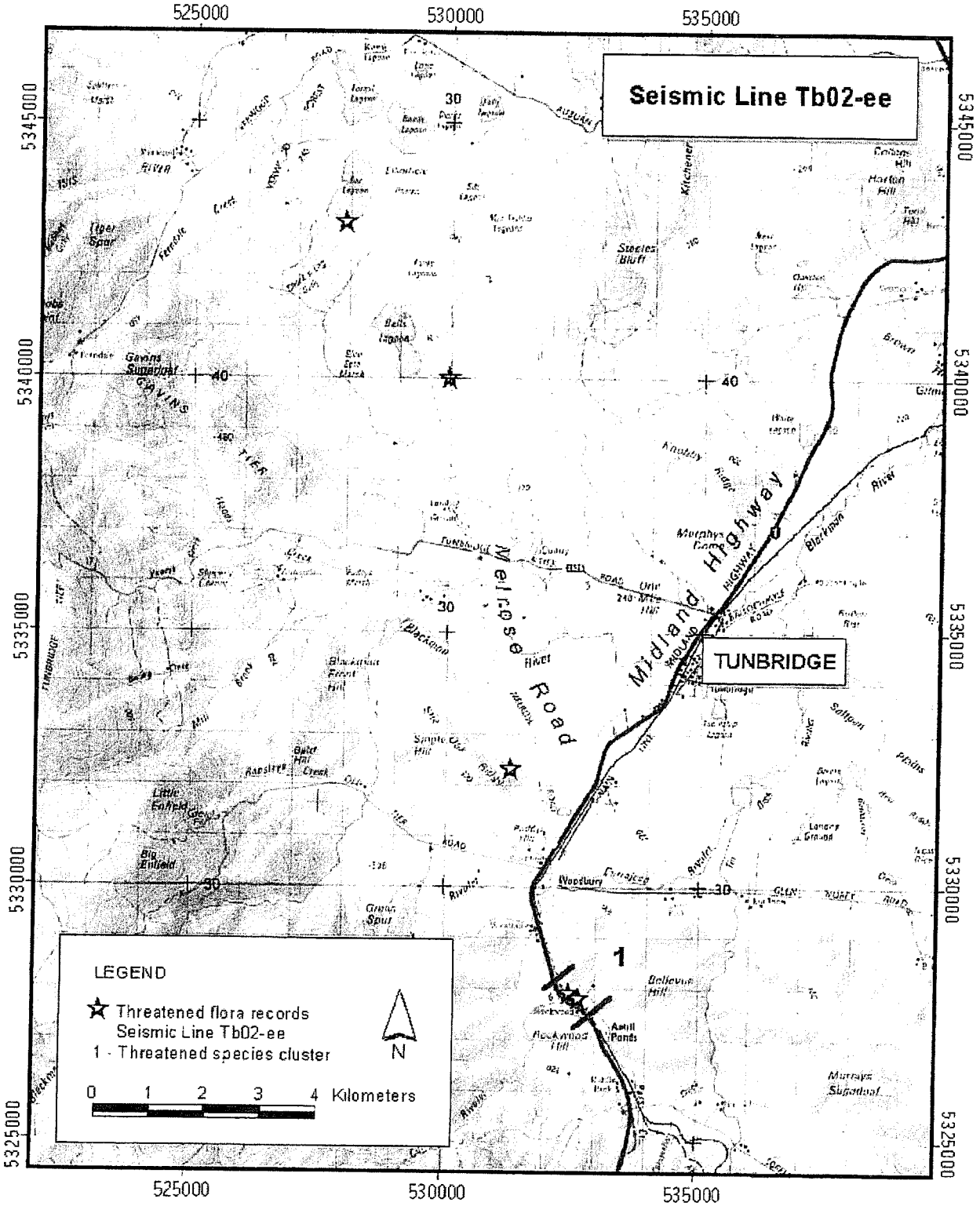

Seismic Line Tb02-eb (north)
525000
530000
535000
540000
545000
5365000
5360000
5355000
5350000
5345000
5340000
5335000
1
2
3
4
Macquarie Road
Ashby Road
ROSS
LEGEND
Threatened flora record
Seismic Line Tb02-eb (north)
1 - Threatened species cluster
N
0 1 2 3 4 5 Kilometers

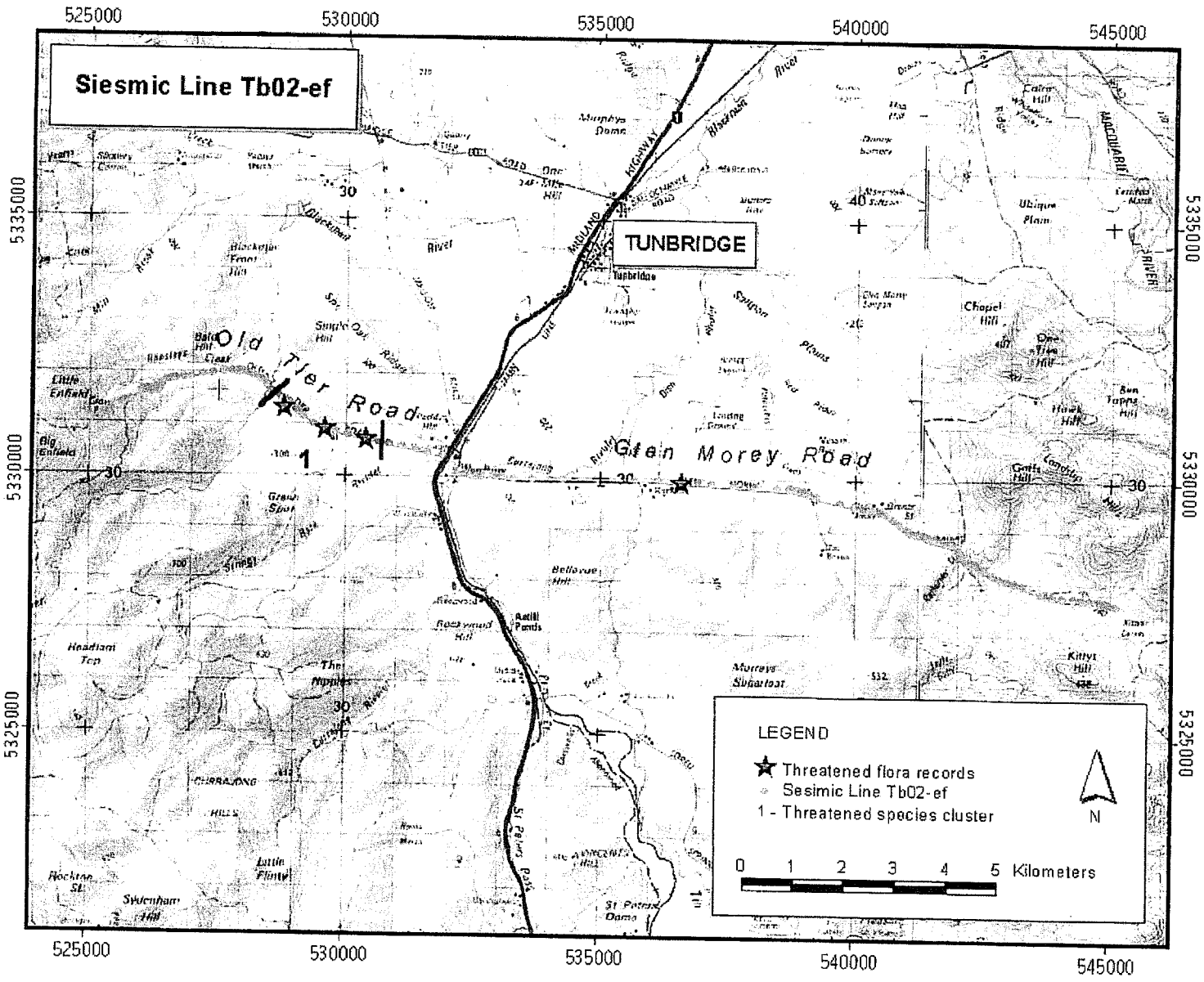


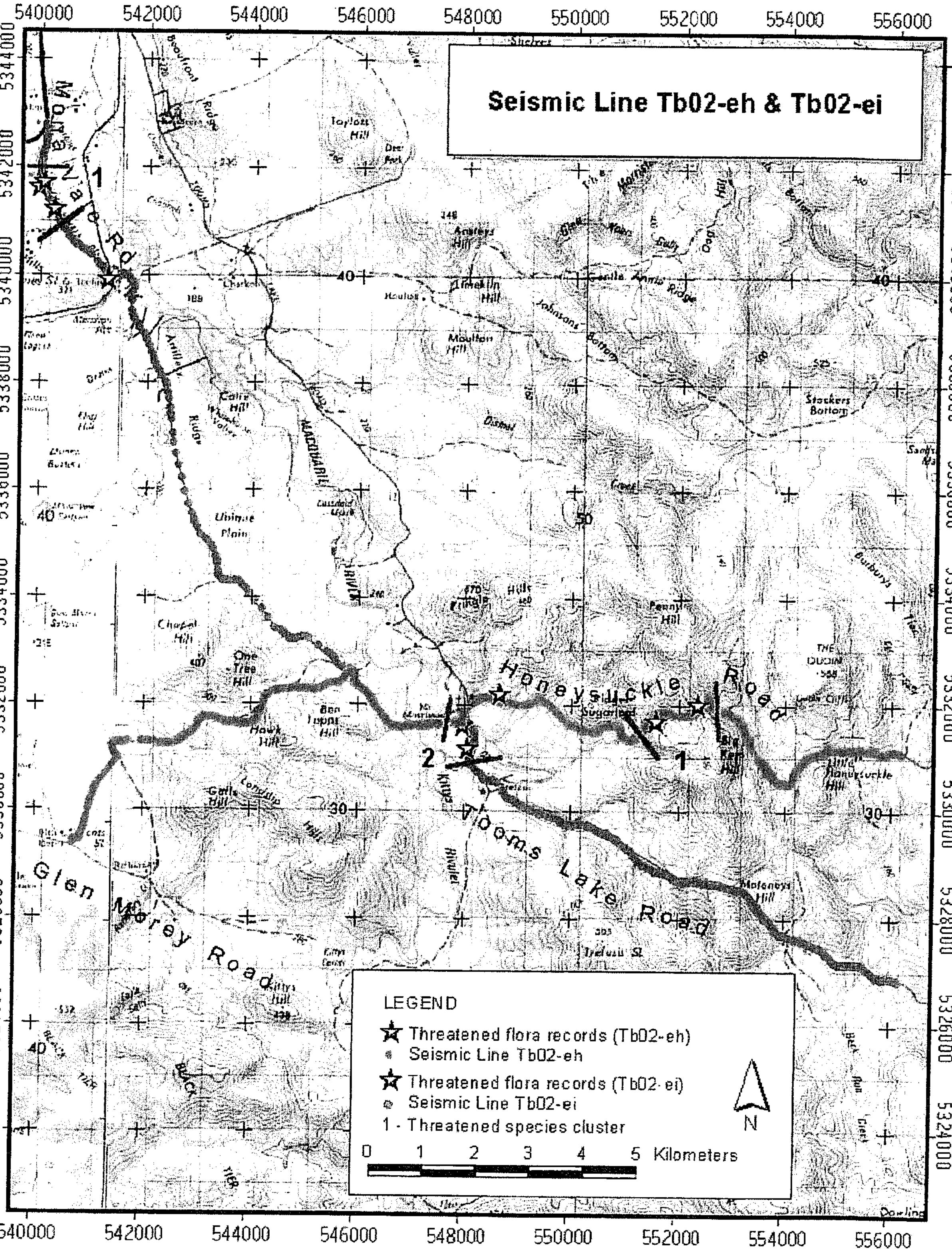
Seismic Line Tb02-eb (south)
LEGEND
Threatened flora records
Sesimic Line Tb02-eb (south)
1 · Threatened species cluster
N
Tooms Lake Road
Lemont Road
5
6
7
8
535000
540000
545000
550000
555000
5310000
5315000
5320000
5325000
5330000
5335000
5340000

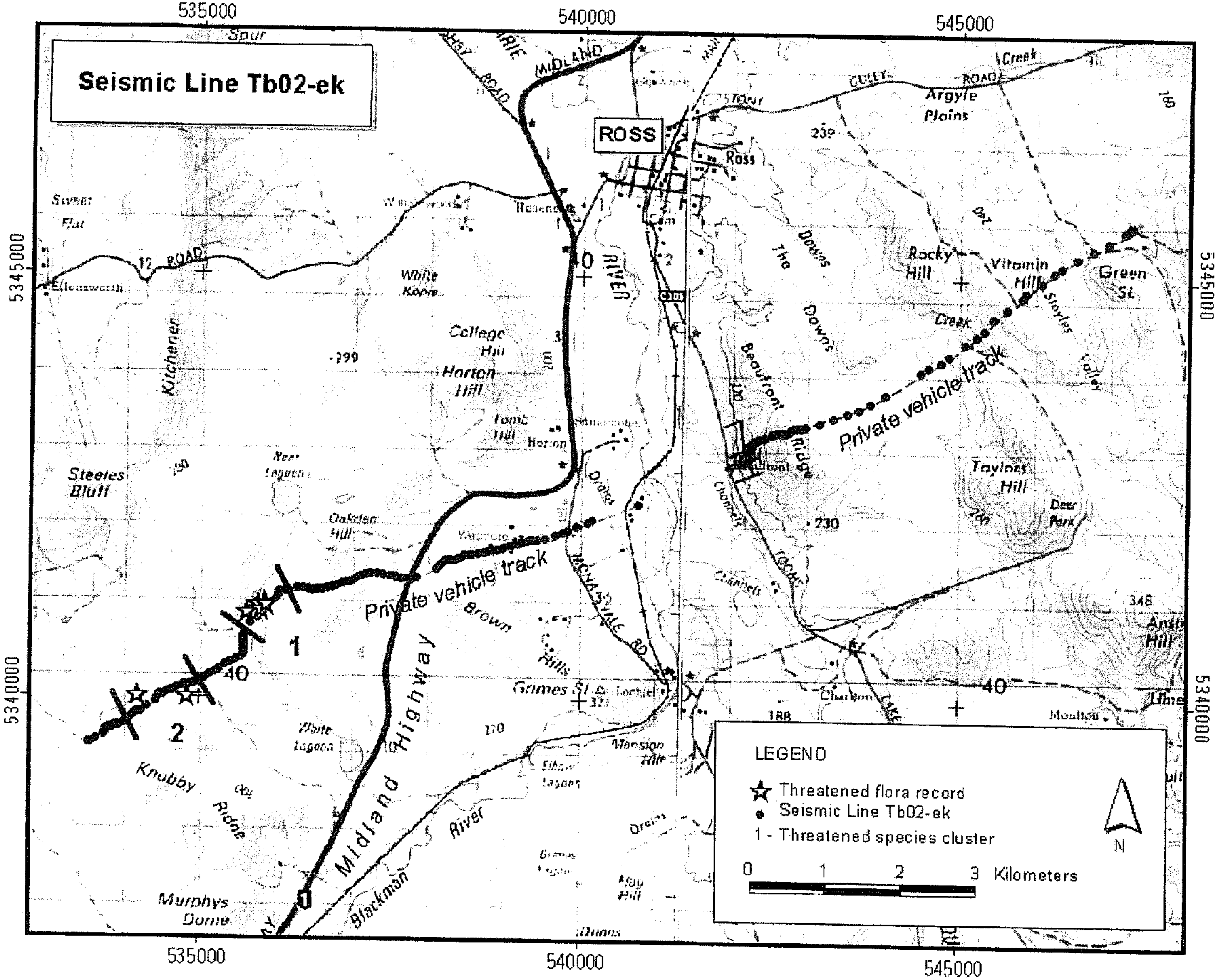

Seismic Line Tb02-ec
535000
540000
545000
550000
5320000
5315000
5310000
5305000
Inglewood Road
Lemont Road
PARATTAH
LEGEND
Threatened flora record
Seismic Line Tb02-ec
N
0 1 2 3 4 5 Kilometers


Seismic Line Tb02-ed
520000
525000
530000
535000
540000
545000
550000
555000
5335000
5330000
5325000
5320000
5315000
5310000
York Plains Rd
Stonehouse Rd
1
2
OATLANDS
LEGEND
Threatened flora record
Seismic Line Tb02-ed
1 Threatened species cluster
N
0 1 2 3 4 5 Kilometers

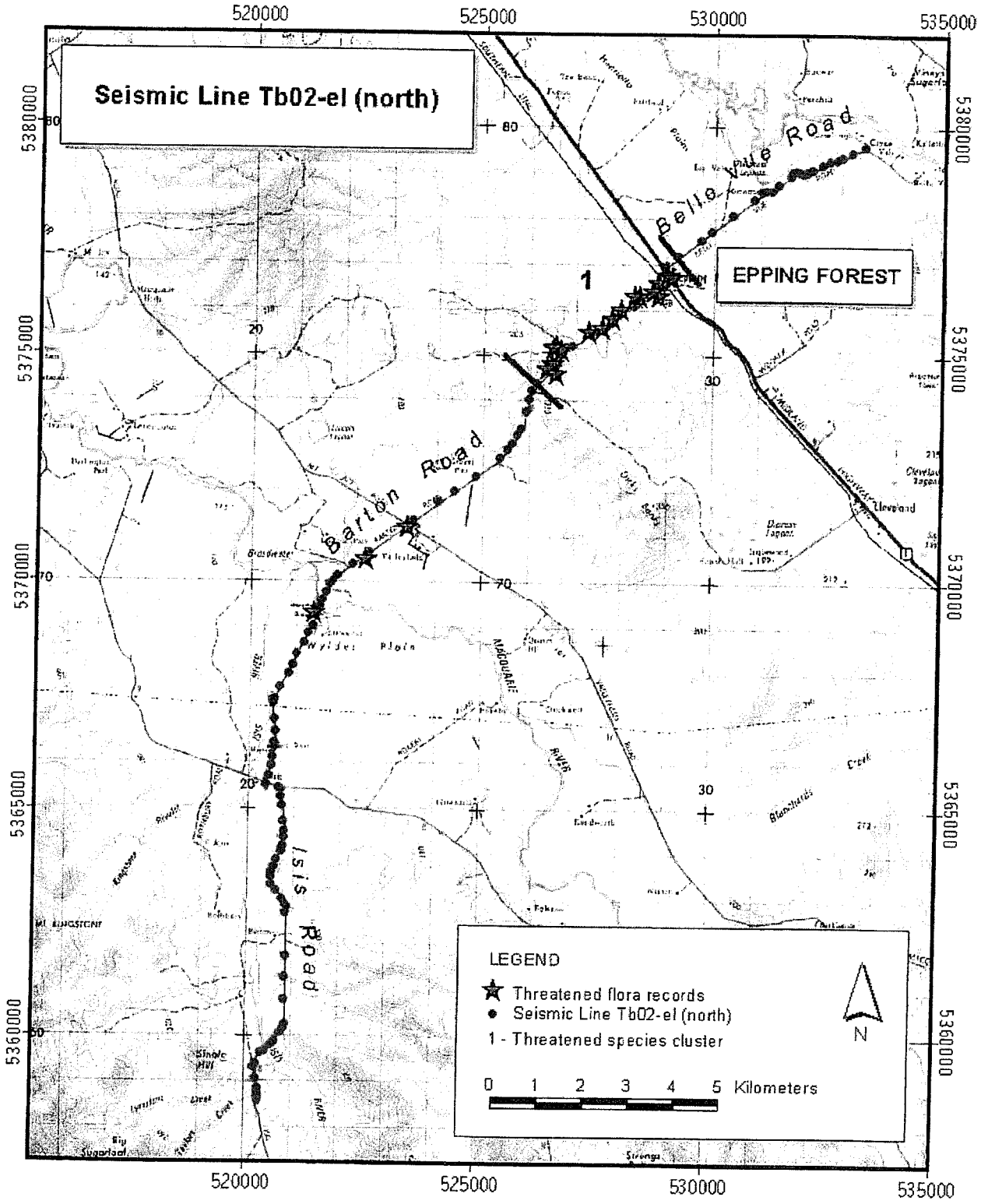

Seismic Line Tb02-ee
525000
530000
535000
5345000
5340000
5335000
5330000
5325000
TUNBRIDGE
Midland Highway
Melrose Road
LEGEND
Threatened flora records
Seismic Line Tb02-ee
1 - Threatened species cluster
N
0 1 2 3 4 Kilometers

