

UR1987-11

1987/11. Burnie area gravity tie stations.

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This report presents absolute gravity values for a series of tie stations in the Burnie area of north-west Tasmania. Intervals were measured using Sodin gravity meter S183, with a minimum of six measurements of each interval. All observed gravity values have an error of less than 1 $\mu\text{m}/\text{sec}^2$.

The observed gravity values are given in Table 1 and the station locations are shown on Figure 1.

Table 1. GRAVITY TIE STATIONS, BURNIE AREA

<i>Location</i>	<i>Number</i>	<i>Adjusted gravity value (m/sec^2)</i>	<i>AMG reference</i>
Wynyard	8751-9002	9.8028603	394700, 5460100
Camdale	8751-9003	9.8028032	402550, 5455900
Wivenhoe	8751-9004	9.8027662	410550, 5452950
Sulphur Creek	8751-9005	9.8028015	417400, 5450600
Penguin	8751-9006	9.8026715	422350, 5447100
Wynyard Airport	8751-9007	9.8028462	392730, 5461000

More detailed location plans and descriptions are given for each station in the following pages. The location of the station in the photograph is shown by the "witches hat", which was placed on the station to make the locations more obvious.

[24 March 1988]

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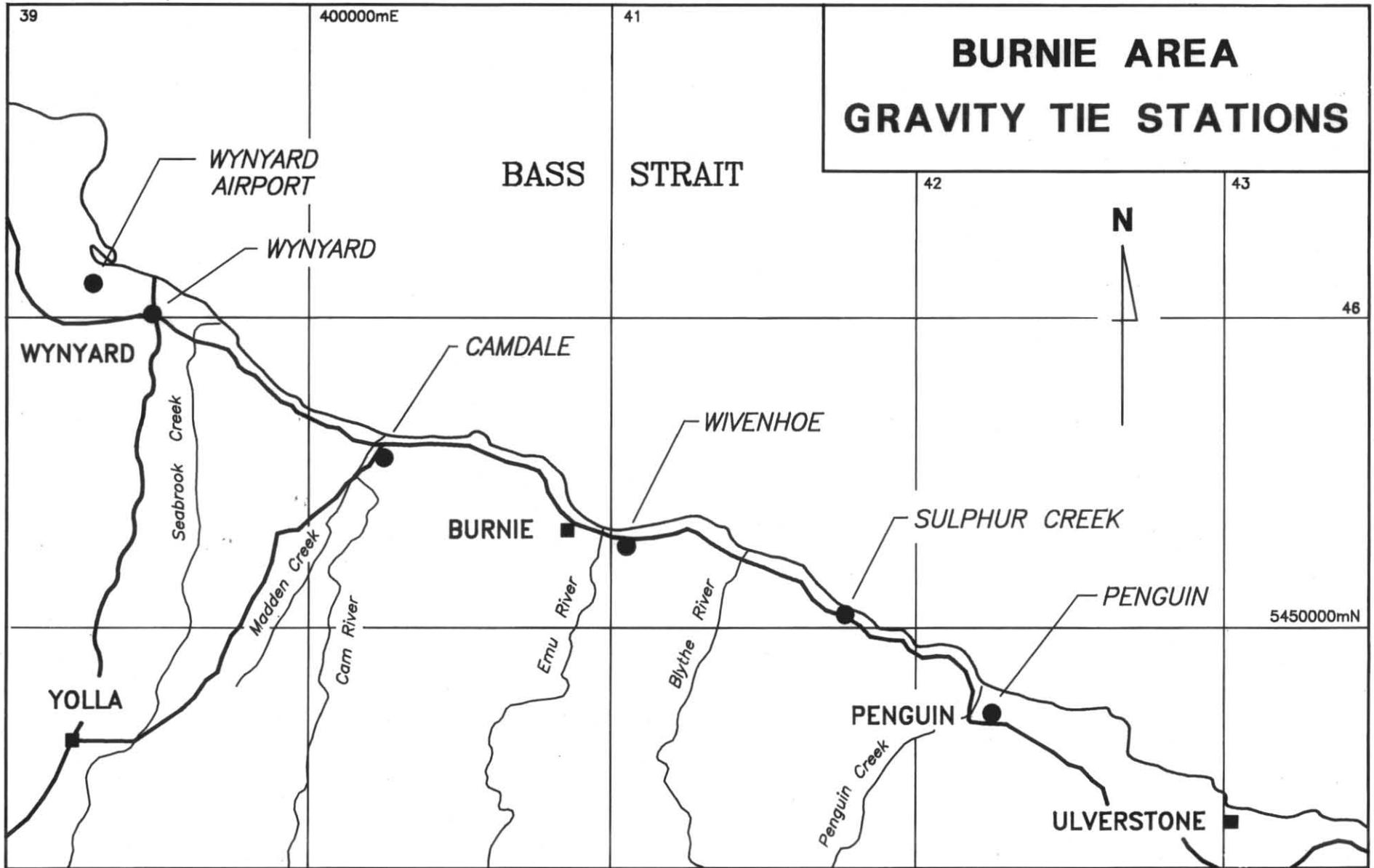


