

ANNUAL REPORT FOR THE PERIOD 16/12/2008
TO 16/12/2009
BRIDPORT EXPLORATION LICENCE
EL 10/2008

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DATE:

16thDec.2009

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- JI Stewart -Perth

ABSTRACT

EL 10/2008 Bridport was granted on 16th December 2008 .It is 118sqkm in area and was claimed to explore for the potential for heavy mineral sands ,particularly cassiterite, zircon, illmenite, rutile, monazite, gold, and gemstones (topaz ,sapphire, ruby etc).

Work during the annual period comprised research and compilation of MRT new release geophysics, previous exploration and interpretation of data. Detailed Interpretation of Processed Landsat Imagery with emphasis on the features peculiar to paleo strand lines was attempted.

Published radiometric and magnetic imagery and interrogation of Google Earth Imagery were utilized to find evidence of relationship between current landform and botany and underlying marine strandlines and paleostructure.

Significant amounts of data pertaining to local environmental studies and experiments was examined .

It has been found that the current landuse has severely affected the botanical environment and spectral signatures such that there is little perceived relationship between these and the underlying geology-geography deduced from geophysics.

It appears that no recoverable ,significant mineral exploration has been completed in the interpreted paleostrand line areas. Therefore there remains potential for new deposits of heavy mineral sands on the tenement area.

Ground reconnaissance is required to test for the presence of heavy minerals and follow-up the radiometric anomalies interpreted.

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1.INTRODUCTION

Exploration Rational – see abstract

Licence

Tenement Number EL10/2008

Beneficial Holder

The Tenement was applied for by James Stewart. P.O.Box 7298,Karawarra,PERTH 6152.

Area – figure 1a.

The project area is currently encompassed by a 118 sq. km Exploration Licence, EL 10 / 2008. Specifically:

Date of Grant 16 / 12 / 2008

Date of Expiry 16 / 12 / 2013

Tenement Location

The Bridport Project is located in north east Tasmania directly east of the Town of Bridport .

Access to the perimeter and northern segment of the project area is excellent. However, access to the southern part of the tenement is extremely limited . An all weather sealed road services the townships of

The Tenement is located over the land tenure known as private land, Crown land, Forest Reserve and State Forest.

Reporting Period is 16th December 2009 to 16th December 2010.

2.REVIEW OF PREVIOUS WORK

Prior to Current Tenement

A number of previous exploration efforts comprised regional auger drilling traverses proximal to the current coastline and adjacent strandlines- 1970 and 1989 (EL41/87 and EL40/87,EL5/70) .

Auger drilling was sampled at 5ft intervals and HM concentrates obtained (SC1,ESC1,NB3,NB5,WH1-11,WH6-11 and WH 1-5).

Other than HMC in current tidal flat ripples the auger samples returned from 0.28 to 1.4% total heavy minerals (eg. near the Great Forester River-Melaleuka Park, Anderson Bay, Noland bay, and Cape Portland).

Cassiterite was not commonly reported but the work was shallow or surficial—mostly 5 to 25feet in depth.

Reasonable exploration work was undertaken to the west and adjoining the tenement by AngloAustralian Resources NL (EL38/94-Nabowla).Most of their work comprised seeking basement gold deposits in the East Denison Goldfield where a 12km long belt of anomalism and historical workings trend into the town of Bridport itself.

Likewise to the east a Goldfield flanks the current tenement.

Thus the two areas may have supplied potential sources for alluvial gold into the paleo marine embayment now covered by Quaternary sands of EL10/2008??

Examination of the work of Van Diemen and other s to the south illustrate an interpretation that the ancestral Ringarooma River (which drains the Stanniferous Blue Tier and Mt Cameron batholiths –massifs) may have passed adjacent to and west of Mt Cameron debouching into the paleo marine embayment (the southern tip of EL10/2008).They interpreted potential large HMC sources under cover to the west of Endurance and Pioneer. By implication ,this contention supports the concept of potential

for new cassiterite deposits in the shallowly covered paleo marine embayment.

See Figure 4.

During Current Tenure

To date there is still no evidence that modern exploration examined the Bridport area for heavy mineral sands except within the corridor adjacent to the current coastline.

3.Regional Geology and Mineralisation – See Figures 2 and 3.

4.EXPLORATION COMPLETED DURING CURRENT REPORT PERIOD

Prospect based exploration Activities

A photo-structural analysis has not been viable due to the intense spectral influence of farming activity and its influence on hydrology and subsurface aquifers-old vegetation.

See Figure 5.

Google earth was examined in fine detail for spectral features identified in the Landsat Imagery.

Further worked is aimed at ground verification of the geophysical anomalies.

5.DISCUSSION OF RESULTS

Pending further activity

6.CONCLUSIONS

Recommendations and Proposed Future Exploration

Field examination for evidence of HMC and potential sampling sites.

Assessment of landuse and assess potential.

Examination of sites representative of the uranium and thorium anomalies and the (figure 2) .

Satellite spectral signatures.