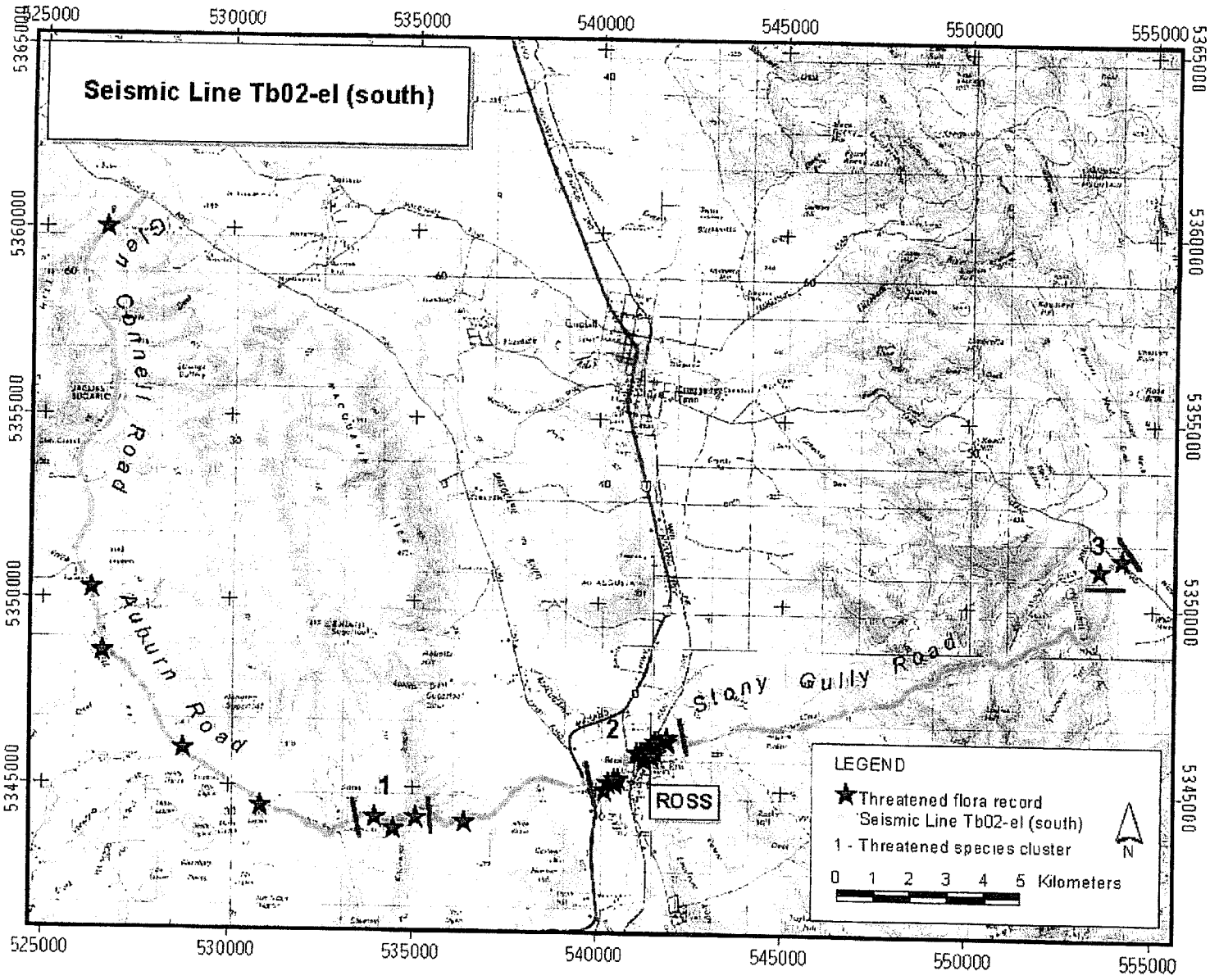

Siesmic Line Tb02-ef
TUNBRIDGE
Old Tyer Road
Glen Morey Road
525000
530000
535000
540000
545000
5335000
5330000
5325000
LEGEND
Threatened flora records
Sesimic Line Tb02-ef
1 - Threatened species cluster
N
0 1 2 3 4 5 Kilometers

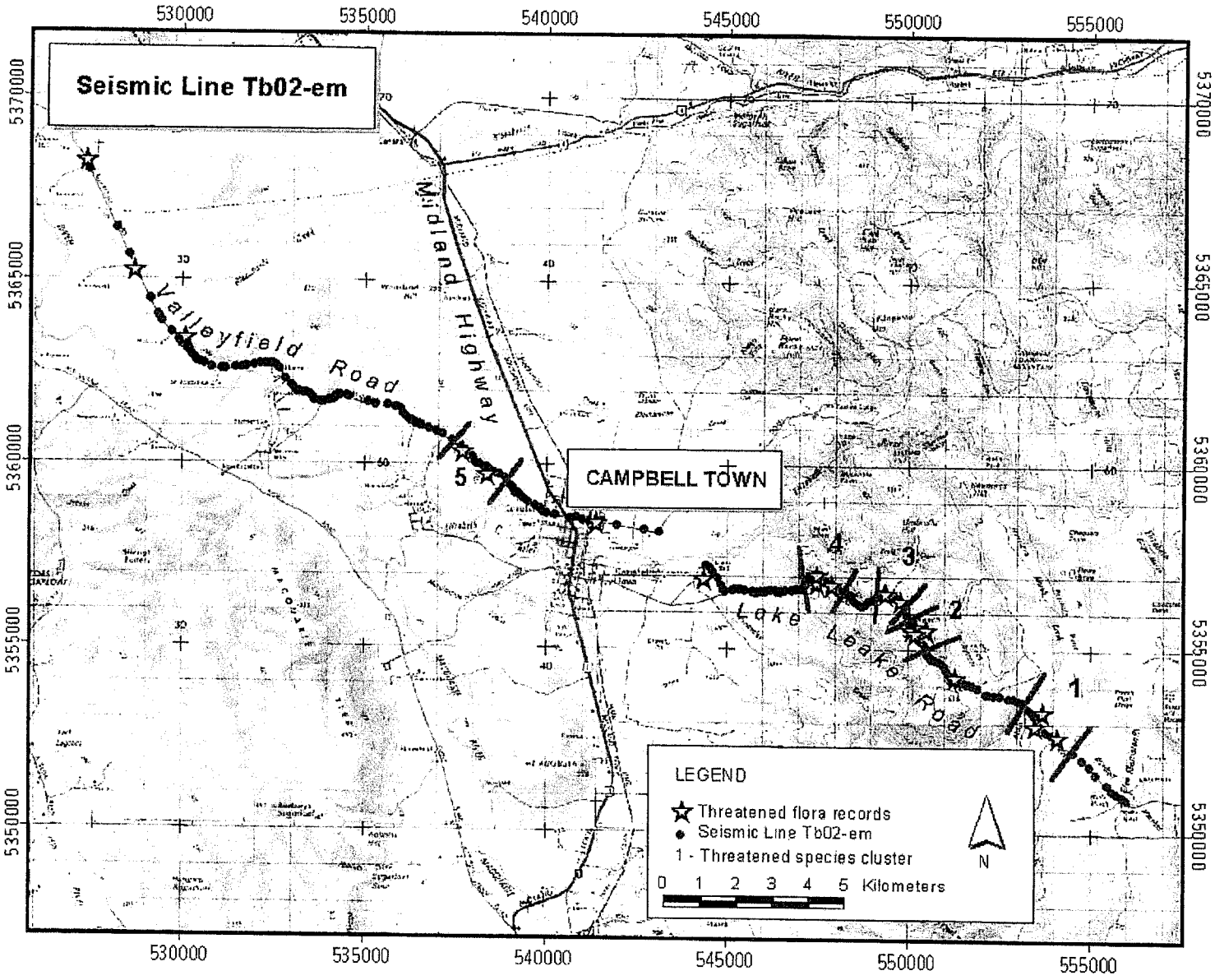

Seismic Line Tb02-eh & Tb02-ei
LEGEND
Threatened flora records (Tb02-eh)
Seismic Line Tb02-eh
Threatened flora records (Tb02-ei)
Seismic Line Tb02-ei
1 - Threatened species cluster
N
0 1 2 3 4 5 Kilometers
540000
542000
544000
546000
548000
550000
552000
554000
556000
5324000
5326000
5328000
5330000
5332000
5334000
5336000
5338000
5340000
5342000
5344000
Honeysuckle Road
Vooms Lake Road
Glen Morey Road
Moina Rd
1
2
Stackers Bottom
Johnsons Bottom
Moulton Hill
Pennys Hill
Chapel Hill
One Tree Hill
Hawk Hill
Ben Lupus Hill
Taylors Hill
Sugarloaf
Ubique Plain
Malonys Hill
Kittys Hill

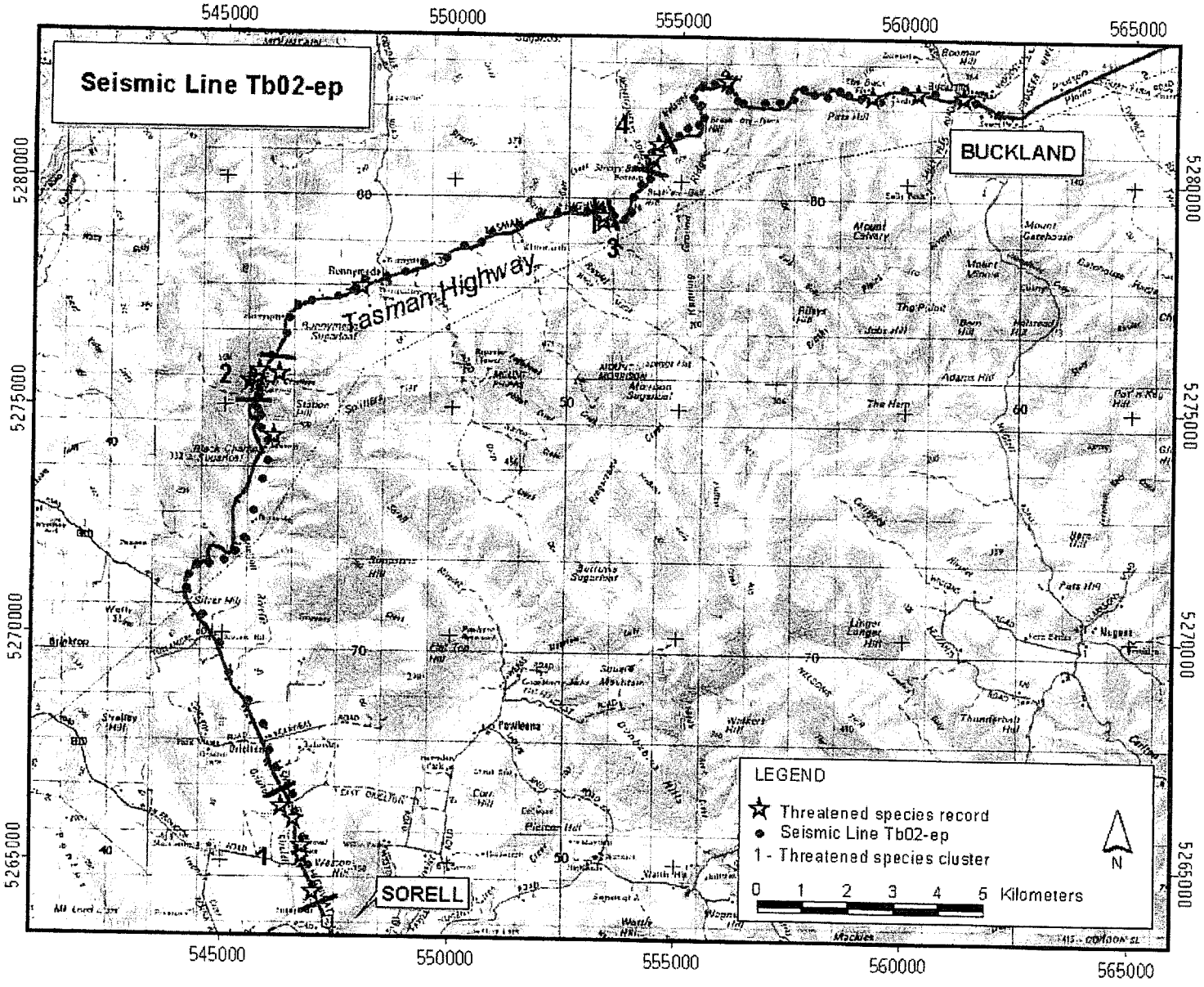


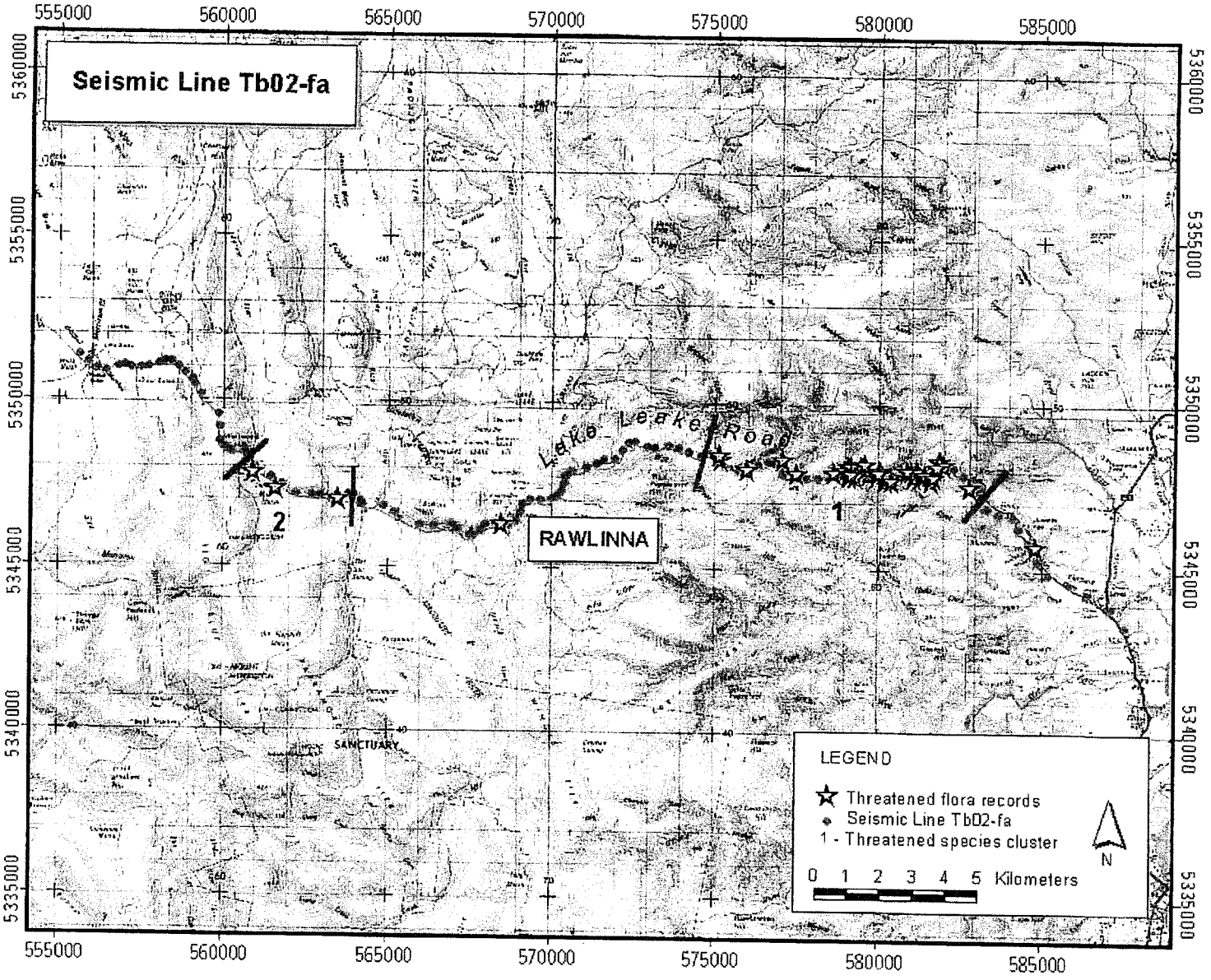
Seismic Line Tb02-ek
ROSS
Ross
Midland Highway
Private vehicle track
Private vehicle track
Argyle Plains
Rocky Hill
Vitamin Hill
Green St.
Taylors Hill
Deer Park
College Hill
Horton Hill
Tomb Hill
Steeles Bluff
Kitchener
White Kopje
Knubby Ridge
Murphys Dome
White Lagoon
Brown Hills
Grimes St
Mansion Hill
Beaufront Ridge
The Downs
Blackman River
RIVER
Sweet Flat
LEGEND
Threatened flora record
Seismic Line Tb02-ek
1 - Threatened species cluster
0 1 2 3 Kilometers
N
535000
540000
545000
5345000
5340000


Seismic Line Tb02-el (north)
520000
525000
530000
535000
5380000
5375000
5370000
5365000
5360000
Belle Vue Road
Barton Road
Isis Road
EPPING FOREST
1
LEGEND
Threatened flora records
Seismic Line Tb02-el (north)
1 - Threatened species cluster
N
0 1 2 3 4 5 Kilometers