Figure 1.

5 cm

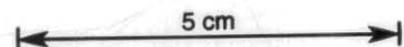
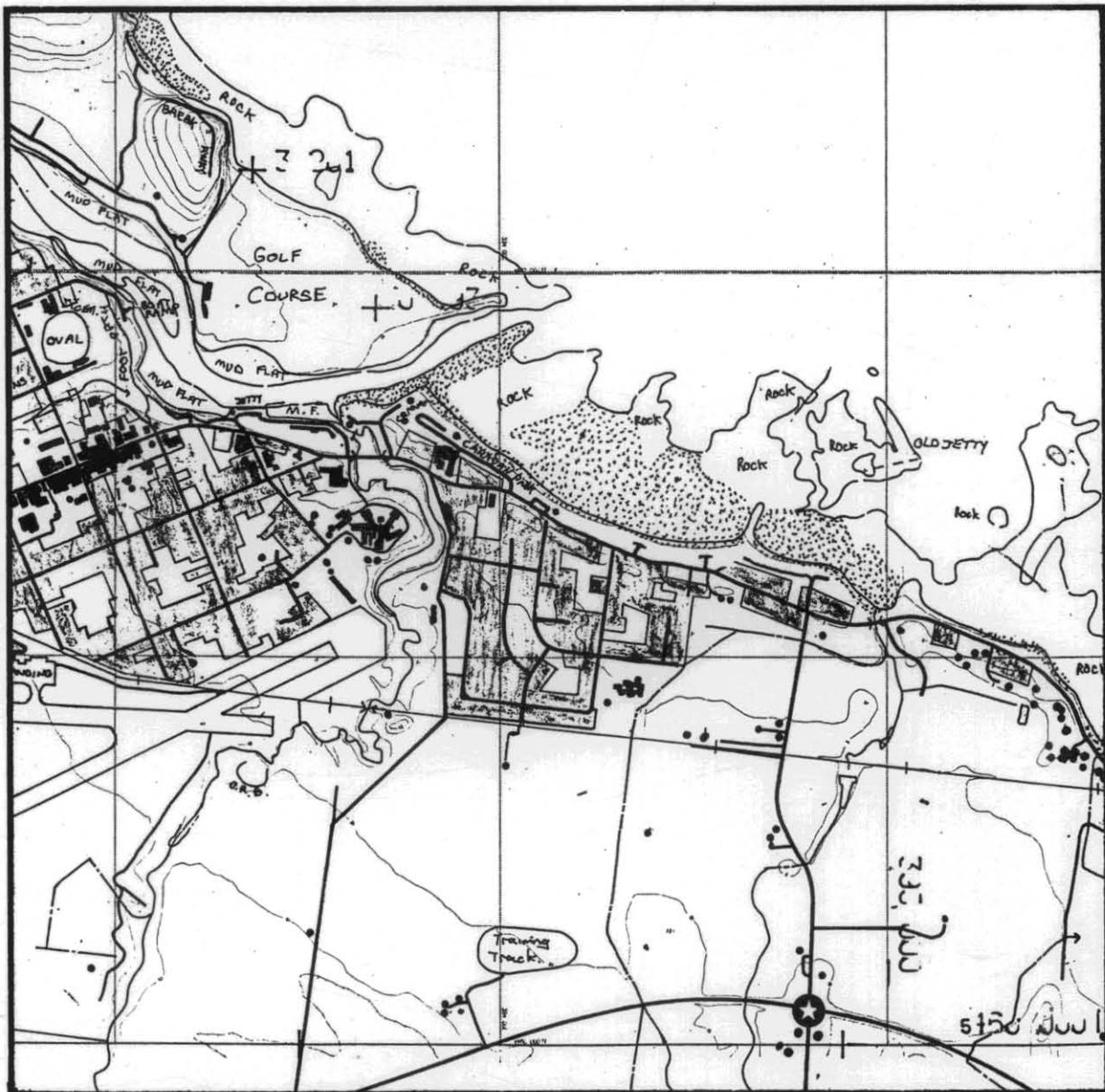
APPENDIX 1