7.ENVIRONMENT

Surface Disturbing Operations: No surface disturbing operations conducted during the period.

Surveys: extensive literature exists for Landcare and Forestry Projects in the surrounding area. Public Information was assessed to determine possible environmental sensitivities (eg NE Coast Landcare Group-Waterhouse Region, Farm Forestry Programme 1997-2000 etc).*see Figure 5.*

Rehabilitation; Not Applicable during the reporting period

8.EXPENDITURE

Expenditure on exploration for the period 16December 2008 to 11November 2009;

Geoscientific Costs

Land Assess Costs

Administration Costs

TOTAL \$72,924

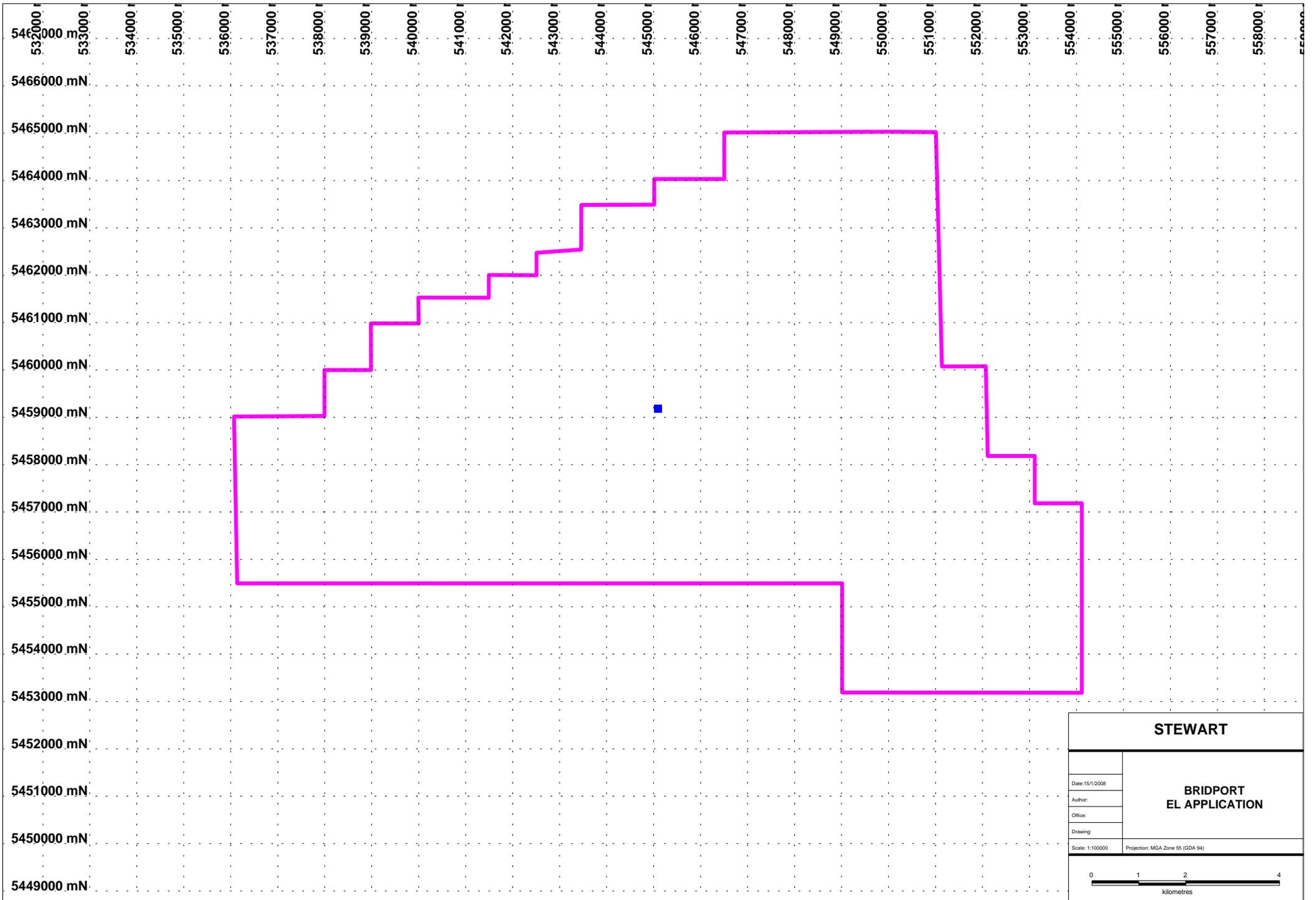
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-  Mitre_02_data.ppt
-  Mitre_03_Flinders.ppt
-  Mitre_04_NETas_mag.ppt
-  Mitre_05_NETas_rad.ppt