Seismic Line Tb02-el (south)
525000
530000
535000
540000
545000
550000
555000
5365000
5360000
5355000
5350000
5345000
O'Connell Road
Auburn Road
Stony Gully Road
ROSS
1
2
3
LEGEND
Threatened flora record
Seismic Line Tb02-el (south)
1 - Threatened species cluster
N
0 1 2 3 4 5 Kilometers


Seismic Line Tb02-em
530000
535000
540000
545000
550000
555000
5370000
5365000
5360000
5355000
5350000
Valleyfield Road
Midland Highway
CAMPBELL TOWN
Lake Leake Road
1
2
3
4
5
LEGEND
Threatened flora records
Seismic Line Tb02-em
1 - Threatened species cluster
0 1 2 3 4 5 Kilometers
N


Seismic Line Tb02-ep
BUCKLAND
SORELL
Tasman Highway
545000
550000
555000
560000
565000
5280000
5275000
5270000
5265000
LEGEND
Threatened species record
Seismic Line Tb02-ep
1 - Threatened species cluster
N
0 1 2 3 4 5 Kilometers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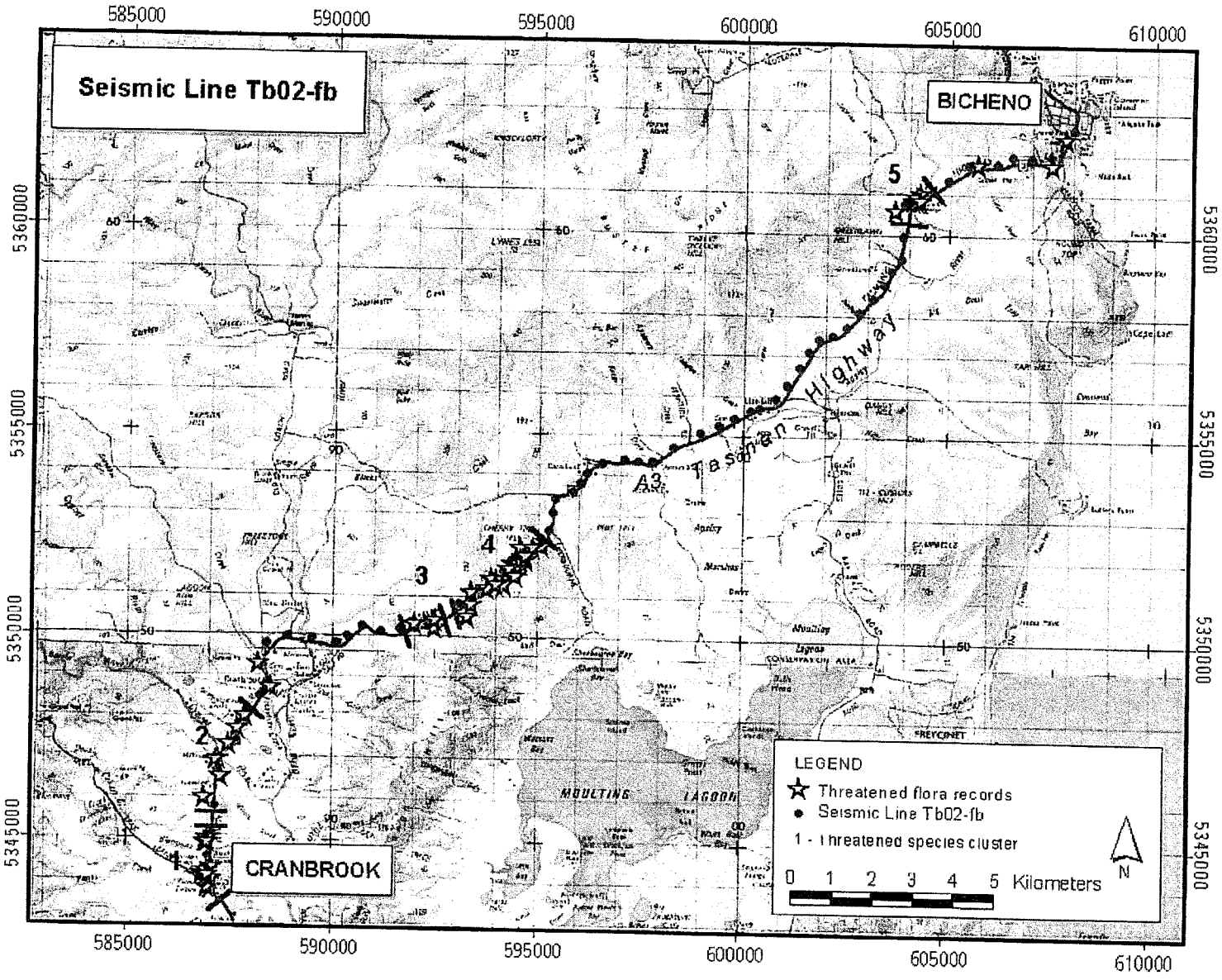
560000
565000
570000
575000
580000
585000
5360000
5355000
5350000
5345000
5340000
5335000
Lake Leake Road
RAWLINNA
SANCTUARY
1
2
LEGEND
Threatened flora records
Seismic Line Tb02-fa
1 - Threatened species cluster
N
0 1 2 3 4 5 Kilometers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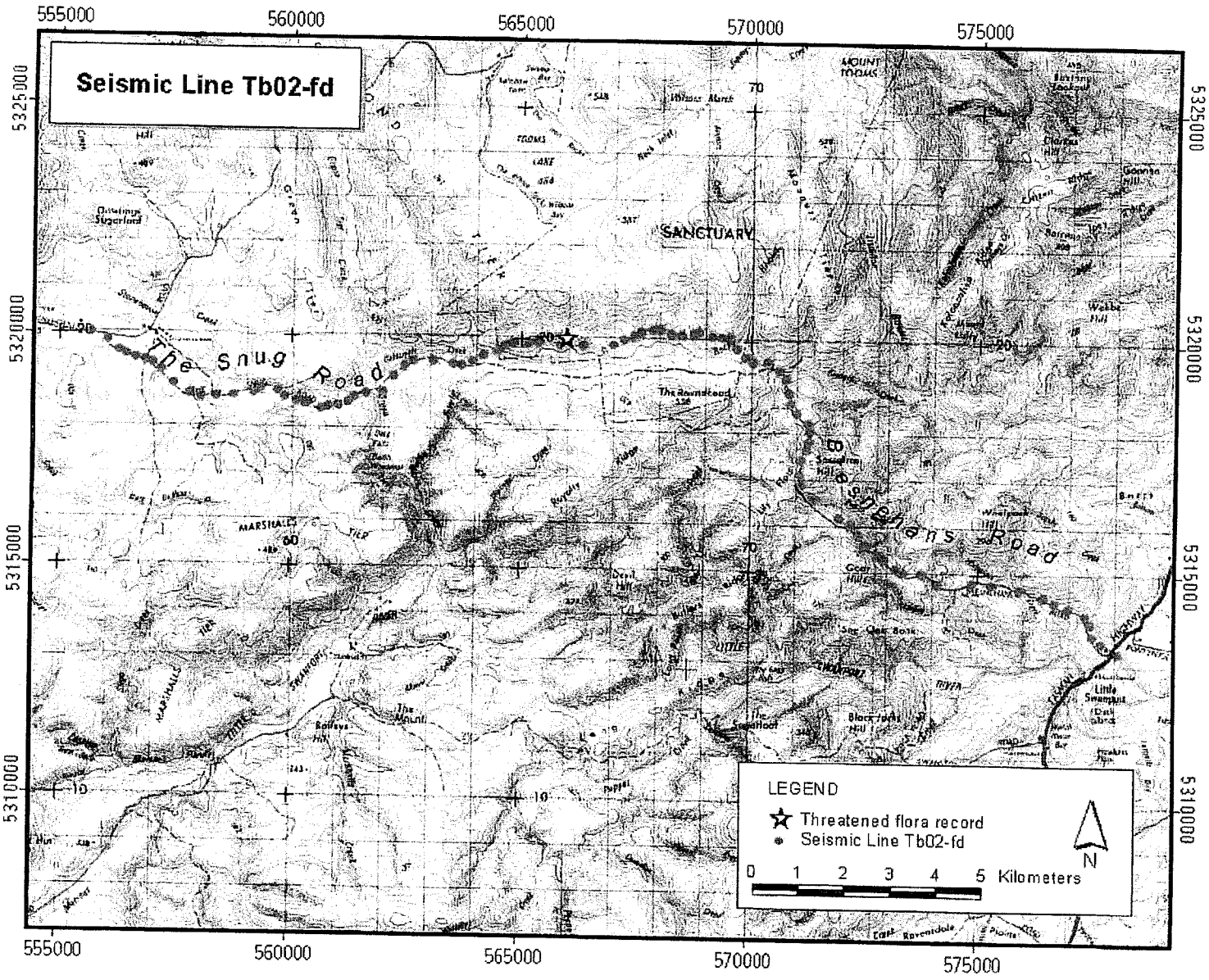
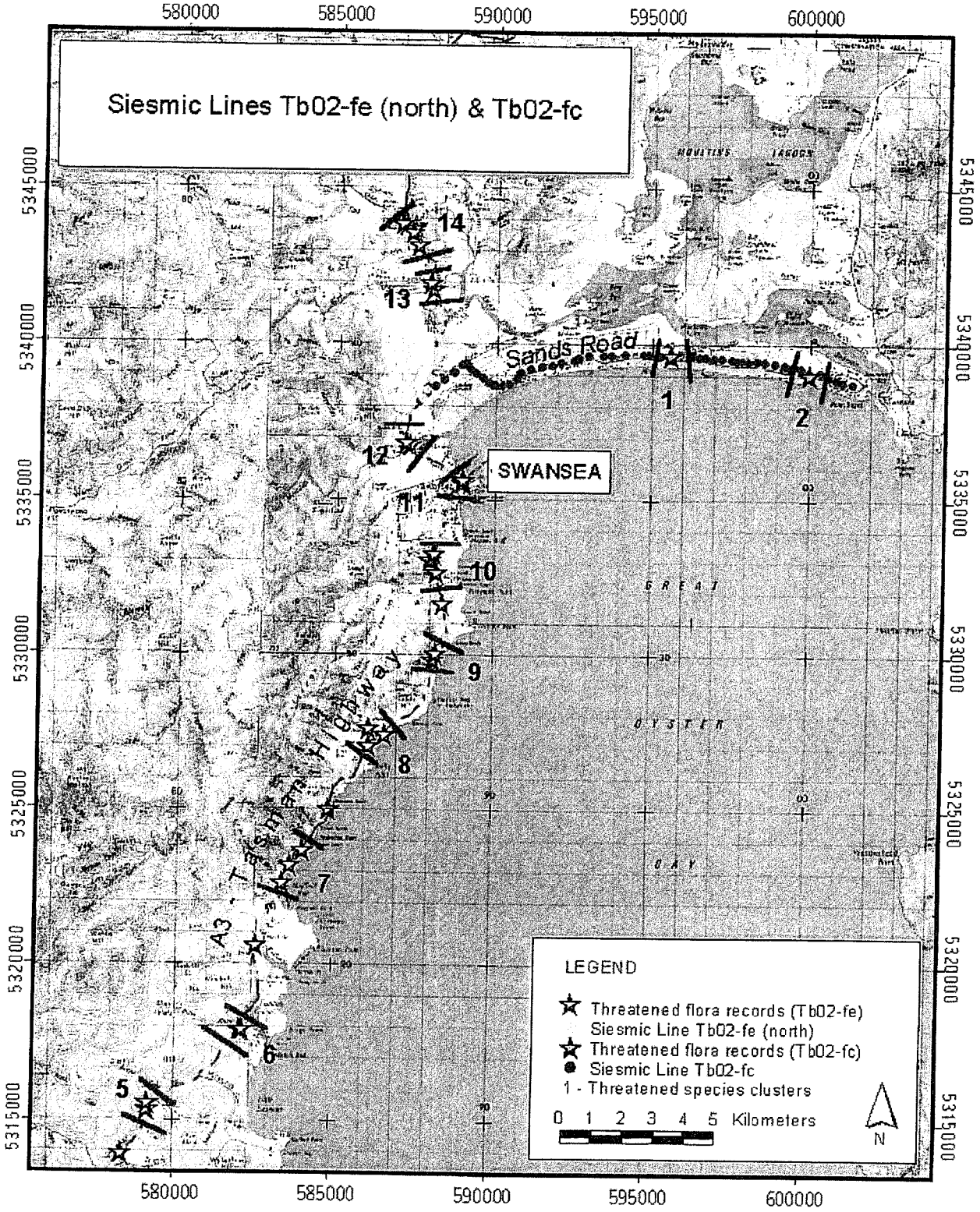
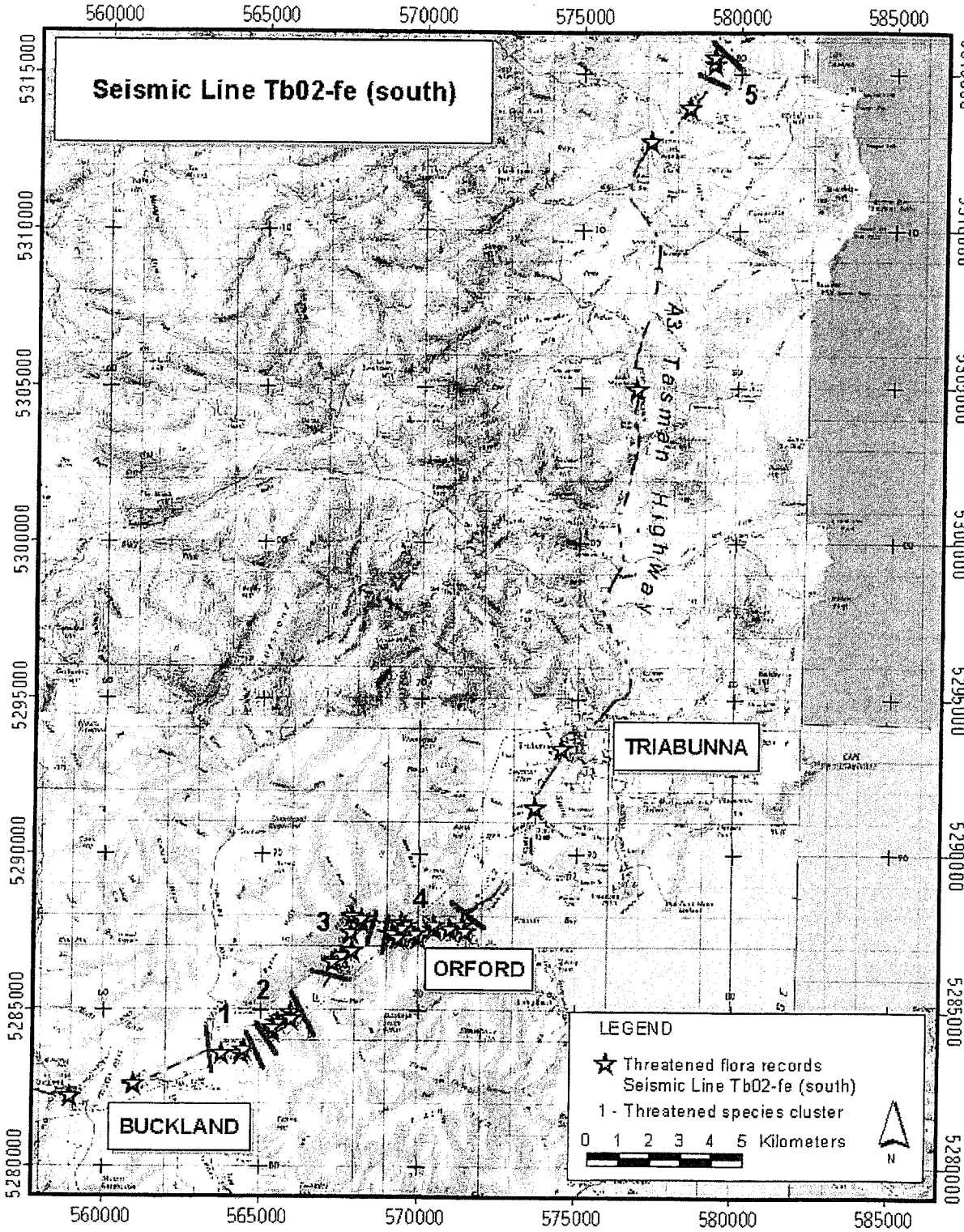
BICHENO
CRANBROOK
Tasman Highway
A3
MOULTING LAGOON
FREYCINET
585000
590000
595000
600000
605000
610000
5360000
5355000
5350000
5345000
1
2
3
4
5
LEGEND
Threatened flora records
Seismic Line Tb02-fb
1 - Threatened species cluster
0 1 2 3 4 5 Kilometers
N


Seismic Line Tb02-fd
555000
560000
565000
570000
575000
5325000
5320000
5315000
5310000
The Snug Road
Esplanade Road
SANCTUARY
MARSHALLS
LEGEND
Threatened flora record
Seismic Line Tb02-fd
N
0 1 2 3 4 5 Kilometers


Siesmic Lines Tb02-fe (north) & Tb02-fc
580000
585000
590000
595000
600000
5345000
5340000
5335000
5330000
5325000
5320000
5315000
Sands Road
SWANSEA
GREAT
OYSTER
BAY
A3
Tasman Highway
1
2
5
6
7
8
9
10
11
12
13
14
LEGEND
Threatened flora records (Tb02-fe)
Siesmic Line Tb02-fe (north)
Threatened flora records (Tb02-fc)
Siesmic Line Tb02-fc
1 - Threatened species clusters
0 1 2 3 4 5 Kilometers
N


Seismic Line Tb02-fe (south)
560000
565000
570000
575000
580000
585000
5315000
5310000
5305000
5300000
5295000
5290000
5285000
5280000
A3 Tasman Highway
TRIABUNNA
ORFORD
BUCKLAND
1
2
3
4
5
LEGEND
Threatened flora records
Seismic Line Tb02-fe (south)
1 - Threatened species cluster
0 1 2 3 4 5 Kilometers
N

APPENDIX 2 – Tables of threatened species records

Tb02-aa

Monpeelyata Road - Manclesfield Road - forestry roads - Mentmore Road - Victoria Valley Road (North -South)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Hymenochilus pratensis	liawenee greenhood	2000	r	VU
Colobanthus curtisiae	curtis' colobanth	100	r	VU
Stellaria multiflora	rayless starwort	100	r	
Viola cunninghamii	cunningham's violet	100	r	
Persoonia muelleri angustifolia	mueller's geebung	1000	r	
Brachyscome radicata	rooted daisy	10	r	
Uncinia elegans	handsome hook sedge	200	r	