Location details of Burnie area gravity tie stations

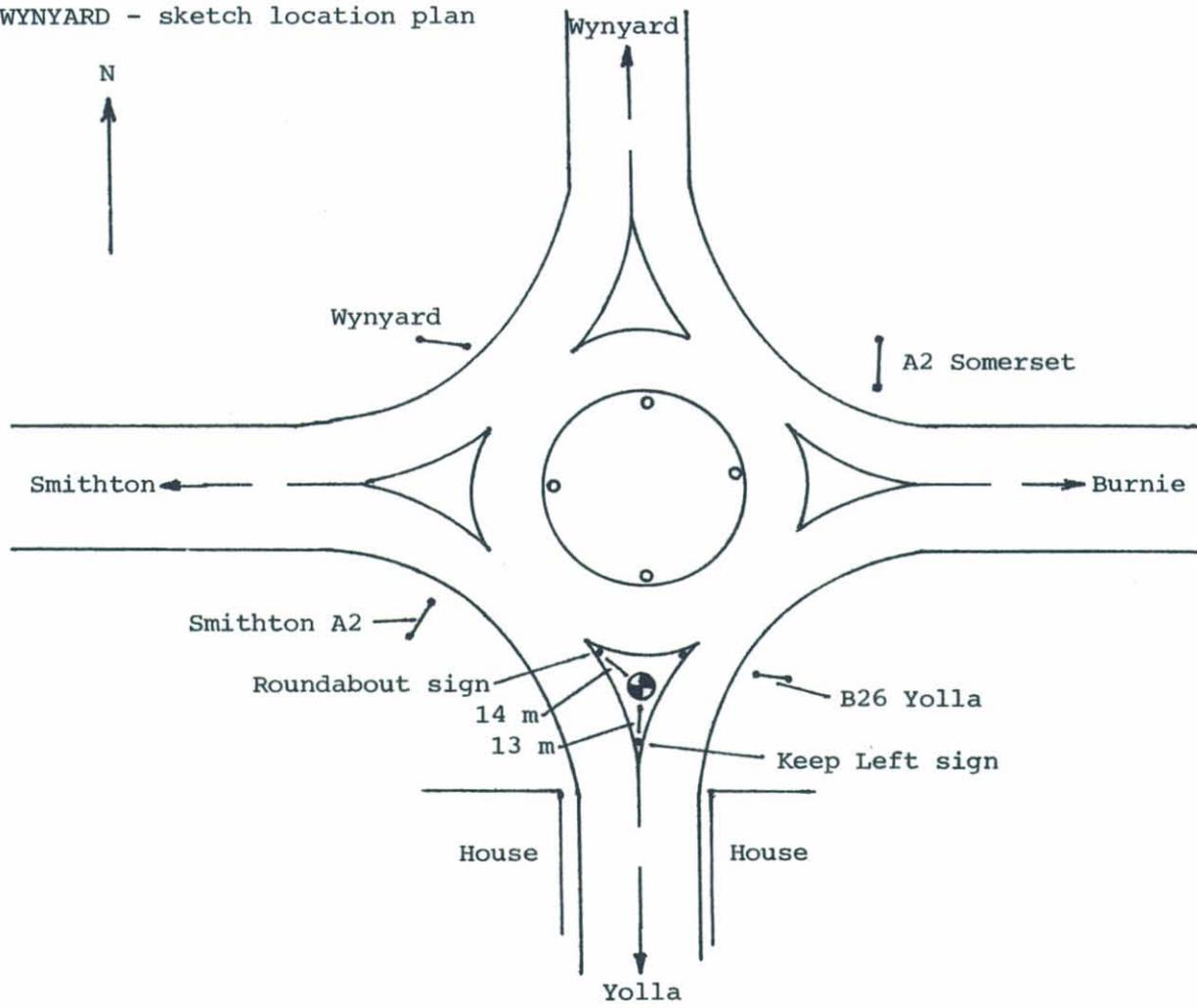
WYNYARD (8751.9002)

AMG reference: 394700 mE
5460100 mN

Description: Station is a metal rod set in concrete in the centre of a paved traffic island at the intersection of the Bass Highway and the Wynyard-Yolla (Mt Hicks) road. The island is on the southern side of the Bass Highway, in the centre of the road leading to Yolla (B26).