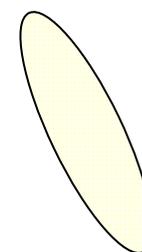
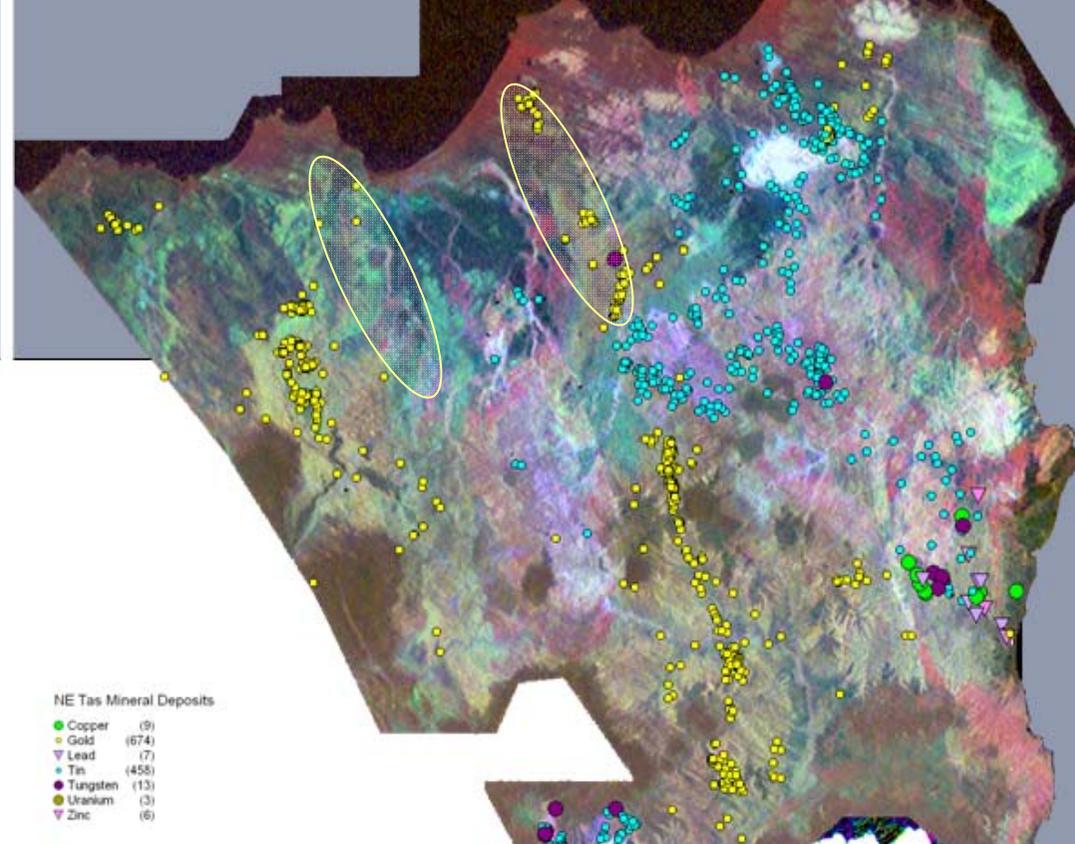
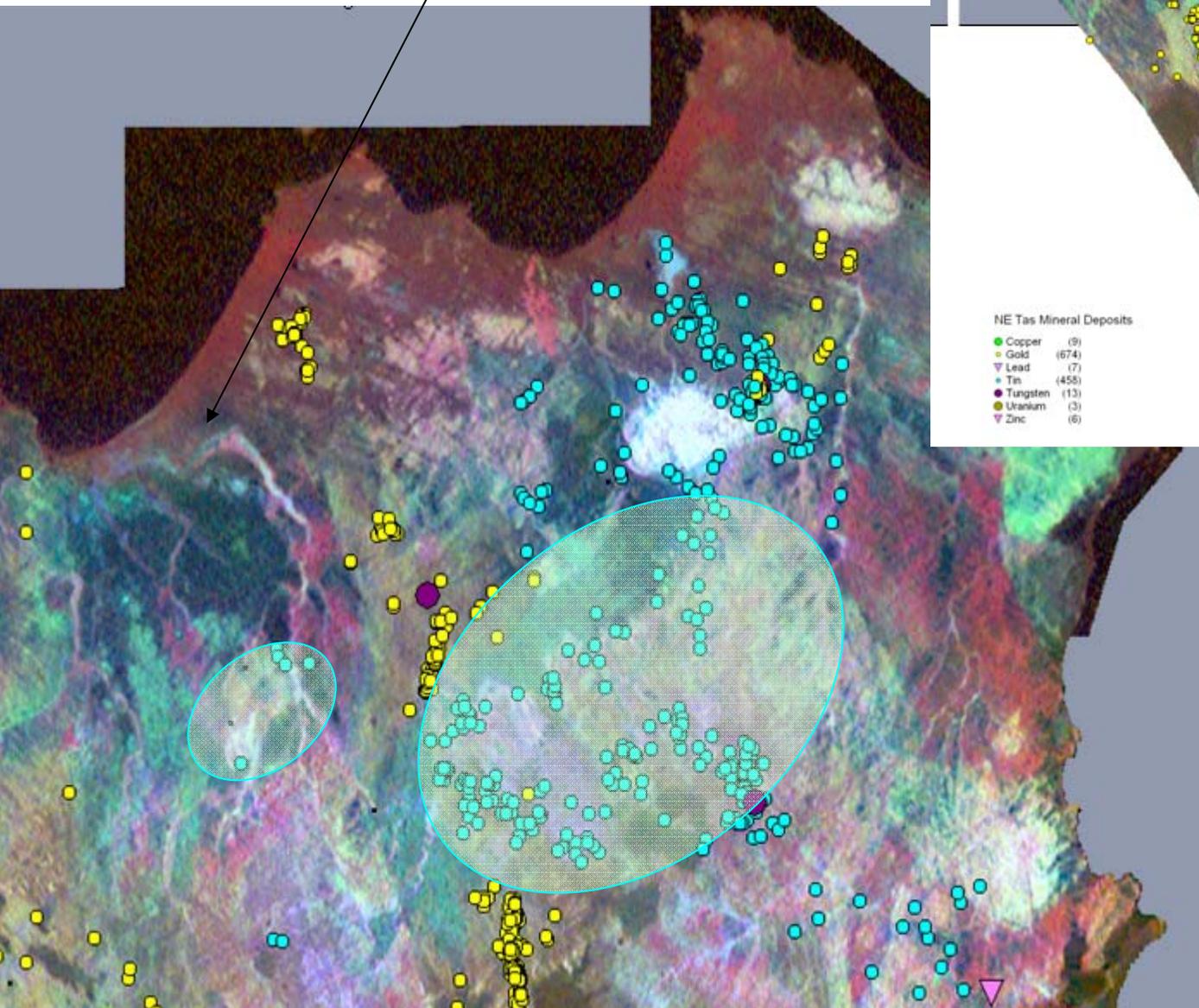
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142: 351-356 *Journal of the Geological Society*.