Threatened Species Cluster #	Coordinates	
	Start	Stop
1	468000E, 5346850N	468150E, 5346800N

Tb02-ba

Poatina Road - Waddamana Road - Bashan Road - Victoria Valley Road - farm tracks (North - South)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Epacris acuminata	clasping-leaf heath	100	r	EN
Epilobium willisii	carpet willowherb	1000	r	
Carex longebrachiata	drooping sedge	1000	r	
Pellaea calidirupium	hot rock fern	5000	r	
Epacris acuminata	clasping-leaf heath	2500	r	EN
Epacris acuminata	clasping-leaf heath	100	r	EN
Epacris acuminata	clasping-leaf heath	100	r	EN
Epacris acuminata	clasping-leaf heath	100	r	EN
Lobelia pratioides	poison lobelia	5000	v	
Rhodanthe anthemoides	chamomile sunray	100	r	
Trithuria submersa	trithuria	22000	r	
Hovea montana	mountain hovea	500	r	
Asperula scoparia scoparia	prickly woodruff	100	r	
Discaria pubescens	hairy anchor plant	100	e	
Discaria pubescens	hairy anchor plant	100	e	
Discaria pubescens	hairy anchor plant	100	e	
Discaria pubescens	hairy anchor plant	100	e	
Discaria pubescens	hairy anchor plant	100	e	
Discaria pubescens	hairy anchor plant	100	e	
Barbarea australis	native wintercress	10	e	CR
Muehlenbeckia axillaris	matted lignum	1850	r	
Epacris exserta	south esk heath	1850	v	EN
Olearia hookeri	hooker's daisy bush	10	r	
Hovea montana	mountain hovea	10	r	
Scleranthus brockiei	brock knawel	10	r	
Olearia hookeri	hooker's daisy bush	10	r	
Scleranthus brockiei	brock knawel	10	r	
Acacia siculiformis	dagger wattle	10	r	
Scleranthus brockiei	brock knawel	10	r	
Eucalyptus gunnii divaricata	miena cider gum	100	e	EN
Xanthoparmelia willisii		10000	e	
Xanthoparmelia willisii		1000	e	
Xanthoparmelia willisii		1000	e	

Threatened Species Cluster #	Coordinates Start	Stop
1	486550E, 5348550N	483000E, 5347100N
2	479500E, 5334600N	479450E, 5332400N
3	479100E, 5330400N	479050E, 5330000N

Tb02-bb

Dunrobin Road - Lake Repulse Road - OUSE - Top Hill Road - Meadsfield Road - BOTHWELL - Dennistoun Road (West to North)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Epacris acuminata	clasping-leaf heath	100	r	EN
Carex longebrachiata	drooping sedge	1000	r	
Pellaea calidirupium	hot rock fern	5000	r	
Epacris acuminata	clasping-leaf heath	2500	r	EN
Epacris acuminata	clasping-leaf heath	100	r	EN
Epacris acuminata	clasping-leaf heath	100	r	EN
Epacris acuminata	clasping-leaf heath	100	r	EN
Lobelia pratioides	poison lobelia	5000	v	
Xanthoparmelia willisii		10000	e	
Xanthoparmelia willisii		1000	e	
Xanthoparmelia willisii		1000	e	

Threatened Species Cluster #	Coordinates Start	Stop
1	508550E, 5326559N	507900E, 5325650N

Tb02-bd

Lyell Highway (South - North)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Bossiaea obcordata	spiny bossiaea	2500	r	
Bossiaea obcordata	spiny bossiaea	2500	r	
Barbarea australis	native wintercress	100	e	CR
Lachnagrostis punicea punicea	bristle blown-grass	1500	r	
Barbarea australis	native wintercress	100	e	CR
Barbarea australis	native wintercress	50	e	CR
Caesia calliantha	blue grass lily	100	r	
Dianella longifolia longifolia	pale flax lily	100	r	
Dianella longifolia longifolia	pale flax lily	1000	r	
Scleranthus brockiei	brock knawel	50	r	
Scleranthus brockiei	brock knawel	1480	r	
Scleranthus brockiei	brock knawel	50	r	
Lepidium hyssopifolium	basalt peppercress	1000	e	EN
Hymenochilus wapstrarum	fleshy greenhood	5000	e	CR
Pellaea calidirupium	hot rock fern	5000	r	
Lepidium pseudotasmanicum	shade peppercress	1500	r	
Lobelia pratioides	poison lobelia	5000	v	
Pilularia novae-hollandiae	austral pillwort	100	r	
Pilularia novae-hollandiae	austral pillwort	100	r	
Pimelea curviflora gracilis	slender curved rice flower	1500	r	
Pimelea curviflora gracilis	slender curved rice flower	15000	r	
Austrostipa nodosa	knotty spear grass	400	r	
Austrostipa scabra	rough spear grass	200	r	
Vittadinia cuneata	fuzzy new holland daisy	100	r	
Vittadinia gracilis	woolly new holland daisy	100	r	
Vittadinia gracilis	woolly new holland daisy	100	r	
Vittadinia muelleri	narrow leaf new holland daisy	1500	r	
Westringia angustifolia	scabrous westringia	1500	r	
Vittadinia cuneata	fuzzy new holland daisy	100	r	
Vittadinia cuneata	fuzzy new holland daisy	1000	r	
Vittadinia cuneata	fuzzy new holland daisy	100	r	
Vittadinia cuneata	fuzzy new holland daisy	1000	r	
Vittadinia cuneata	fuzzy new holland daisy	1000	r	
Vittadinia gracilis	woolly new holland daisy	100	r	
Vittadinia gracilis	woolly new holland daisy	1000	r	
Discaria pubescens	hairy anchor plant	2000	e	
Vittadinia muelleri	narrow leaf new holland daisy	1000	r	
Vittadinia gracilis	woolly new holland daisy	100	r	
Vittadinia gracilis	woolly new holland daisy	1000	r	
Austrostipa nodosa	spear grass	100	r	
Austrostipa nodosa	spear grass	100	r	
Lepidium pseudotasmanicum	shade peppercress	1000	r	
Lepidium pseudotasmanicum	shade peppercress	1000	r	
Epacris acuminata	clasping-leaf heath	2000	r	EN
Carex capillacea	yellow-leaf sedge	1000	r	

Threatened Species Cluster #	Coordinates Start	Stop
1	494700E, 5274450N	494400E, 5276550N
2	490000E, 5287350N	487700E, 5288750N
3	486750E, 5288800N	486100E, 5288150N
4	476100E, 5296400N	474850E, 5297950N
5	460600E, 5308500N	459500E, 5308800N
6	454500E, 5317200N	454850E, 5317350N
7	456650E, 5321450N	457500E, 5323200N

Tb02-bf

Plenty Valley Road - forestry roads - Dension Rd - Weld Rd - forestry rds - Lidgerwood Rd - Arve Rd - Bennetts Rd - Esperence River Rd - Peak Rivulet Rd - Darcy Link - Old Hastings Rd - Lune River Rd - South Cape Rd (North - South)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Westringia angustifolia	scabrous westringia	100	r	
Westringia angustifolia	scabrous westringia	100	r	
Westringia angustifolia	scabrous westringia	100	r	
Genoplesium morrisii	bearded midge orchid	100	e	
Genoplesium morrisii	bearded midge orchid	100	e	
Deyeuxia densa	heath bent grass	1500	r	
Chrysocephalum baxteri	fringed everlasting	1000	r	
Geum talbotianum	mountain geum	5000	r	

Threatened Species Cluster #	Coordinates Start	Stop
1	484900E, 5232700N	485200E, 5232400N
2	486750E, 5224300N	
3	484950E, 5215000N	
4	491850E, 5187950N	
5	490000E, 5183650E	

Tb02-bg(north)

Interlaken Road - Coldblow Lane - Bowhill Road (North - South)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Pentachondra ericifolia	matted carpet heath	100	r	

Tb02-bg (south)

OATLANDS - Tunnack Road - TUNNACK - New Country Road - Dares Road - Cutting Grass Road - Buckland Road (North - South)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Scleranthus fasciculatus	spreading knawel	50	v	
Lepidium hyssopifolium	basalt peppercress	100	e	EN
Scleranthus fasciculatus	spreading knawel	100	v	
Lepidium hyssopifolium	basalt peppercress	50	e	EN
Lepidium hyssopifolium	basalt peppercress	100	e	EN
Lepidium hyssopifolium	basalt peppercress	50	e	EN
Lepidium hyssopifolium	basalt peppercress	100	e	EN
Lepidium hyssopifolium	basalt peppercress	100	e	EN
Lepidium hyssopifolium	basalt peppercress	50	e	EN
Lepidium hyssopifolium	basalt peppercress	50	e	EN
Lepidium hyssopifolium	basalt peppercress	100	e	EN
Lepidium hyssopifolium	basalt peppercress	50	e	EN
Viola cunninghamii	cunningham's violet	100	r	
Viola cunninghamii	cunningham's violet	100	r	

Threatened Species Cluster #	Coordinates Start	Stop
1	535600E, 5313200N	535100E, 5306500N
2	537800E, 5303600N	538650E, 5301750N
3	552350E, 5290800N	553800E, 5290100N

Tb02-bh

Lyell Highway - Fourteen Mile Road - Lyell Highway - forestry roads (South -North)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Carex capillacea	yellow-leaf sedge	100	r	
Westringia angustifolia	scabrous westringia	100	r	
Uncinia elegans	handsome hook sedge	10	r	

Tb02-bi

TUNNACK - Eldon Road - COLEBROOK - Yarlington Road - Quoin Road - private tracks (East - West)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Agrostis propinqua		200	r	
Agrostis propinqua		200	r	
Lepidium pseudotasmanicum	shade peppercress	100	r	
Austrodanthonia popinensis	roadside wallaby grass	100	e	EN

Threatened Species Cluster #	Coordinates Start	Stop
1	524650E, 5289800N	524350E, 5289650N

Tb02-cd

Huon Highway – Glen Road – North Huon Road – Rusell Road – Dolerite Road (East – West)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Comesperma defoliatum	leafless milkwort	3000	r	
Epacris virgata (Kettering)		1000	v	EN
Epacris virgata (Kettering)		1000	v	EN
Epacris virgata (Kettering)		1500	v	EN
Pomaderris elachophylla	small leaf pomaderris	10	v	

Threatened Species Cluster #	Coordinates Start	Stop
1	516000E, 5241100N	515000E, 5240850N

Tb02-cf

Ranelagh Road - Channel Highway (North - South)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA	Location Easting	Northing
Argentipallium spiceri	spicer's everlasting	500	e	CR	503750E	5235650N
Lepidium hyssopifolium	basalt peppercress	1000	c	EN	504800E	5223500N
Argentipallium spiceri	spicer's everlasting	2000	e	CR	503750E	5235650N
Argentipallium spiceri	spicer's everlasting	500	e	CR	503750E	5235650N

Tb02-cg

Tobys Hill Road - Nichols Rivulet Road (West - East)

No Threatened Flora records exist

Tb02-ch

Channel Highway (South - North)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Epacris virgata (Kettering)		100	v	EN
Epacris virgata (Kettering)		100	v	EN
Dryopoa dives	giant mountain grass	3000	r	
Lepidium pseudotasmanicum	shade peppercress	1500	r	
Lepidium pseudotasmanicum	shade peppercress	50	r	
Lepidosperma tortuosum	twisting rapier sedge	1000	r	

Threatened Species Cluster #	Coordinates Start	Stop
1	519850E, 5228600N	520000E, 5228781N

Tb02-ci

Sandfly Road (East - West)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Epacris virgata (Kettering)		100	v	EN
Epacris virgata (Kettering)		100	v	EN
Epacris acuminata	clasping-leaf heath	100	r	EN
Epacris virgata (Kettering)		1000	v	EN
Epacris virgata (Kettering)		1500	v	EN
Epacris acuminata	clasping-leaf heath	100	r	EN
Epacris acuminata	clasping-leaf heath	100	r	EN
Epacris acuminata	clasping-leaf heath	100	r	EN
Epacris acuminata	clasping-leaf heath	100	r	EN
Epacris acuminata	clasping-leaf heath	100	r	EN
Epacris acuminata	clasping-leaf heath	100	r	EN
Epacris acuminata	clasping-leaf heath	100	r	EN

Threatened Species Cluster #	Coordinates Start	Stop
1	519700E, 5238050N	519600E, 5238300N
2	517400E, 5239750N	517100E, 5239800N

Tb02-ea

Stonor Road - Woodsdale Road - Stonehenge Road - Swanston Road (West - East)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Colobanthus curtisiae	curtis' colobanth	100	r	VU
Colobanthus curtisiae	curtis' colobanth	100	r	VU
Juncus amabilis	gentle rush	100	r	
Lepidium hyssopifolium	basalt peppercress	50	e	EN
Juncus vaginatus	clustered rush	100	r	

Threatened Species Cluster #	Coordinates	
	Start	Stop
1	551900E, 5305550N	552600E, 5306500N

Tb02-eb

Isis Road – Macquarie Road – Ashby Road – ROSS – Tooms Lake Road – private track – Kheme Road – Lemont Road – private track (North – South)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Pultenaea prostrata	prostrate bush pea	100	v	
Pultenaea prostrata	prostrate bush pea	100	v	
Arthropodium strictum	chocolate lily	100	r	
Arthropodium strictum	chocolate lily	100	r	
Arthropodium strictum	chocolate lily	100	r	
Arthropodium strictum	chocolate lily	100	r	
Caesia calliantha	blue grass lily	100	r	
Caesia calliantha	blue grass lily	100	r	
Austrodanthonia procera	tall wallaby-grass	100	r	
Dianella longifolia longifolia	pale flax lily	100	r	
Oligochaetochilus commutatus	midland greenhood	100	e	CR
Oligochaetochilus commutatus	midland greenhood	100	e	CR
Scleranthus fasciculatus	spreading knawel	100	v	
Aphelia pumilio	dwarf aphelia	100	r	
Epilobium willisii	carpet willowherb	250	r	
Leucochrysum albicans albicans tricolor		1000	e	EN
Vittadinia muelleri	narrow leaf new holland daisy	1000	r	
Leucochrysum albicans albicans tricolor	grassland paper daisy	100	e	EN
Lobelia pratioides	poison lobelia	100	v	
Austrostipa nodosa	knotty spear grass	500	r	
Scleranthus fasciculatus	spreading knawel	100	v	
Austrostipa nodosa	knotty spear grass	1500	r	
Stackhousia gunnii	gunn's mignonette	1500	e	
Lachnagrostis punicea punicea	bristle blown-grass	100	r	
Glycine latrobeana	clover glycine	100	v	VU
Glycine latrobeana	clover glycine	100	v	VU
Carex tasmanica	curly sedge	100		VU
Vittadinia cuneata	fuzzy new holland daisy	100	r	
Vittadinia cuneata	fuzzy new holland daisy	100	r	
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Lepidium hyssopifolium	basalt peppercress	100	e	EN
Vittadinia muelleri	narrow leaf new holland daisy	100	r	
Austrostipa nodosa	spear grass	100	r	
Austrostipa nodosa	spear grass	100	r	
Lobelia pratioides	poison lobelia	100	v	
Viola cunninghamii	cunningham's violet	100	r	
Brachyscome rigidula	hairy cutleaf daisy	100	v	
Xanthoparmelia molliuscula		1000	e	
Xanthoparmelia molliuscula		1000	e	
Xanthoparmelia willisii		10000	e	
Xanthoparmelia willisii		1000	e	
Aanthoparmelia willisii		1000	e	
Xanthoparmelia willisii		1000	e	

Xanthoparmelia willisii		1000	e	
Leucochrysum albicans albicans tricolor	grassland paper daisy	100	e	EN
Leucochrysum albicans albicans tricolor	grassland paper daisy	100	e	EN
Leucochrysum albicans albicans tricolor	grassland paper daisy	100	e	EN
Leucochrysum albicans albicans tricolor	grassland paper daisy	100	e	EN

Threatened Species Cluster #	Coordinates	
	Start	Stop
1	517400E, 5368150N	518700E, 5366150N
2	521900E, 5365300N	523650E, 5364850N
3	526500E, 5362600N	528200E, 5361650N
4	534050E, 5356850N	536200E, 5354650N
5	543150E, 5340750N	544150E, 5338500N
6	544500E, 5338300N	545300E, 5337350N
7	546300E, 5336400N	546700E, 5334450N
8	547800E, 5332200N	548050E, 5330650N

Tb02-ec

Inglewood Road - Lemont Road (West - East)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA	Location Easting	Northing
Lepidium hyssopifolium	basalt peppercress	50	e	EN	532950E	5312900N
Vittadinia cuneata	fuzzy new holland daisy	100	r		538400E	5313400N
Scleranthus fasciculatus	spreading knawel	100	v		538400E	5313400N

Tb02-ed

private road - York Plains Road - Lemont Road - Stonehouse Road (West -East)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Dianella longifolia longifolia	pale flax lily	100	r	
Haloragis heterophylla	variable raspwort	100	r	
Lepidium hyssopifolium	basalt peppercress	100	e	EN
Vittadinia gracilis	woolly new holland daisy	100	r	
Vittadinia muelleri	narrow-leaf new holland dais	100	r	
Lepidium hyssopifolium	basalt peppercress	100	e	EN
Lepidium hyssopifolium	basalt peppercress	100	e	EN
Vittadinia muelleri	narrow leaf new holland dais	100	r	

Threatened Species Cluster #	Coordinates	
	Start	Stop
1	542250E, 5320700N	544400E, 5320750N
2	545500E, 5320750E	548050E, 5320800N

Tb02-ee

private road - Melrose road - WOODBURY - Glen Morey Road - private road (North - South)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Carex tasmanica	curly sedge	2000		VU
Lepidium pseudotasmanicum	shade pepppercress	100	r	
Arthropodium strictum	chocolate lily	10000	r	
Dianella longifolia longifolia	pale flax lily	10000	r	
Scleranthus diander	tufted knawel	100	v	
Aphelia pumilio	dwarf aphelia	10000	r	
Austrostipa nodosa	spear grass	10000	r	
Austrostipa nodosa	spear grass	100	r	
Austrostipa nodosa	spear grass	100	r	
Viola cunninghamii	cunningham's violet	10000	r	
Wilsonia rotundifolia	roundleaf wilsonia	400	r	

Threatened Species Cluster #	Coordinates	
	Start	Stop
1	532350E, 5328150N	532800E, 5327750N

Tb02-ef

private road - Glen Morey Road - WOODBURY - Old Tier Road (East - West)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Dianella longifolia longifolia	pale flax lily	200	r	
Austrostipa nodosa	spear grass	100	r	
Austrostipa nodosa	spear grass	100	r	
Austrostipa nodosa	spear grass	100	r	

Threatened Species Cluster #	Coordinates	
	Start	Stop
1	530900E, 5330750N	528350E, 5331800N

Tb02-eg

Ballochmyle Road - Glen Morey Road (North - South)

No Threatened Flora records exist

Tb02-eh

Glen Morey Road - cleared land - Honeysuckle Road (West - East)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Austrostipa nodosa	spear grass	100	r	
Viola cunninghamii	cunningham's violet	100	r	
Viola cunninghamii	cunningham's violet	100	r	
Leucochrysum albicans albicans tricolor	grassland paper daisy	100	e	EN

Threatened Species Cluster #	Coordinates	
	Start	Stop
1	551300E, 5331650N	552300E, 5332000N

Tb02-ei

Mona Vale Road - forestry roads - cleared land - Tooms Lake Road (West - East)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Calocephalus lacteus	milky beauty heads	100	r	
Dianella longifolia longifolia	pale flax lily	100	r	
Calocephalus lacteus	milky beauty heads	300	r	
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Xanthoparmelia willisii		10000	e	
Leucochrysum albicans albicans tricolor	grassland paper daisy	100	e	EN
Leucochrysum albicans albicans tricolor	grassland paper daisy	100	e	EN
Leucochrysum albicans albicans tricolor	grassland paper daisy	100	e	EN

Threatened Species Cluster #	Coordinates	
	Start	Stop
1	539750E, 5341900N	540150E, 5341100N
2	547600E, 5331650N	547900E, 5331000N

Tb02-ej

cleared land - forestry roads (West - East)

No Threatened Flora records exist

Tb02-ek

Private roads (East - West)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Brachyscome rigidula	hairy cutleaf daisy	25	v	
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	25	e	EN
Prasophyllum tunbridgense	tunbridge leek orchid	25	e	EN
Scleranthus diander	tufted knawel	25	v	
Stackhousia gunnii	gunn's mignonette	25	e	
Vittadinia muelleri	narrow leaf new holland daisy	25	r	
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	50	e	EN
Prasophyllum tunbridgense	tunbridge leek orchid	25	e	EN
Prasophyllum tunbridgense	tunbridge leek orchid	100	e	EN
Stackhousia gunnii	gunn's mignonette	100	e	
Scleranthus diander	tufted knawel	100	v	
Glycine latrobeana	clover glycine	100	v	VU
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	50	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	grassland paper daisy	50	e	EN

Threatened Species Cluster #	Coordinates	
	Start	Stop
1	536000E, 5341050N	535550E, 5340600N
2	534950E, 5339900N	534100E, 5339400N

Tb02-e1 (north)

Belle Vue Road - EPPING FOREST - Barton Road - Isis Road (North - South)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Aphelia gracilis	slender aphelia	1000	r	
Aphelia gracilis	slender aphelia	1000	r	
Pultenaea prostrata	prostrate bush pea	100	v	
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Pultenaea humilis	dwarf bush pea	1000	v	
Pultenaea humilis	dwarf bush pea	100	v	
Pultenaea humilis	dwarf bush pea	100	v	
Pultenaea humilis	dwarf bush pea	100	v	
Arthropodium strictum	chocolate lily	100	r	
Arthropodium strictum	chocolate lily	100	r	
Arthropodium strictum	chocolate lily	100	r	
Amphibromus macrorhinus	long-nosed swamp wallaby grass	1000	e	
Caesia calliantha	blue grass lily	100	r	
Spyridium vexilliferum	winged spyridium	200	r	
Dianella longifolia longifolia	pale flax lily	100	r	
Dianella longifolia longifolia	pale flax lily	100	r	
Stenanthemum pimeleoides	spreading stenanthemum	1000	v	EN
Stenanthemum pimeleoides	spreading stenanthemum	100	v	EN
Stenanthemum pimeleoides	spreading stenanthemum	50	v	EN
Lepidium hyssopifolium	basalt peppercress	100	e	EN
Lepidium hyssopifolium	basalt peppercress	100	e	EN
Lepidium hyssopifolium	basalt peppercress	100	e	EN
Spyridium vexilliferum	winged spyridium	100	r	
Spyridium vexilliferum	winged spyridium	100	r	
Caladenia pallida	rosy spider orchid	1000	e	CR
Juncus fockei	slender joint-leaf rush	500	r	
Isolepis stellata	star club rush	1000	r	
Isolepis stellata	star club rush	1000	r	
Isolepis stellata	star club rush	1000	r	
Lepidium hyssopifolium	basalt peppercress	100	e	EN
Lobelia pratioides	poison lobelia	1000	v	
Pimelea curviflora gracilis	slender curved rice flower	1000	r	
Brachyscome sieberi gunnii	sieber's daisy	100	r	
Pultenaea humilis	dwarf bush pea	1000	v	
Pultenaea humilis	dwarf bush pea	100	v	
Spyridium vexilliferum	winged spyridium	100	r	
Spyridium vexilliferum	winged spyridium	100	r	
Trithuria submersa	trithuria	1000	r	
Trithuria submersa	trithuria	1000	r	
Trithuria submersa	trithuria	1000	r	
Aphelia gracilis	slender aphelia	1000	r	
Pultenaea humilis	dwarf bush pea	1000	v	
Brunonia australis	blue pincushion	1000	v	
Viola cunninghamii	cunningham's violet	100	r	
Xanthoparmelia mannumensis		100	v	

Threatened Species Cluster #

1

Coordinates

Start
529150E. 5377150N

Stop
526400E. 5374500N

Tb02-el (south)

Glen Connell Road - Auburn Road - ROSS - Stony Gully Road - forestry roads (North - East)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Austrostipa scabra	rough spear-grass	100	r	
Austrostipa scabra	rough spear-grass	100	r	
Calocephalus lacteus	milky beauty heads	100	r	
Calocephalus lacteus	milky beauty heads	100	r	
Calocephalus lacteus	milky beauty heads	100	r	
Calocephalus lacteus	milky beauty heads	100	r	
Calocephalus lacteus	milky beauty heads	100	r	
Amphibromus macrorhinus	long-nosed swamp wallaby grass	300	e	
Lachnagrostis punicea punicea	bristle blown-grass	100	r	
Caesia calliantha	blue grass lily	100	r	
Cryptandra amara	bitter cryptandra	100	e	
Austrodanthonia procera	tall wallaby-grass	100	r	
Austrodanthonia procera	tall wallaby-grass	100	r	
Dianella longifolia longifolia	pale flax lily	100	r	
Carex gunniana	mountain sedge	100	r	
Calocephalus lacteus	milky beauty heads	1000	r	
Calocephalus lacteus	milky beauty heads	100	r	
Glycine latrobeana	clover glycine	1000	v	VU
Persicaria decipiens	slender knotweed	100	v	
Persicaria decipiens	slender knotweed	1000	v	
Persicaria decipiens	slender knotweed	1000	v	
Persicaria decipiens	slender knotweed	100	v	
Schoenoplectus validus	river club sedge	3000	r	
Schoenoplectus validus	river club sedge	100	r	
Trithuria submersa	trithuria	2000	r	
Trithuria submersa	trithuria	2000	r	
Trithuria submersa	trithuria	2000	r	
Carex gunniana	mountain sedge	100	r	
Acacia axillaris	midlands wattle	100	v	VU
Acacia axillaris	midlands wattle	1000	v	VU
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Brachyscome tadgellii		100	r	
Austrostipa nodosa	spear grass	100	r	
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Vittadinia muelleri	narrow leaf new holland daisy	100	r	
Cryptandra amara	bitter cryptandra	100	e	
Austrostipa nodosa	spear grass	100	r	
Cryptandra amara	bitter cryptandra	100	e	
Vittadinia gracilis	woolly new holland daisy	100	r	
Xanthoparmelia mannumensis		100	v	
Leucochrysum albicans albicans tricolor	grassland paper daisy	100	e	EN
Leucochrysum albicans albicans tricolor	grassland paper daisy	100	e	EN
Leucochrysum albicans albicans tricolor	grassland paper daisy	100	e	EN

Leucochrysum albicans albicans tricolor	grassland paper daisy	100	e	EN
Trithuria submersa	trithuria	2000	r	
Trithuria submersa	trithuria	2000	r	
Trithuria submersa	trithuria	1000	r	
Trithuria submersa	trithuria	1000	r	
Trithuria submersa	trithuria	1000	r	
Aphelia gracilis	slender aphelia	1000	r	
Glycine latrobeana	clover glycine	100	v	VU
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Pultenaea humilis	dwarf bush pea	1000	v	
Brunonia australis	blue pincushion	1000	v	
Austrostipa nodosa	spear grass	100	r	
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	100	e	EN
Vittadinia muelleri	narrow leaf new holland daisy	100	r	
Cryptandra amara	bitter cryptandra	100	e	
Austrostipa nodosa	spear grass	100	r	
Viola cunninghamii	cunningham's violet	100	r	
Cryptandra amara	bitter cryptandra	100	e	
Vittadinia gracilis	woolly new holland daisy	100	r	
Xanthoparmelia mannumensis		100	v	
Leucochrysum albicans albicans tricolor	grassland paper daisy	100	e	EN

Threatened Species Cluster #	Coordinates	
	Start	Stop
1	533700E, 5345900N	535150E, 5345500N
2	539750E, 5346400N	542050E, 5347550N
3	553600E, 5352100N	554200E, 5352700N

Tb02-em

Tooms Lake Road - CAMPBELL TOWN - Valleyfield Road (South - North)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Acacia axillaris	midlands wattle	100	v	VU
Colobanthus curtisiae	curtis' colobanth	100	r	VU
Colobanthus curtisiae	curtis' colobanth	100	r	VU
Pimelea curviflora	curved rice-flower	200	p	
Dianella longifolia longifolia	pale flax lily	100	r	
Scleranthus fasciculatus	spreading knawel	100	v	
Acacia axillaris	midlands wattle	100	v	VU
Acacia axillaris	midlands wattle	600	v	VU
Xerochrysum bicolor		100	r	
Austrostipa nodosa	knotty spear grass	100	r	
Colobanthus curtisiae	curtis' colobanth	100	r	VU
Hypoxis vaginata	sheathing yellow-star	100	r	
Acacia axillaris	midlands wattle	400	v	VU
Acacia axillaris	midlands wattle	1000	v	VU
Acacia axillaris	midlands wattle	100	v	VU
Acacia axillaris	midlands wattle	100	v	VU
Acacia axillaris	midlands wattle	1000	v	VU
Carex tasmanica	curly sedge	100		VU
Austrostipa nodosa	spear grass	100	r	
Austrostipa nodosa	spear grass	1000	r	
Austrostipa nodosa	spear grass	100	r	
Austrostipa nodosa	spear grass	1000	r	
Austrostipa nodosa	spear grass	1000	r	
Austrostipa nodosa	spear grass	1000	r	
Austrostipa nodosa	spear grass	1000	r	
Austrostipa nodosa	spear grass	100	r	
Austrostipa nodosa	spear grass	100	r	

Threatened Species Cluster #	Coordinates Start	Stop
1	554200E, 5353450N	553350E, 5353350N
2	550450E, 5355150N	550050E, 5355900N
3	549950E, 5356150N	549150E, 5356500N
4	548050E, 5356650N	547200E, 5356800N
5	538650E, 5359750N	537450E, 5360600N

Tb02-eo
Buckland Road

No Threatened Flora records exist

Tb02-ep

SORELL - Tasman Highway - BUCKLAND (South - North)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Calocephalus citreus	lemon beauty heads	4686	r	
Lepidium pseudotasmanicum	shade peppercress	4686	r	
Austrostipa scabra	rough spear-grass	100	r	
Austrodanthonia procera	tall wallaby-grass	1000	r	
Carex longebrachiata	drooping sedge	100	r	
Dianella longifolia longifolia	pale flax lily	4686	r	
Agrostis propinqua		200	r	
Dianella longifolia longifolia	pale flax lily	100	r	
Eryngium ovinum	blue devil	100	v	
Glycine latrobeana	clover glycine	1500	v	VU
Pomaderris intermedia	tree pomaderris	100	r	
Pomaderris phylicifolia phylicifolia	narrow leaf pomaderris	1500	r	
Thryptomene micrantha	ribbed thryptomene	7000	r	
Vittadinia cuneata	fuzzy new holland daisy	100	r	
Pomaderris phylicifolia phylicifolia	narrow leaf pomaderris	1500	r	
Leucochrysum albicans albicans tricolor	hoary sunray, grassland gem	1000	e	EN
Vittadinia muelleri	narrow leaf new holland daisy	4686	r	
Vittadinia muelleri	narrow leaf new holland daisy	100	r	
Austrostipa nodosa	spear grass	4686	r	
Austrostipa nodosa	spear grass	100	r	
Eryngium ovinum	blue devil	100	v	
Eryngium ovinum	blue devil	1000	v	
Eryngium ovinum	blue devil	100	v	
Eryngium ovinum	blue devil	100	v	
Eryngium ovinum	blue devil	50	v	
Eryngium ovinum	blue devil	2000	v	
Viola cunninghamii	cunningham's violet	100	r	
Viola cunninghamii	cunningham's violet	100	r	
Vittadinia gracilis	woolly new holland daisy	4686	r	
Calocephalus citreus	lemon beauty heads	100	r	
Vittadinia muelleri	narrow leaf new holland daisy	100	r	
Leucochrysum albicans albicans tricolor	grassland paper daisy	1000	e	EN

Threatened Species Cluster #

	Coordinates	
	Start	Stop
1	544600E, 5264550N	543944E, 5266800N
2	543150E, 5275700N	543350E, 5276200N
3	550700E, 5279650N	550900E, 5279450N
4	551750E, 5280900N	552100E, 5281150N

Tb02-ez
cleared land (off Ballochmyle Road)

No Threatened Flora records exist

Tb02-fa

Lake Leake Road (East - West)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Lasiopetalum micranthum	tasmanian velvet bush	1000	v	VU
Lasiopetalum micranthum	tasmanian velvet bush	1850	v	VU
Lasiopetalum micranthum	tasmanian velvet bush	100	v	VU
Lasiopetalum micranthum	tasmanian velvet bush	1850	v	VU
Lasiopetalum micranthum	tasmanian velvet bush	50	v	VU
Lasiopetalum micranthum	tasmanian velvet bush	1000	v	VU
Lasiopetalum micranthum	tasmanian velvet bush	1850	v	VU
Lasiopetalum micranthum	tasmanian velvet bush	100	v	VU
Stenanthemum pimeleoides	spreading stenanthemum	100	v	EN
Eucalyptus barberi	barbers gum	100	r	
Brachyscome sieberi gunnii	sieber's daisy	100	r	
Brachyscome sieberi gunnii	sieber's daisy	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Lasiopetalum micranthum	tasmanian velvet bush	100	v	VU
Stenanthemum pimeleoides	spreading stenanthemum	100	v	EN
Eucalyptus barberi	barbers gum	100	r	
Lasiopetalum micranthum	tasmanian velvet bush	100	v	VU
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Eucalyptus barberi	barbers gum	100	r	
Acacia axillaris	midlands wattle	100	v	VU
Acacia axillaris	midlands wattle	1000	v	VU
Melaleuca pustulata	cranbrook paperbark	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Lasiopetalum micranthum	tasmanian velvet bush	100	v	VU
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Eucalyptus barberi	barbers gum	100	r	
Eucalyptus barberi	barbers gum	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Eucalyptus barberi	barbers gum	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Eucalyptus barberi	barbers gum	100	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Eucalyptus barberi	barbers gum	1850	r	
Eucalyptus barberi	barbers gum	100	r	
Eucalyptus barberi	barbers gum	100	r	
Eucalyptus barberi	barbers gum	1850	r	
Brunonia australis	blue pincushion	100	v	
Melaleuca pustulata	cranbrook paperbark	1850	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	1850	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Acacia axillaris	midlands wattle	100	v	VU
Stenanthemum pimeleoides	spreading stenanthemum	1850	v	EN
Stenanthemum pimeleoides	spreading stenanthemum	100	v	EN
Stenanthemum pimeleoides	spreading stenanthemum	100	v	EN

Stenanthemum pimeleoides	spreading stenanthemum	100	v	EN
Stenanthemum pimeleoides	spreading stenanthemum	100	v	EN
Stenanthemum pimeleoides	spreading stenanthemum	1000	v	EN
Cyphanthera tasmanica	tasmanian ray flower	1850	r	
Cyphanthera tasmanica	tasmanian ray flower	1850	r	
Eucalyptus barberi	barbers gum	10000	r	
Ozothamnus lycopodioides	lycopoid everlasting	24000	r	
Ozothamnus lycopodioides	lycopoid everlasting	1000	r	
Isoetes drummondii drummondii	plain quillwort	100	r	
Lasiopetalum micranthum	tasmanian velvet bush	24000	v	VU
Lasiopetalum micranthum	tasmanian velvet bush	1000	v	VU
Lasiopetalum micranthum	tasmanian velvet bush	1000	v	VU
Lasiopetalum micranthum	tasmanian velvet bush	100	v	VU
Lasiopetalum micranthum	tasmanian velvet bush	100	v	VU
Lasiopetalum micranthum	tasmanian velvet bush	100	v	VU
Melaleuca pustulata	cranbrook paperbark	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	24000	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Stenanthemum pimeleoides	spreading stenanthemum	100	v	EN
Stenanthemum pimeleoides	spreading stenanthemum	100	v	EN
Lepidosperma tortuosum	twisting rapier sedge	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	1000	r	
Lasiopetalum micranthum	tasmanian velvet bush	1000	v	VU
Poa mollis	soft poa grass	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	1850	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	1850	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	50	r	
Ozothamnus lycopodioides	lycopoid everlasting	1850	r	
Ozothamnus lycopodioides	lycopoid everlasting	1000	r	
Stenanthemum pimeleoides	spreading stenanthemum	100	v	EN
Eucalyptus barberi	barbers gum	100	r	
Austrostipa nodosa	spear grass	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Viola cunninghamii	cunningham's violet	100	r	
Viola cunninghamii	cunningham's violet	100	r	
Lepidosperma tortuosum	twisting rapier sedge	100	r	

Threatened Species Cluster #	Coordinates	
	Start	Stop
1	583250E, 5347500N	574750E, 5348500N
2	563900E, 5347100N	560800E, 5348100N