STEWART	
	BRIDPORT EL APPLICATION
Date: 15/1/2008	
Author:	
Office:	
Drawing:	
Scale: 1:100000	Projection: MGA Zone 55 (GDA 94)

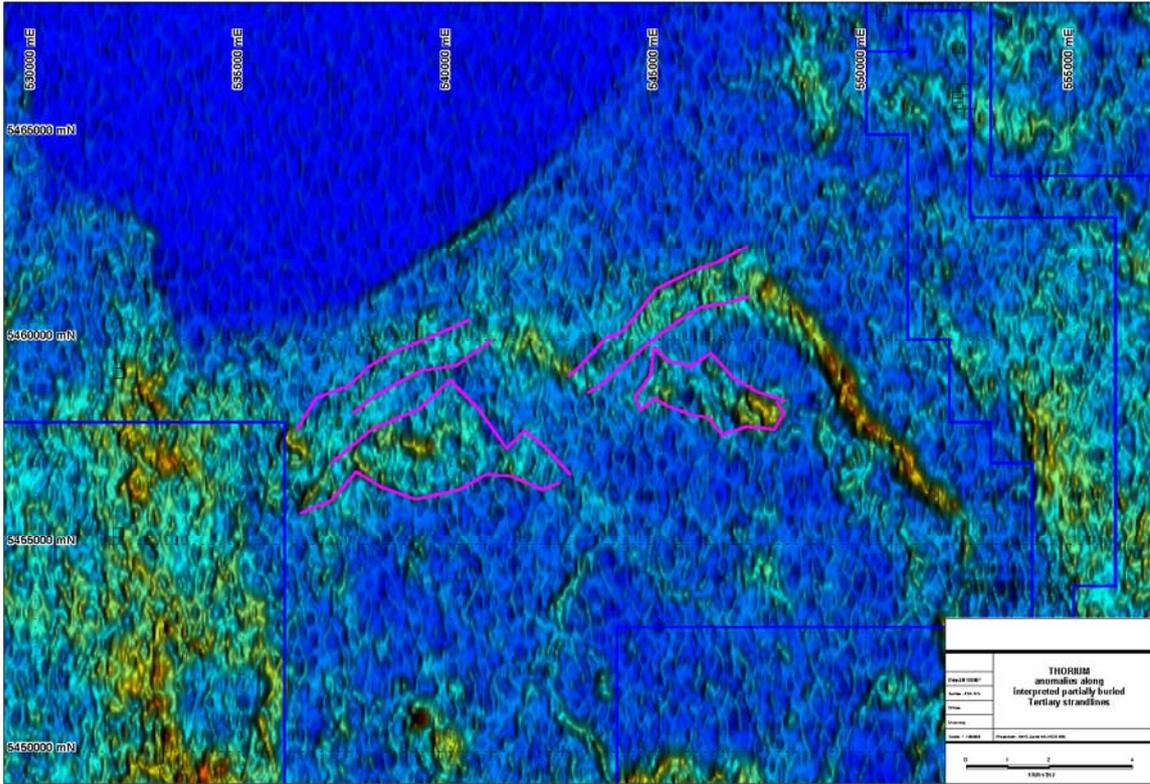
Bridport EL10-2008



Flanking Goldfields

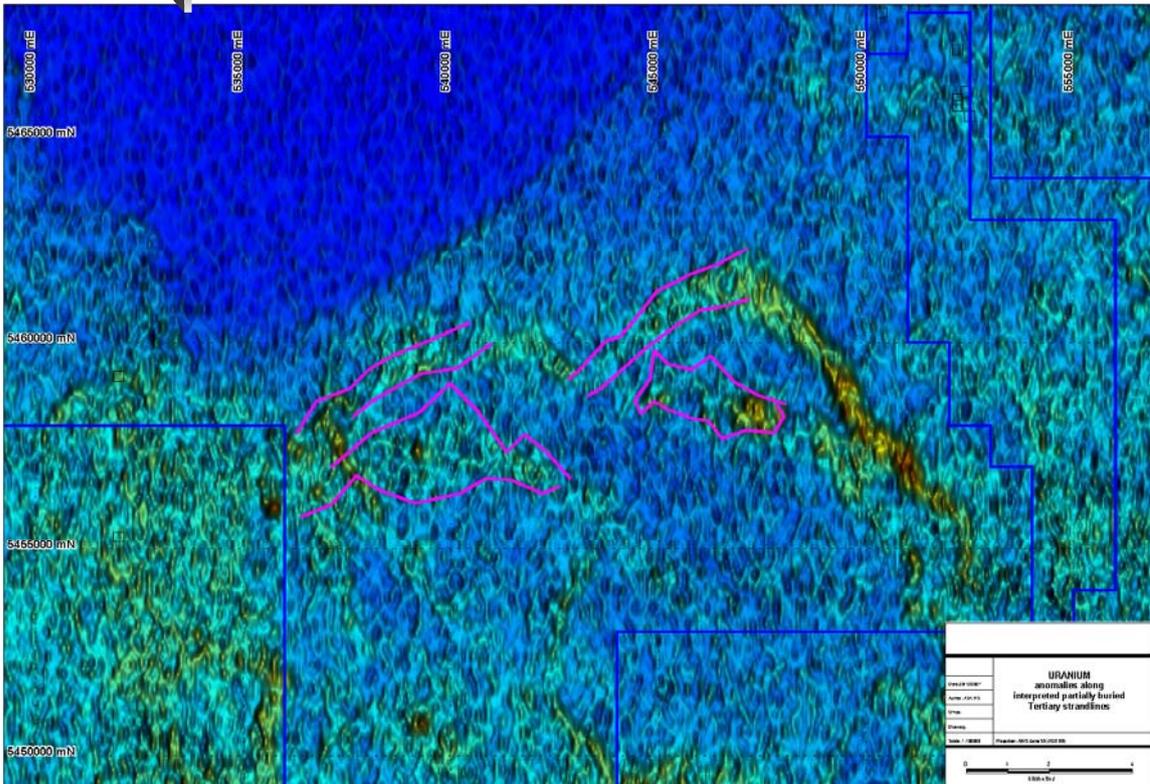


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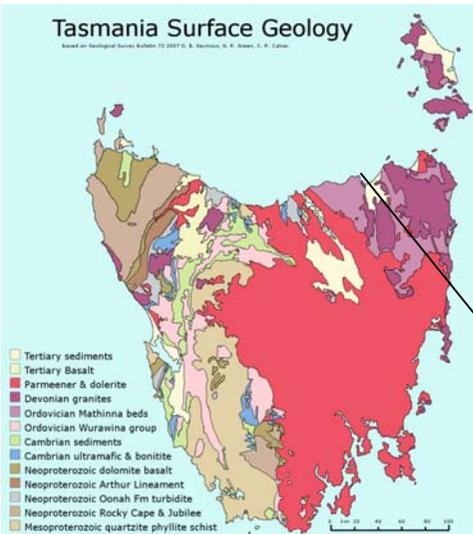
Bridport EL10-2008