Tb02-fb

Tasman Highway - CRANBROOK - Tasman Highway - BICHENO (South - North)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Brachyscome rigidula	hairy cutleaf daisy	1000	v	
Callitris oblonga oblonga	south esk pine	1850	v	EN
Callitris oblonga oblonga	south esk pine	100	v	EN
Callitris oblonga oblonga	south esk pine	100	v	EN
Callitris oblonga oblonga	south esk pine	100	v	EN
Callitris oblonga oblonga	south esk pine	100	v	EN
Stonesiella selaginoides	clubmoss bush pea	1850	v	EN
Stonesiella selaginoides	clubmoss bush pea	1000	v	EN
Stonesiella selaginoides	clubmoss bush pea	100	v	EN
Epacris apsleyensis	apsley heath	100	e	EN
Epacris apsleyensis	apsley heath	100	e	EN
Callitris oblonga oblonga	south esk pine	100	v	EN
Lasiopetalum micranthum	tasmanian velvet bush	100	v	VU
Acacia axillaris	midlands wattle	100	v	VU
Eucalyptus barberi	barbers gum	100	r	
Eucalyptus barberi	barbers gum	100	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Stonesiella selaginoides	clubmoss bush pea	100	v	EN
Eucalyptus barberi	barbers gum	100	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Eucalyptus barberi	barbers gum	100	r	
Eucalyptus barberi	barbers gum	100	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Cryptandra amara	bitter cryptandra	1000	e	
Austrodanthonia procera	tall wallaby-grass	50	r	
Eucalyptus barberi	barbers gum	1000	r	
Diplodium granditlorum	superb greenhood	500	r	
Melaleuca pustulata	cranbrook paperbark	200	r	
Eucalyptus barberi	barbers gum	200	r	
Eucalyptus barberi	barbers gum	200	r	
Melaleuca pustulata	cranbrook paperbark	200	r	
Melaleuca pustulata	cranbrook paperbark	200	r	
Eucalyptus barberi	barbers gum	200	r	
Melaleuca pustulata	cranbrook paperbark	200	r	
Melaleuca pustulata	cranbrook paperbark	200	r	
Melaleuca pustulata	cranbrook paperbark	200	r	
Melaleuca pustulata	cranbrook paperbark	200	r	
Melaleuca pustulata	cranbrook paperbark	2000	r	
Melaleuca pustulata	cranbrook paperbark	50	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	50	r	
Melaleuca pustulata	cranbrook paperbark	50	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	100	r	

Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	1850	r	
Stenanthemum pimeleoides	spreading stenanthem	50	v	EN
Stenanthemum pimeleoides	spreading stenanthem	100	v	EN
Stenanthemum pimeleoides	spreading stenanthem	50	v	EN
Stenanthemum pimeleoides	spreading stenanthem	1000	v	EN
Stenanthemum pimeleoides	spreading stenanthem	100	v	EN
Stenanthemum pimeleoides	spreading stenanthem	50	v	EN
Stenanthemum pimeleoides	spreading stenanthem	50	v	EN
Stenanthemum pimeleoides	spreading stenanthem	100	v	EN
Stenanthemum pimeleoides	spreading stenanthem	100	v	EN
Stenanthemum pimeleoides	spreading stenanthem	1000	v	EN
Deyeuxia decipiens	trickery bent grass	5000	r	
Epacris apsleyensis	apsley heath	100	e	EN
Epacris apsleyensis	apsley heath	100	e	EN
Eucalyptus barberi	barbers gum	5000	r	
Eucalyptus barberi	barbers gum	1000	r	
Eucalyptus barberi	barbers gum	1000	r	
Eucalyptus barberi	barbers gum	200	r	
Eucalyptus barberi	barbers gum	300	r	
Eucalyptus barberi	barbers gum	200	r	
Eucalyptus barberi	barbers gum	1000	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	5000	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Brachyscome rigidula	hairy cutleaf daisy	100	v	
Stonesiella selaginoides	clubmoss bush pea	500	v	EN
Stonesiella selaginoides	clubmoss bush pea	100	v	EN
Callitris oblonga oblonga	south esk pine	1500	v	EN
Cryptandra amara	bitter cryptandra	100	e	
Vittadinia cuneata	fuzzy new holland dai	100	r	
Melaleuca pustulata	cranbrook paperbark	5000	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Epacris apsleyensis	apsley heath	100	e	EN
Carex gunniana	mountain sedge	100	r	
Brachyloma depressum	spreading brachyloma	2000	r	
Callitris oblonga oblonga	south esk pine	50	v	EN
Carex tasmanica	curly sedge	50		VU
Epacris apsleyensis	apsley heath	50	e	EN
Stonesiella selaginoides	clubmoss bush pea	500	v	EN
Vittadinia cuneata	fuzzy new holland dai	1000	r	
Epacris apsleyensis	apsley heath	50	e	EN
Epacris apsleyensis	apsley heath	100	e	EN
Epacris barbata	bearded heath	2000	e	CR
Cryptandra amara	bitter cryptandra	100	e	
Cryptandra amara	bitter cryptandra	100	e	
Eucalyptus barberi	barbers gum	150	r	

Threatened Species Cluster #	Coordinates	
	Start	Stop
1	587200E, 5343700N	587100E, 5345100N
2	587150E, 5346400N	588000E, 5348050N
3	591900E, 5350250N	592650E, 5350450N
4	593150E, 5350700N	595200E, 5352300N
5	604000E, 5360700N	604450E, 5360900N

Tb02-fc

Swan River Road - Sands Road (East - West)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Lachnagrostis billardierei tenuiseta	small-awned blown-grass	2000	r	
Lachnagrostis billardierei tenuiseta	small-awned blown-grass	2500	r	
Cynoglossum australe	australian hound's tongue	2000	r	
Poa poiformis ramifer	island purple grass	2000	r	
Lachnagrostis billardierei tenuiseta	small-awned blown-grass	2500	r	

Threatened Species Cluster #	Coordinates	
	Start	Stop
1	595450E, 5339650N	595750E, 5339650N
2	599900E, 5339150N	600100E, 5339100N

Tb02-fd

The Snug Road - forestry Roads - Mackays Road - Bresnehans Road (West -East)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA	Location Easting	Northing
Baumea gunnii	slender twig rush	5000	r		565000E	5320000N

Tb02-fe

BUCKLAND - Tasman Highway - ORFORD - Tasman Highway - SWANSEA - Tasman Highway (South - North)

SPECIES	COMMON	ACCURACY	TSPA	EPBCA
Baumea gunnii	slender twig rush	100	r	
Haloragis heterophylla	variable raspwort	1000	r	
Haloragis heterophylla	variable raspwort	50	r	
Haloragis heterophylla	variable raspwort	2058	r	
Lepidium pseudotasmanicum	shade peppercress	1000	r	
Carex longebrachiata	drooping sedge	100	r	
Carex longebrachiata	drooping sedge	100	r	
Carex longebrachiata	drooping sedge	100	r	
Lachnagrostis billardierei tenuiseta	small-awned blown-grass	1000	r	
Lachnagrostis billardierei tenuiseta	small-awned blown-grass	100	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Acacia axillaris	midlands wattle	100	v	VU
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Eucalyptus barberi	barbers gum	100	r	
Gyrostemon thesioides	broom wheel fruit	688	r	
Austrodanthonia procera	tall wallaby-grass	1000	r	
Eryngium ovinum	blue devil	150	v	
Eryngium ovinum	blue devil	100	v	
Eryngium ovinum	blue devil	100	v	
Melaleuca pustulata	cranbrook paperbark	100	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Melaleuca pustulata	cranbrook paperbark	50	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Melaleuca pustulata	cranbrook paperbark	50	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	100	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Melaleuca pustulata	cranbrook paperbark	1000	r	
Calocephalus lacteus	milky beauty heads	5000	r	
Callitris oblonga oblonga	south esk pine	100	v	EN
Acacia axillaris	midlands wattle	13000	v	VU
Callitris oblonga oblonga	south esk pine	100	v	EN
Stenanthemum pimeleoides	spreading stenanthemum	50	v	EN
Stenanthemum pimeleoides	spreading stenanthemum	1000	v	EN
Stenanthemum pimeleoides	spreading stenanthemum	100	v	EN
Stenanthemum pimeleoides	spreading stenanthemum	100	v	EN
Stenanthemum pimeleoides	spreading stenanthemum	50	v	EN
Stenanthemum pimeleoides	spreading stenanthemum	100	v	EN
Stenanthemum pimeleoides	spreading stenanthemum	100	v	EN
Ozothamnus lycopodioides	lycopoid everlasting	1000	v	EN
Ozothamnus lycopodioides	lycopoid everlasting	688	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Ozothamnus lycopodioides	lycopoid everlasting	100	r	
Damasonium minus	star fruit	100	r	
Cyphanthera tasmanica	tasmanian ray flower	400	r	
Cyphanthera tasmanica	tasmanian ray flower	1000	r	
Cyphanthera tasmanica	tasmanian ray flower	1000	r	
Cyphanthera tasmanica	tasmanian ray flower	1000	r	
Eryngium ovinum	blue devil	1000	r	
Glossostigma elatinoides	small mudmat	100	v	
Glossostigma elatinoides	small mudmat	100	r	
		100	r	

Gyrostemon thesioides	broom wheel fruit	100	r		
Haloragis heterophylla	variable raspwort	100	r		
Xerochrysum bicolor	white alpine everlasting	200	r		
Ozothamnus lycopodioides	lycopoid everlasting	100	r		
Ozothamnus lycopodioides	lycopoid everlasting	100	r		
Ozothamnus lycopodioides	lycopoid everlasting	300	r		
Ozothamnus lycopodioides	lycopoid everlasting	200	r		
Ozothamnus lycopodioides	lycopoid everlasting	1000	r		
Ozothamnus lycopodioides	lycopoid everlasting	1500	r		
Ozothamnus lycopodioides	lycopoid everlasting	1000	r		
Ozothamnus lycopodioides	lycopoid everlasting	1000	r		
Isoetes elatior	tall quillwort	1500	r		
Juncus vaginatus	clustered rush	100	r		
Juncus vaginatus	clustered rush	1000	r		
Juncus vaginatus	clustered rush	1000	r		
Lasiopetalum micranthum	tasmanian velvet bush	100	r		
Lasiopetalum micranthum	tasmanian velvet bush	1500	v		VU
Lobelia pratioides	poison lobelia	1500	v		VU
Melaleuca pustulata	cranbrook paperbark	1500	v		
Melaleuca pustulata	cranbrook paperbark	1500	r		
Melaleuca pustulata	cranbrook paperbark	6000	r		
Melaleuca pustulata	cranbrook paperbark	6000	r		
Melaleuca pustulata	cranbrook paperbark	500	r		
Ozothamnus lycopodioides	cranbrook paperbark	100	r		
Ozothamnus lycopodioides	lycopoid everlasting	100	r		
Ozothamnus lycopodioides	lycopoid everlasting	100	r		
Phyllangium divergens	lycopoid everlasting	13000	r		
Pomaderris phylicifolia phylicifolia	wiry mitrewort	1500	v		
Pomaderris phylicifolia phylicifolia	narrow leaf pomaderris	100	r		
Oligochaetochilus squamatus	narrow leaf pomaderris	100	r		
Scaevola aemula	ruddy greenhood	100	r		
Scaevola aemula	fairy fanflower	10000	e		
Spyridium vexilliferum	fairy fanflower	13000	e		
Stenanthemum pimeleoides	winged spyridium	5000	r		
Stenanthemum pimeleoides	spreading stenanthemum	1500	v		EN
Stenanthemum pimeleoides	spreading stenanthemum	2500	v		EN
Stenanthemum pimeleoides	spreading stenanthemum	5000	v		EN
Stenanthemum pimeleoides	spreading stenanthemum	5000	v		EN
Stenanthemum pimeleoides	spreading stenanthemum	1500	v		EN
Stenopetalum lineare	spreading stenanthemum	17000	v		EN
Thryptomene micrantha	threadcress	100	e		
Veronica plebeia	ribbed thryptomene	2000	r		
Vittadinia cuneata	trailing speedwell	100	r		
Pimelea flava flava	fuzzy new holland daisy	1500	r		
Ozothamnus lycopodioides	yellow rice flower	2500	r		
Wilsonia humilis	lycopoid everlasting	1500	r		
Cyphanthera tasmanica	silky wilsonia	1000	r		
Isoetes elatior	tasmanian ray flower	1000	r		
Grevillea australis linearifolia	tall quillwort	100	r		
Carex tasmanica	narrow-leaf southern grevi	100	r		
Acacia axillaris	curly sedge	100			VU
Lasiopetalum micranthum	midlands wattle	100	v		VU
Hyalosperma demissum	tasmanian velvet bush	1000	v		VU
Lasiopetalum micranthum	moss sunray	1500	e		
Cryptandra amara	tasmanian velvet bush	1500	v		VU
Lasiopetalum micranthum	bitter cryptandra	1500	e		
Stenanthemum pimeleoides	tasmanian velvet bush	1500	v		VU
Lasiopetalum micranthum	spreading stenanthemum	5000	v		EN
	tasmanian velvet bush	100	v		VU

Vittadinia gracilis	woolly new holland daisy	1000	r
Vittadinia muelleri	narrow leaf new holland da	1000	r
Juncus vaginatus	clustered rush	50	r
Pomaderris phylicifolia phylicifolia	narrow leaf pomaderris	1000	r
Pomaderris phylicifolia phylicifolia	narrow leaf pomaderris	1000	r
Viola cunninghamii	cunningham's violet	100	r
Calystegia soldanella	sea bindweed	100	r
Eucalyptus barberi	barbers gum	10	r
Pomaderris phylicifolia phylicifolia	narrow leaf pomaderris	10	r
Veronica plebeia	trailing speedwell	100	r

Threatened Species Cluster #	Coordinates	
	Start	Stop
1	563700E, 5283850N	564650E, 5283800N
2	565200E, 5284050N	566200E, 5284850N
3	567300E, 5286350N	568350E, 5287700N
4	569000E, 5287450N	571400E, 5287900N
5	579200E, 5315100N	579400E, 5315500N
6	581900E, 5317700N	582200E, 5318200N
7	583250E, 5322300N	584050E, 5323900N
8	585900E, 5326850N	586700E, 5327600N
9	588050E, 5329650N	588300E, 5330200N
10	588250E, 5332400N	588100E, 5333500N
11	588750E, 5335300N	588800E, 5335750N
12	587500E,5336700N	587200E, 5337100N
13	588100E, 5341450N	587900E, 5342250N
14	587650E, 5342850N	586800E, 5344000N

Appendix B: DIER Conservation Areas

APPENDIX 1a: Grid Coordinates for Conservation Sites (GDA 94)

Conservation Site No.	Project Management Category	Species Site No.	Side	EASTING START	NORTHING START	EASTING END	NORTHING END
1	Orchids	1	R	571,030.50	5,238,111.40	570,977.80	5,235,971.50
2	Orchids	2	R	573,151.50	5,242,508.70	574,000.30	5,241,300.00
3	Viminaria juncea	1	L+R	601,560.40	5,341,913.10	601,583.90	5,341,816.20
4	Eucalyptus morrisbyi	1	R	541,211.00	5,243,731.50	541,202.30	5,243,682.30
5	Lepidium hyssopifolium	1	R	518,081.59	5,283,099.00	518,044.10	5,283,455.30
6	Lepidium hyssopifolium	2	L	527,560.10	5,259,871.80	527,430.10	5,259,994.40
7	Lepidium hyssopifolium	3	L	517,445.10	5,286,772.60	517,382.30	5,286,850.30
8	Lepidium hyssopifolium	5	L	TBA			
9	Lepidium hyssopifolium	6	L	604,466.40	5,402,346.60	604,506.20	5,402,376.90
10	Austrodanthonia popinensis	1	L	522,123.60	5,272,829.50	522,206.10	5,272,862.10
11	Austrodanthonia popinensis	2	L+R	520,246.10	5,276,816.20	518,924.20	5,278,802.10
12	Austrodanthonia popinensis	3	L+R	516,944.10	5,290,470.80	516,637.30	5,291,478.90
13	Austrodanthonia popinensis	4	L+R	515,782.20	5,292,509.90	514,774.70	5,296,949.10
14	Austrodanthonia popinensis	5	L+R	539,980.50	5,345,892.00	539,975.30	5,345,921.50
15	Tunbridge Grassland	8	R	534,115.60	5,333,542.40	534,280.90	5,333,655.30
16	Tunbridge Grassland	4	L	534,115.60	5,333,542.40	534,280.90	5,333,655.30
17	Tunbridge Grassland	9	L	534,414.20	5,333,803.30	534,493.80	5,333,985.40
18	Tunbridge Grassland	2	L	534,913.70	5,334,891.60	535,218.80	5,335,346.80
19	Tunbridge Grassland	3	R	534,913.70	5,334,891.60	535,048.20	5,335,101.50
20	Tunbridge Grassland	7	L	535,417.00	5,335,571.10	535,551.50	5,335,780.50
21	Tunbridge Grassland	6	R	535,499.60	5,335,695.40	535,524.80	5,335,738.40
22	Tunbridge Grassland	1	L	535,632.70	5,335,906.10	535,820.40	5,336,200.40
23	Tunbridge Grassland	5	R	535,660.30	5,335,947.70	535,768.40	5,336,115.20
24	Holyman Avenue Grassland	1	R	539,186.90	5,257,440.90	539,924.60	5,257,723.40
25	Holyman Avenue Grassland	2	L	539,186.90	5,257,440.90	539,924.60	5,257,723.40
26	Wanstead Grassland	1	L	538,476.40	5,363,596.50	538,426.50	5,363,737.60
27	Wanstead Grassland	2	R	538,459.40	5,363,643.40	538,426.50	5,363,737.60
28	Wanstead Grassland	3	L	538,239.30	5,364,306.30	538,040.60	5,364,923.60
29	Wanstead Grassland	4	R	538,161.50	5,364,543.40	538,070.60	5,364,828.60
30	Avoca Grasslands	1	R	549,158.90	5,371,044.90	549,541.60	5,371,152.60
31	Avoca Grasslands	2	R	549,791.30	5,371,135.10	549,890.70	5,371,125.30
32	Avoca Grasslands	3	R	550,135.40	5,371,080.30	550,309.80	5,370,983.20
33	Avoca Grasslands	4	R	550,828.50	5,370,872.30	550,928.20	5,370,887.10
34	Avoca Grasslands	5	R	551,125.60	5,370,916.90	551,869.80	5,370,968.10
35	Avoca Grasslands	6	R	552,266.30	5,370,918.00	552,363.90	5,370,895.66
36	Avoca Grasslands	7	R	552,809.20	5,370,888.40	553,059.00	5,370,898.10
37	Avoca Grasslands	8	R	553,158.80	5,370,905.00	553,743.90	5,371,035.70
38	Avoca Grasslands	9	R	554,383.00	5,371,136.30	555,482.50	5,371,111.30
39	Tasman Highway Lake Leake Junction	1	R	587,669.00	5,343,311.60	587,416.10	5,343,730.30
40	Tasman Highway Lake Leake Junction	2	L	587,416.10	5,343,730.30	587,124.20	5,344,048.50
41	Tasman Highway Lake Leake Junction	3	L	587,594.40	5,343,442.00	587,470.10	5,343,659.50
42	Tasman Highway Lake Leake Junction	4	L	587,124.20	5,344,048.50	587,140.00	5,344,243.50
43	Tasman Highway Lake Leake Junction	5	R	587,165.40	5,344,368.30	587,134.70	5,344,483.90

APPENDIX 1b: Road Link Map Locations for Conservation Sites (DIER)