Interpreted Strandlines on MRT Th and U

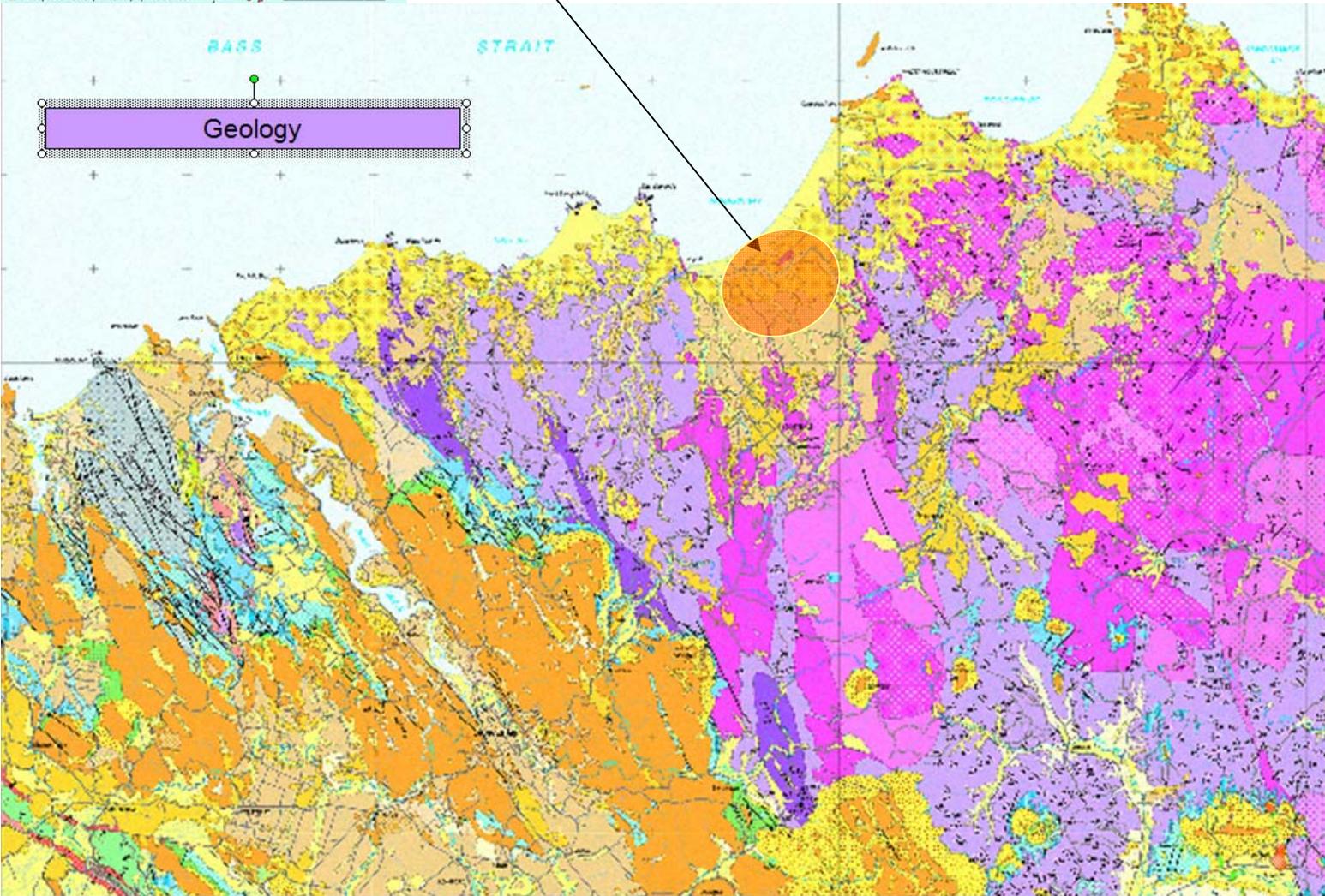


Tasmania Surface Geology