Conservation Site No.	Project Management Category	Species Site No.	Road No.	Side	Start Link No	Start Chainage	End Link No.	End Chainage
1	Orchids	1	A0142	R	73	4.55	73	4 8
2	Orchids	2	A0142	R	56	3 5	56	5.05
3	Viminaria juncea	1	A2632	L+R	51	8 45	51	8 55
4	Eucalyptus morrisbyi	1	A2069	R	5	10	5	10 05
5	Lepidium hyssopifolium	1	A0087	R	20	0.45	20	0 81
6	Lepidium hyssopifolium	2	A0029	L	5	6 2	5	6 39
7	Lepidium hyssopifolium	3	A0087	L	20	5	20	5 1
8	Lepidium hyssopifolium	5	A1125	L	47	6.49	47	6 5
9	Lepidium hyssopifolium	6	A0113	L	53	10 32	53	10 37
10	Austrodanthonia popinensis	1	A2289	L	5	1 96	5	2 05
11	Austrodanthonia popinensis	2	A0087	L+R	15	2 6	15	5
12	Austrodanthonia popinensis	3	A0087	L+R	20	8 85	20	9 91
13	Austrodanthonia popinensis	4	A0087	L+R	24	1.35	24	5 95
14	Austrodanthonia popinensis	5	A0087	L+R	57	2 95	57	2 98
15	Tunbridge Grassland	8	A0087	R	49	9 10	49	9.30
16	Tunbridge Grassland	4	A0087	L	49	9 10	49	9 30
17	Tunbridge Grassland	9	A0087	L	49	9.50	49	9 70
18	Tunbridge Grassland	2	A0087	L	55	0 20	55	0 75
19	Tunbridge Grassland	3	A0087	R	55	0 20	55	0.45
20	Tunbridge Grassland	7	A0087	L	55	1 05	55	1 30
21	Tunbridge Grassland	6	A0087	R	55	1 20	55	1 25
22	Tunbridge Grassland	1	A0087	L	55	1.45	55	1 80
23	Tunbridge Grassland	5	A0087	R	55	1.50	55	1 70
24	Holyman Avenue Grassland	1	A0113	R	7	12 00	7	12 80
25	Holyman Avenue Grassland	2	A0113	L	7	12 00	7	12 80
26	Wanstead Grassland	1	A0087	L	68	7 10	68	7 25
27	Wanstead Grassland	2	A0087	R	68	7 15	68	7 25
28	Wanstead Grassland	3	A0087	L	68	7 85	68	8 50
29	Wanstead Grassland	4	A0087	R	68	8.10	68	8 40
30	Avoca Grasslands	1	A1125	R	21	1.15	21	1 55
31	Avoca Grasslands	2	A1125	R	21	1 80	21	1 90
32	Avoca Grasslands	3	A1125	R	21	2 15	21	2 35
33	Avoca Grasslands	4	A1125	R	21	2.90	21	3 00
34	Avoca Grasslands	5	A1125	R	21	3.20	21	3 95
35	Avoca Grasslands	6	A1125	R	21	4 35	21	4 45
36	Avoca Grasslands	7	A1125	R	21	4.90	21	5 15
37	Avoca Grasslands	8	A1125	R	21	5 25	21	5 85
38	Avoca Grasslands	9	A1125	R	21	6 50	21	7 60
39	Tasman Highway Lake Leake Junction	1	A0113	R	35	8.20	36	8 69
40	Tasman Highway Lake Leake Junction	2	A0113	L	36	8 69	36	9 13
41	Tasman Highway Lake Leake Junction	3	A0113	L	36	8 35	36	8 60
42	Tasman Highway Lake Leake Junction	4	A0113	L	38	0 00	38	0.20
43	Tasman Highway Lake Leake Junction	5	A0113	R	38	0.33	38	0.45

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SPECIFICATION

THREATENED SPECIES HABITAT

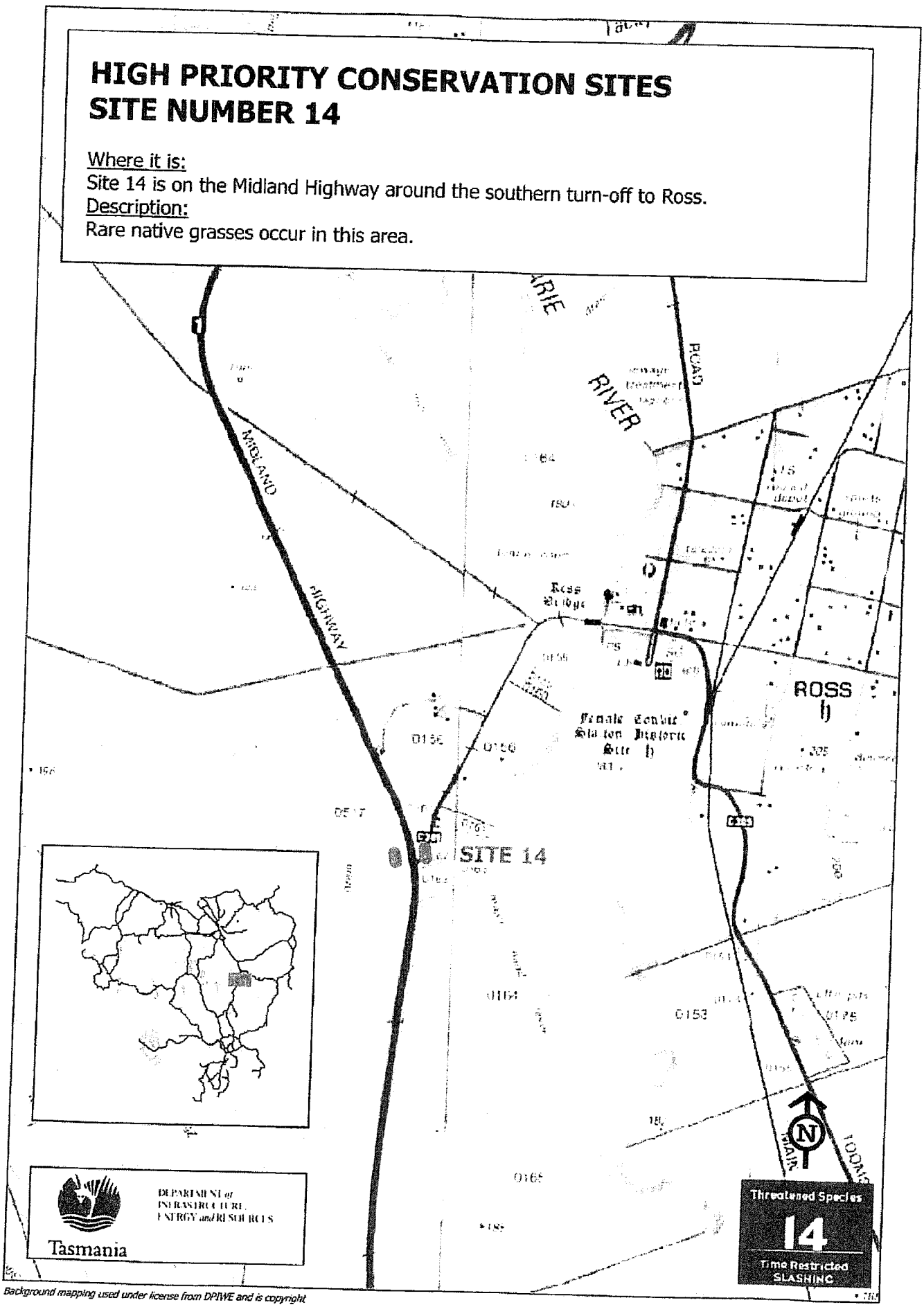
TIME RESTRICTED SLASHING

Threatened Species
14
Time Restricted SLASHING

Mowing/ Slashing	DO NOT MOW OR SLASH during November, December or January. Mow or slash this area between February and October only. Do not mow or slash with wet ground.
Drain cleaning	Clean drains as required but minimise the disturbed area. Remove spoil from the site and dispose of in a designated area (not on native vegetation).
Scraping /Grading	DO NOT scrape or grade beyond the table drain in this area.
Removal of material	DO NOT remove any material from this area, apart from drain spoil, unless it is essential. This material is likely to contain threatened plants, bulbs or seeds.
Stockpile & Parking	DO NOT stockpile materials or park within this area.
Pruning	DO NOT prune any plants here unless it is essential for safety or sightlines.
Clearing, Digging & Construction	ABSOLUTELY NO construction, clearing or digging is to occur within this area.
Weeding	DO NOT spray herbicide behind the furniture in this area. No other weed control actions to be done in this area.
Machinery and Equipment	Avoid bringing machinery into road reserves in Threatened Species Habitat areas. If machinery has to be brought in it must be cleaned of any soil contamination before entering to avoid weed transport.
Where is it	Site 14 is on the Midland Highway around the southern turn-off to Ross.
Description of Values	Rare native grasses occur in this area. There may be specific active management at this site but it also requires some modification of routine maintenance activities to protect and encourage rare native plants.
Management	Work in Threatened Species Habitat Areas is permitted by a Public Authority Management Agreement. Placement of Enviromark field markers assists in identification of these areas. Please report any damaged or apparently missing Enviromark field markers to the DIER Environmental Planner ph 6233 8753.

HIGH PRIORITY CONSERVATION SITES
SITE NUMBER 14

Where it is:
Site 14 is on the Midland Highway around the southern turn-off to Ross.
Description:
Rare native grasses occur in this area.



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SPECIFICATION

THREATENED SPECIES HABITAT

DISTANCE RESTRICTED SLASHING

Threatened Species

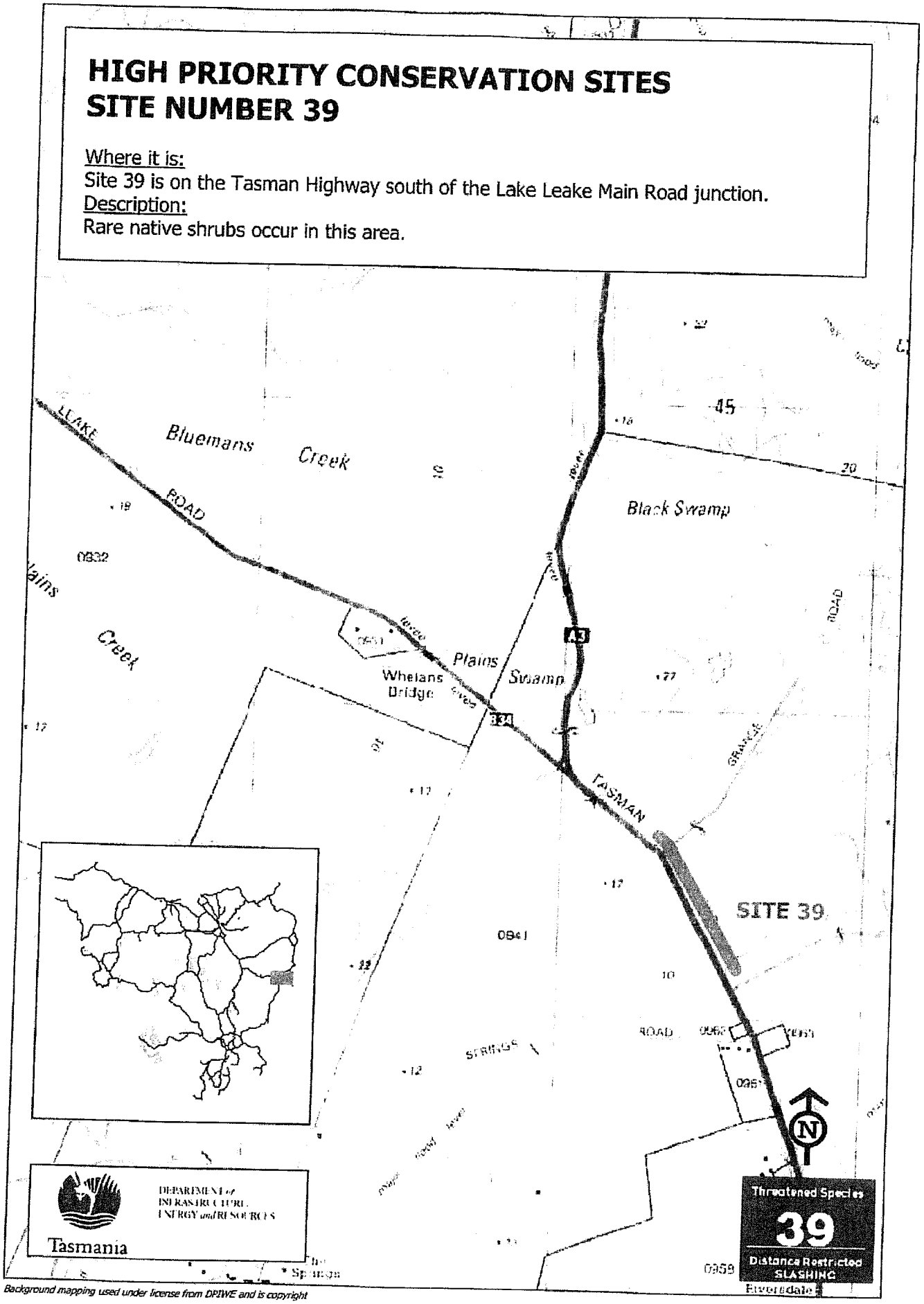
39

Distance Restricted SLASHING

Mowing/ Slashing	DO NOT MOW OR SLASH behind the furniture. Slash between the pavement and furniture only. Do not mow or slash when the ground is wet.
Drain cleaning	Clean drains as required but minimise the disturbed area. Remove spoil from the site and dispose of in a designated area (not on native vegetation).
Scraping /Grading	DO NOT scrape or grade beyond the table drain in this area.
Removal of material	DO NOT remove any material from this area, apart from drain spoil, unless it is essential. This material is likely to contain threatened plants, bulbs or seeds.
Stockpile & Parking	DO NOT stockpile materials or park within this area.
Pruning	DO NOT prune any plants here unless it is essential for safety or sightlines.
Clearing, Digging & Construction	ABSOLUTELY NO construction, clearing or digging is to occur within this area.
Weeding	DO NOT spray herbicide behind the furniture in this area. No other weed control actions to be done in this area.
Machinery and Equipment	Avoid bringing machinery into road reserves in Threatened Species Habitat areas. If machinery has to be brought in it must be cleaned of any soil contamination before entering to avoid weed transport.
Where is it	Site 39 is on the Tasman Highway at the Lake Leake Road junction.
Description of Values	Rare native shrubs occur in this area. There may be specific active management at this site but it also requires some modification of routine maintenance activities to protect and encourage rare native plants.
Management	Work in Threatened Species Habitat Areas is permitted by a Public Authority Management Agreement. Placement of Enviromark field markers assists in identification of these areas. Please report any damaged or apparently missing Enviromark field markers to the DIER Environmental Planner ph 6233 8753.

HIGH PRIORITY CONSERVATION SITES
SITE NUMBER 39

Where it is:
Site 39 is on the Tasman Highway south of the Lake Leake Main Road junction.
Description:
Rare native shrubs occur in this area.



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SPECIFICATION

THREATENED SPECIES HABITAT

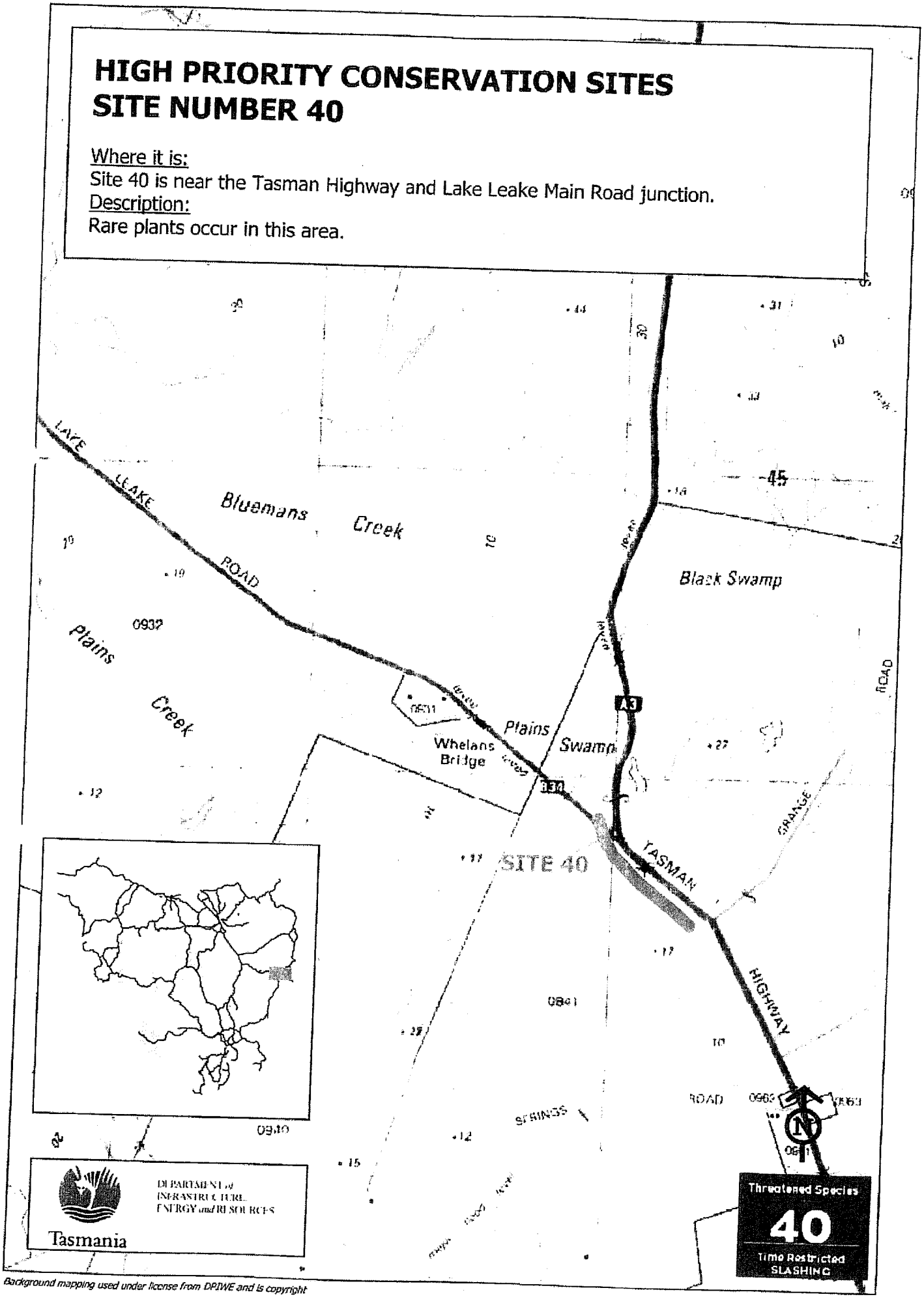
TIME RESTRICTED SLASHING

Threatened Species
40
Time Restricted SLASHING

Mowing/ Slashing	DO NOT MOW OR SLASH during November, December or January. Mow or slash this area between February and October only. Do not mow or slash when the ground is wet.
Drain cleaning	Clean drains as required but minimise the disturbed area. Remove spoil from the site and dispose of in a designated area (not on native vegetation).
Scraping /Grading	DO NOT scrape or grade beyond the table drain in this area.
Removal of material	DO NOT remove any material from this area, apart from drain spoil, unless it is essential. This material is likely to contain threatened plants, bulbs or seeds.
Stockpile & Parking	DO NOT stockpile materials or park within this area.
Pruning	DO NOT prune any plants here unless it is essential for safety or sightlines.
Clearing, Digging & Construction	ABSOLUTELY NO construction, clearing or digging is to occur within this area.
Weeding	DO NOT spray herbicide behind the furniture in this area. No other weed control actions to be done in this area.
Machinery and Equipment	Avoid bringing machinery into road reserves in Threatened Species Habitat areas. If machinery has to be brought in it must be cleaned of any soil contamination before entering to avoid weed transport.
Where is it	Site 40 is near the Tasman Highway/Lake Leake Rd junction.
Description of Values	Rare plants occur in this area. There may be specific active management at this site but it also requires some modification of routine maintenance activities to protect and encourage rare native plants.
Management	Work in Threatened Species Habitat Areas is permitted by a Public Authority Management Agreement. Placement of Enviromark field markers assists in identification of these areas. Please report any damaged or apparently missing Enviromark field markers to the DIER Environmental Planner ph 6233 8753.