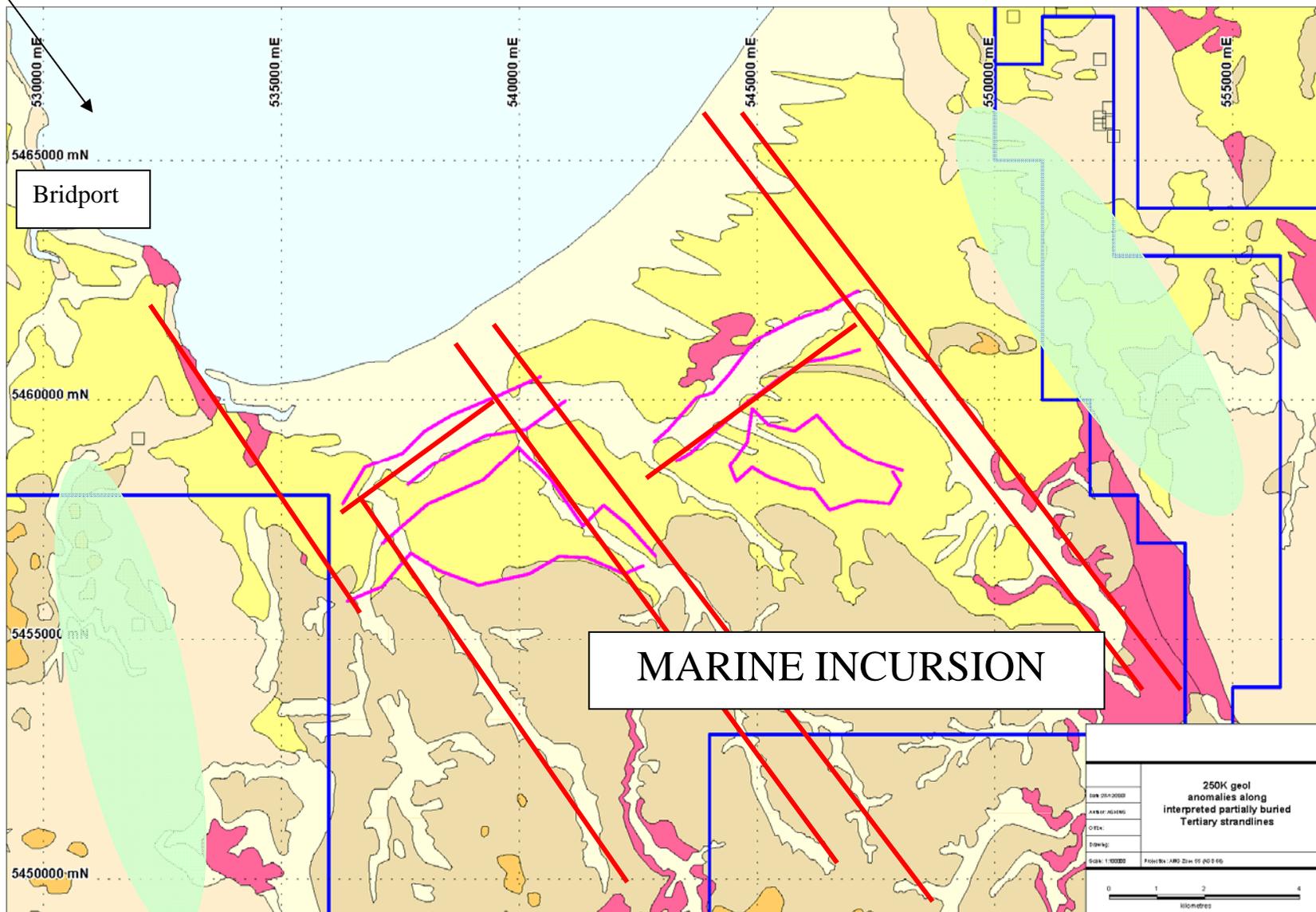
Based on Geological Survey Bulletin 72 (2007) by S. Searles, G. F. Searles, G. F. Searles