HIGH PRIORITY CONSERVATION SITES
SITE NUMBER 40

Where it is:
Site 40 is near the Tasman Highway and Lake Leake Main Road junction.
Description:
Rare plants occur in this area.



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SPECIFICATION

THREATENED SPECIES HABITAT

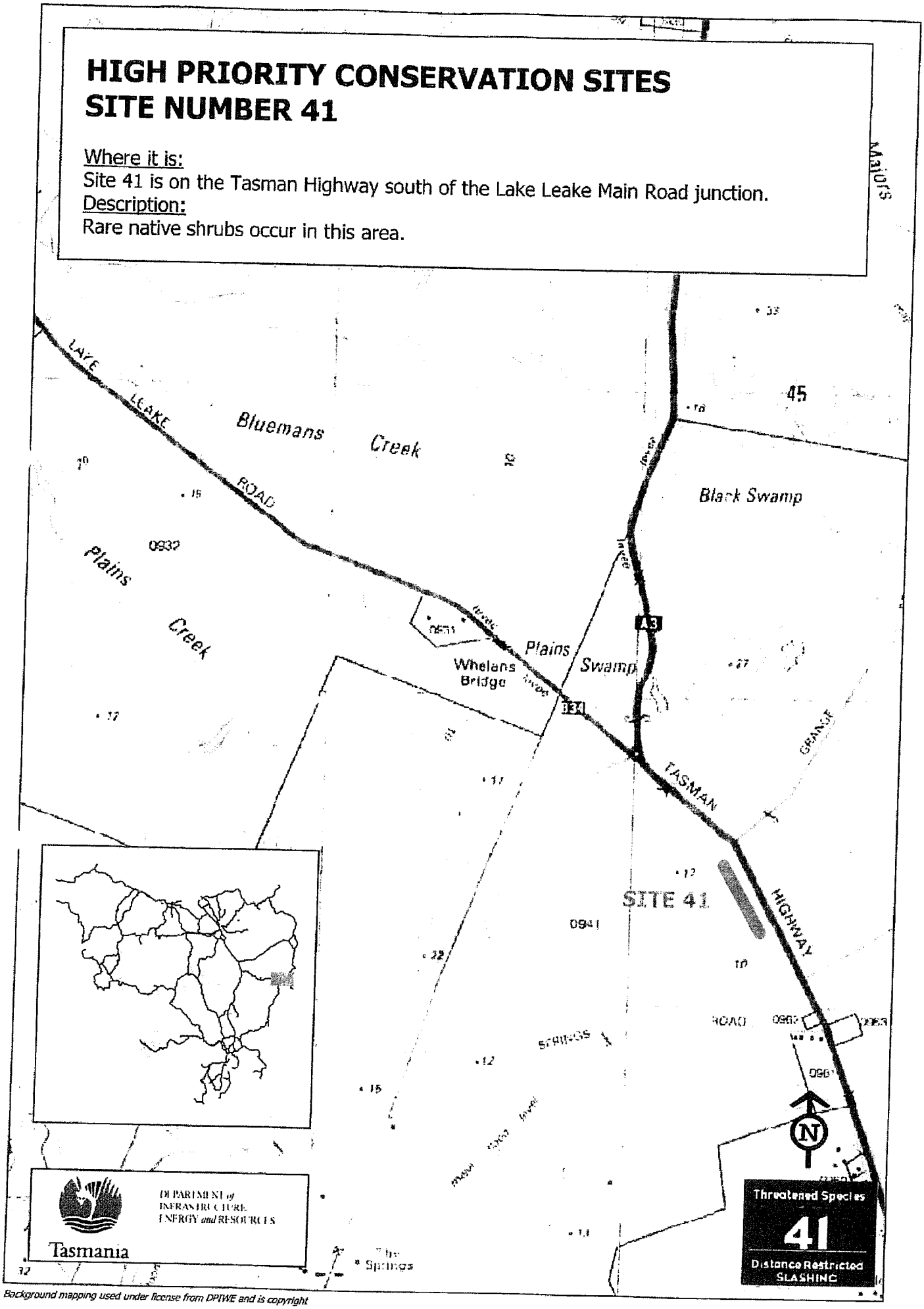
DISTANCE RESTRICTED SLASHING

Threatened Species
41
Distance Restricted SLASHING

Mowing/ Slashing	DO NOT MOW OR SLASH behind the furniture. Slash between the pavement and furniture only. Do not mow or slash when the ground is wet.
Drain cleaning	Clean drains as required but minimise the disturbed area. Remove spoil from the site and dispose of in a designated area (not on native vegetation).
Scraping /Grading	DO NOT scrape or grade beyond the table drain in this area.
Removal of material	DO NOT remove any material from this area, apart from drain spoil, unless it is essential. This material is likely to contain threatened plants, bulbs or seeds.
Stockpile & Parking	DO NOT stockpile materials or park within this area.
Pruning	DO NOT prune any plants here unless it is essential for safety or sightlines.
Clearing, Digging & Construction	ABSOLUTELY NO construction, clearing or digging is to occur within this area.
Weeding	DO NOT spray herbicide behind the furniture in this area. No other weed control actions to be done in this area.
Machinery and Equipment	Avoid bringing machinery into road reserves in Threatened Species Habitat areas. If machinery has to be brought in it must be cleaned of any soil contamination before entering to avoid weed transport.
Where is it	Site 41 is on the Tasman Highway at the Lake Leake Road junction.
Description of Values	Rare native shrubs occur in this area. There may be specific active management at this site but it also requires some modification of routine maintenance activities to protect and encourage rare native plants.
Management	Work in Threatened Species Habitat Areas is permitted by a Public Authority Management Agreement. Placement of Enviromark field markers assists in identification of these areas. Please report any damaged or apparently missing Enviromark field markers to the DIER Environmental Planner ph 6233 8753.

HIGH PRIORITY CONSERVATION SITES
SITE NUMBER 41

Where it is:
Site 41 is on the Tasman Highway south of the Lake Leake Main Road junction.
Description:
Rare native shrubs occur in this area.



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SPECIFICATION

THREATENED SPECIES HABITAT

DISTANCE RESTRICTED SLASHING

Threatened Species

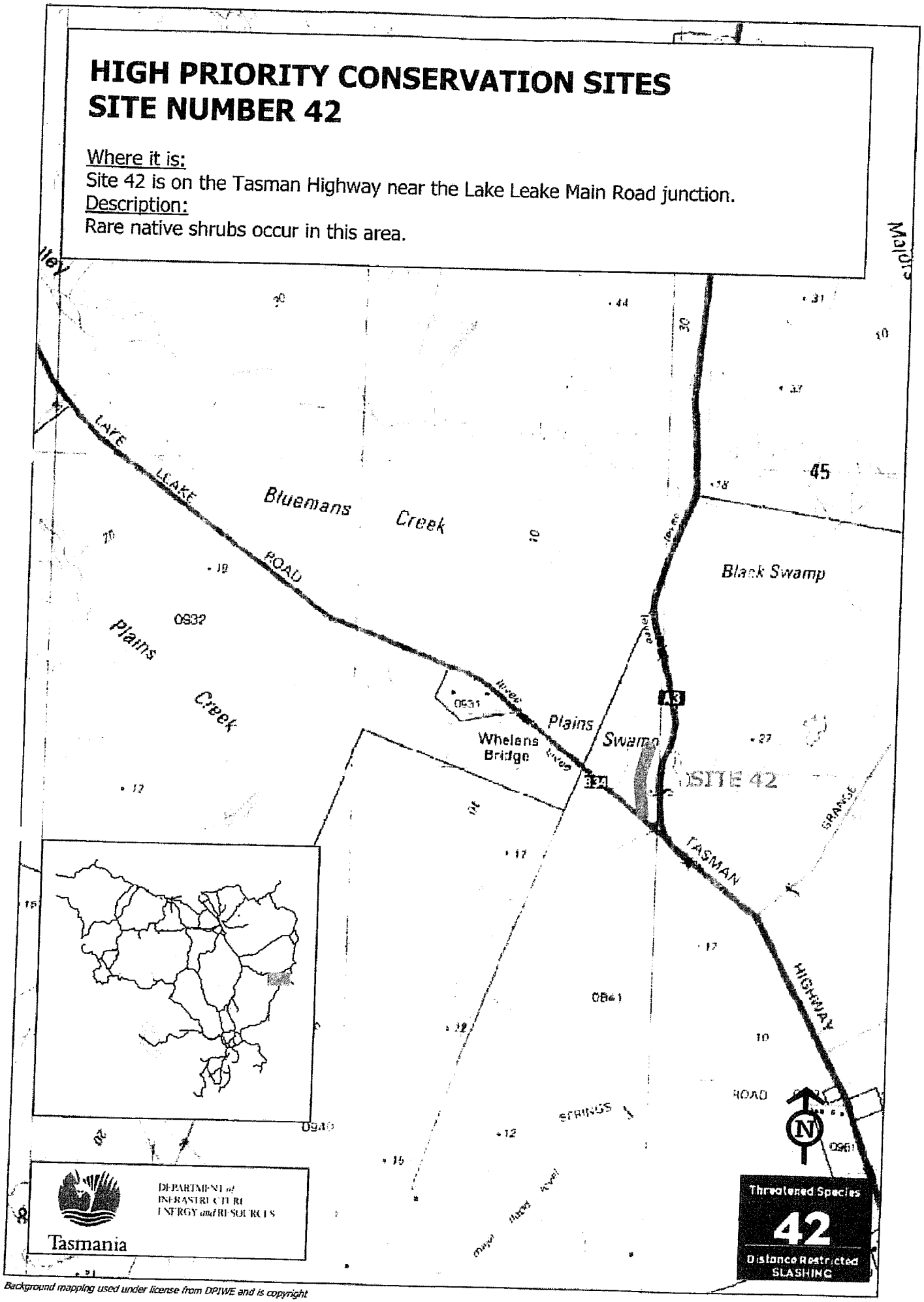
42

Distance Restricted SLASHING

Mowing/ Slashing	DO NOT MOW OR SLASH behind the furniture. Slash between the pavement and furniture only. Do not mow or slash when the ground is wet.
Drain cleaning	Clean drains as required but minimise the disturbed area. Remove spoil from the site and dispose of in a designated area (not on native vegetation).
Scraping /Grading	DO NOT scrape or grade beyond the table drain in this area.
Removal of material	DO NOT remove any material from this area, apart from drain spoil, unless it is essential. This material is likely to contain threatened plants, bulbs or seeds.
Stockpile & Parking	DO NOT stockpile materials or park within this area.
Pruning	DO NOT prune any plants here unless it is essential for safety or sightlines.
Clearing, Digging & Construction	ABSOLUTELY NO construction, clearing or digging is to occur within this area.
Weeding	DO NOT spray herbicide behind the furniture in this area. No other weed control actions to be done in this area.
Machinery and Equipment	Avoid bringing machinery into road reserves in Threatened Species Habitat areas. If machinery has to be brought in it must be cleaned of any soil contamination before entering to avoid weed transport.
Where is it	Site 42 is on the Tasman Highway at the Lake Leake Road junction.
Description of Values	Rare native shrubs occur in this area. There may be specific active management at this site but it also requires some modification of routine maintenance activities to protect and encourage rare native plants.
Management	Work in Threatened Species Habitat Areas is permitted by a Public Authority Management Agreement. Placement of Enviromark field markers assists in identification of these areas. Please report any damaged or apparently missing Enviromark field markers to the DIER Environmental Planner ph 6233 8753.

HIGH PRIORITY CONSERVATION SITES
SITE NUMBER 42

Where it is:
Site 42 is on the Tasman Highway near the Lake Leake Main Road junction.
Description:
Rare native shrubs occur in this area.



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SPECIFICATION

THREATENED SPECIES HABITAT

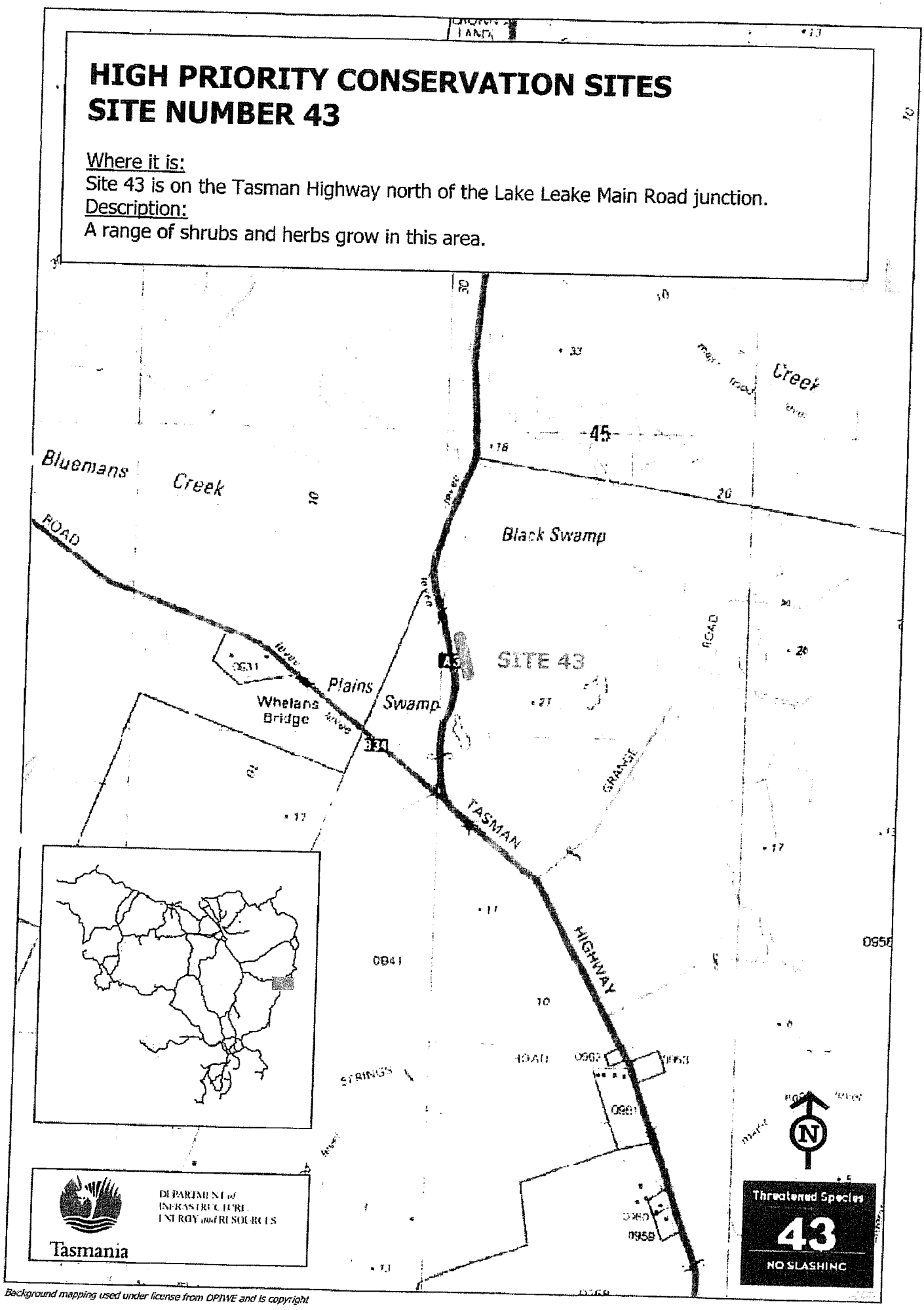
NO SLASHING

Threatened Species
43
NO SLASHING

Mowing/ Slashing	DO NOT MOW OR SLASH this area.
Drain cleaning	Clean drains as required but minimise the disturbed area. Remove spoil from the site and dispose of in a designated area (not on native vegetation).
Scraping /Grading	DO NOT scrape or grade beyond the table drain in this area.
Removal of material	DO NOT remove any material from this area, apart from drain spoil, unless it is essential. This material is likely to contain threatened plants, bulbs or seeds.
Stockpile & Parking	DO NOT stockpile materials or park within this area.
Pruning	DO NOT prune any plants here unless it is essential for safety or sightlines.
Clearing, Digging & Construction	ABSOLUTELY NO construction, clearing or digging is to occur within this area.
Weeding	DO NOT spray herbicide behind the furniture in this area. No other weed control actions to be done in this area.
Machinery and Equipment	Avoid bringing machinery into road reserves in Threatened Species Habitat areas. If machinery has to be brought in it must be cleaned of any soil contamination before entering to avoid weed transport.
Where is it	Site 43 is on the Tasman Highway south of the Lake Leake road junction.
Description of Values	A range of rare shrubs and herbs grow in this area. There may be specific active management at this site but it also requires some modification of routine maintenance activities to protect and encourage rare native plants.
Management	Work in Threatened Species Habitat Areas is permitted by a Public Authority Management Agreement. Placement of Enviromark field markers assists in identification of these areas. Please report any damaged or apparently missing Enviromark field markers to the DIER Environmental Planner ph 6233 8753.

HIGH PRIORITY CONSERVATION SITES
SITE NUMBER 43

Where it is:
Site 43 is on the Tasman Highway north of the Lake Leake Main Road junction.
Description:
A range of shrubs and herbs grow in this area.



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