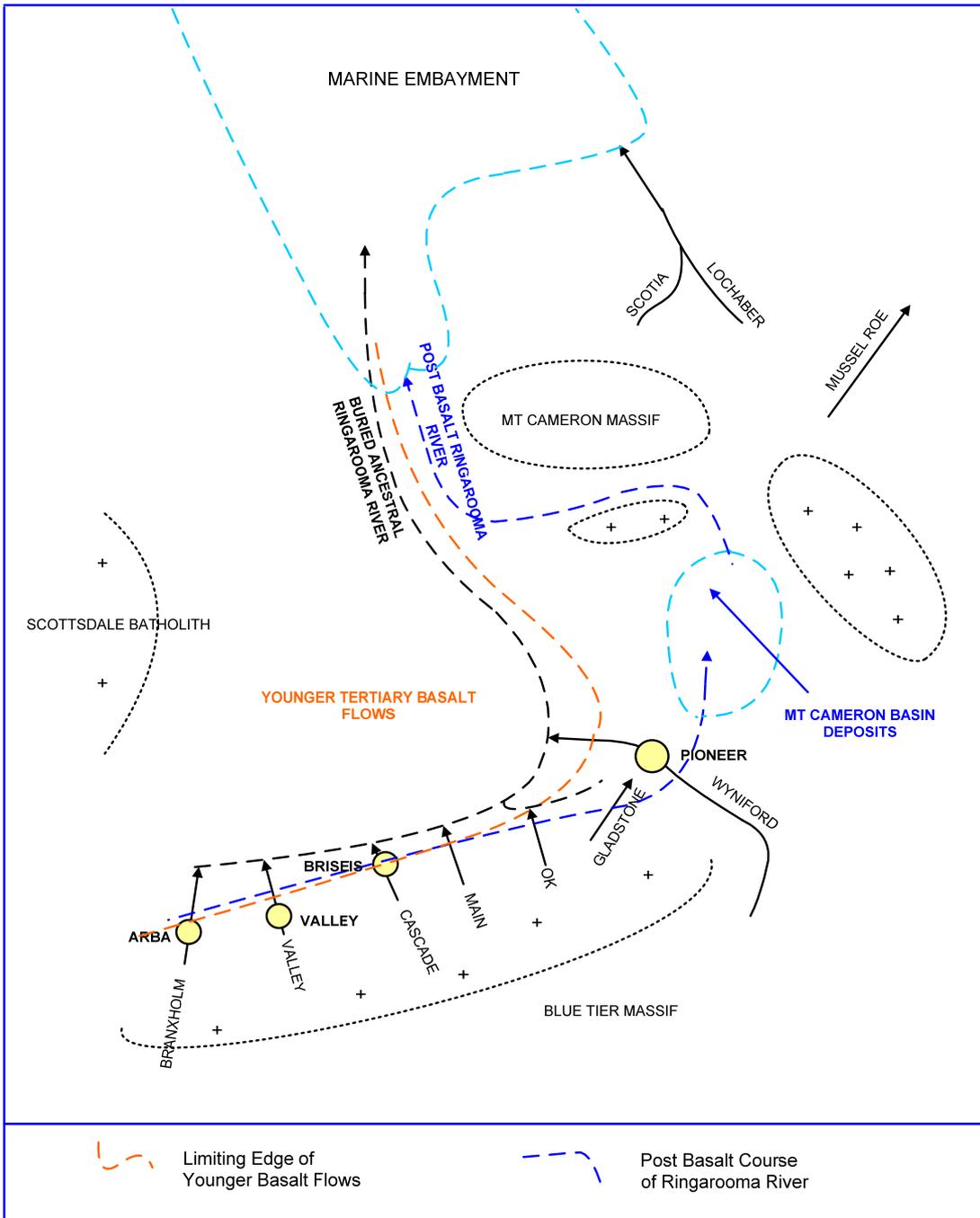


NETasmania-Project Area and Geology

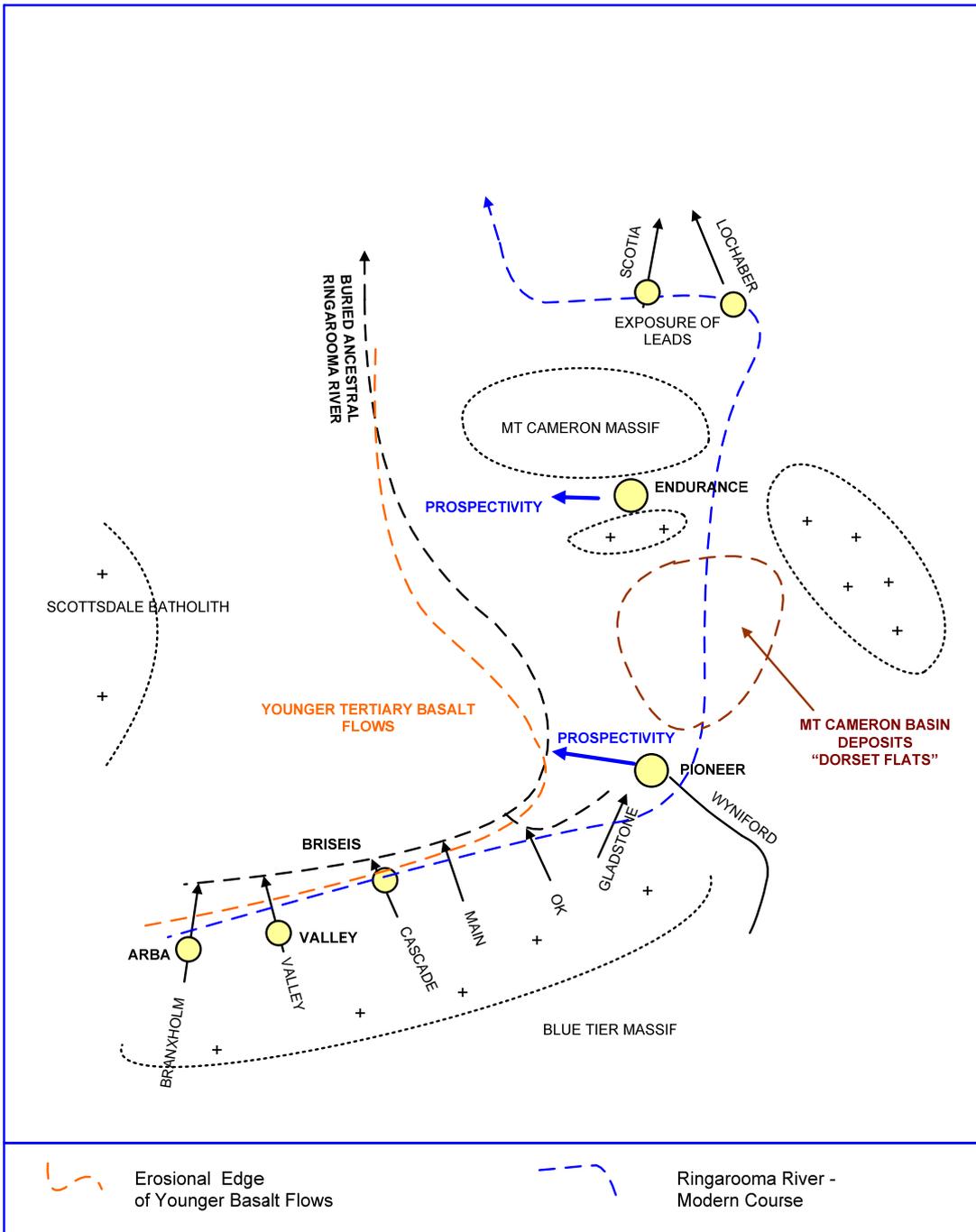


Bridport Interpreted Strandlines and Structure on Quaternary Geology





STAGE 2
PERIOD OF YOUNGER BASALT VOLCANISM
BURIAL OF ANCESTRAL RINGAROOMA RIVER



**STAGE 4
RINGAROOMA RIVER CAPTURE
FLOW DIVERSION TO RINGAROOMA EMBAYMENT**

Great Forester River