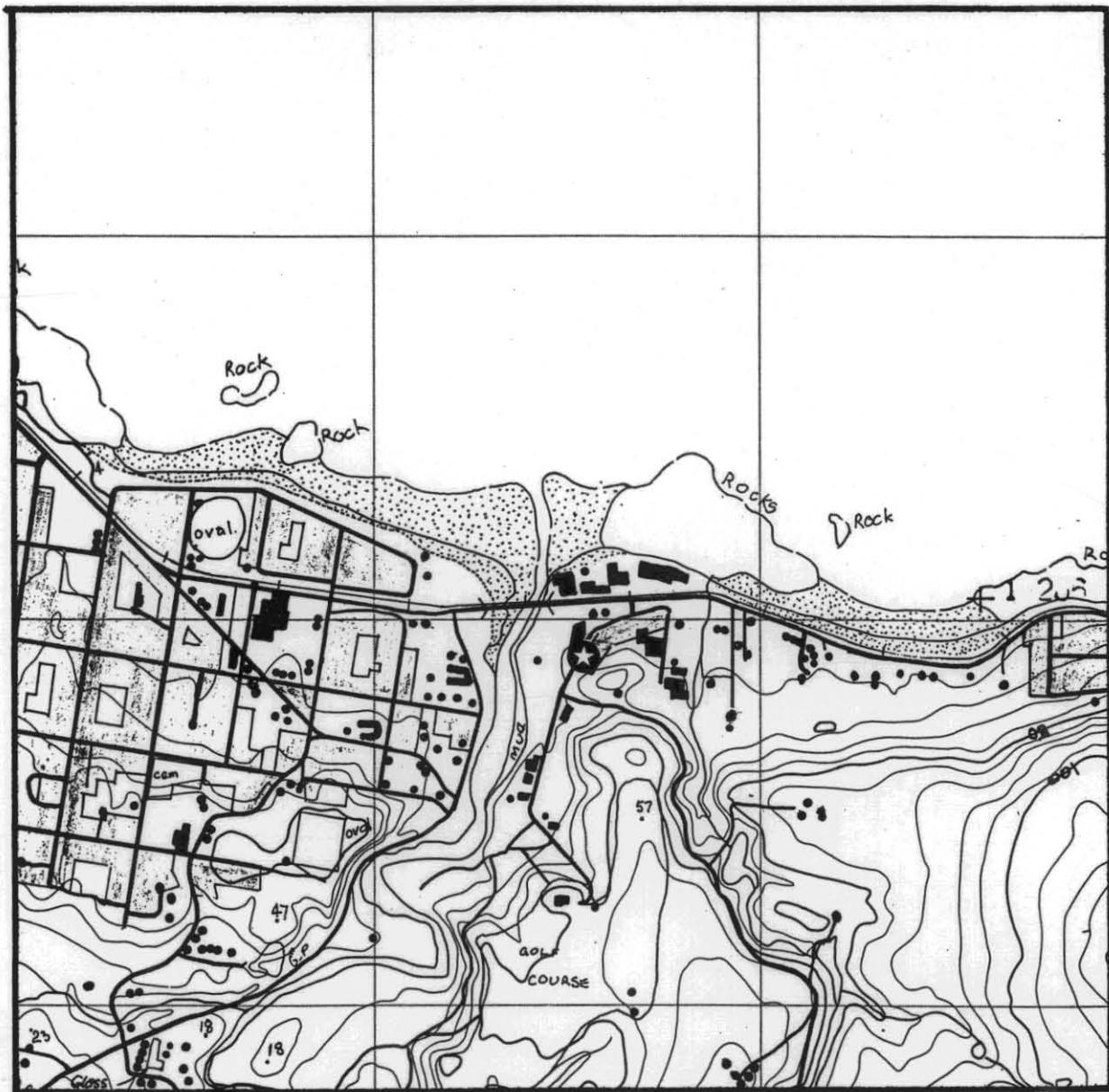
WYNYARD - sketch location plan



CAMDAL (8751.9003)

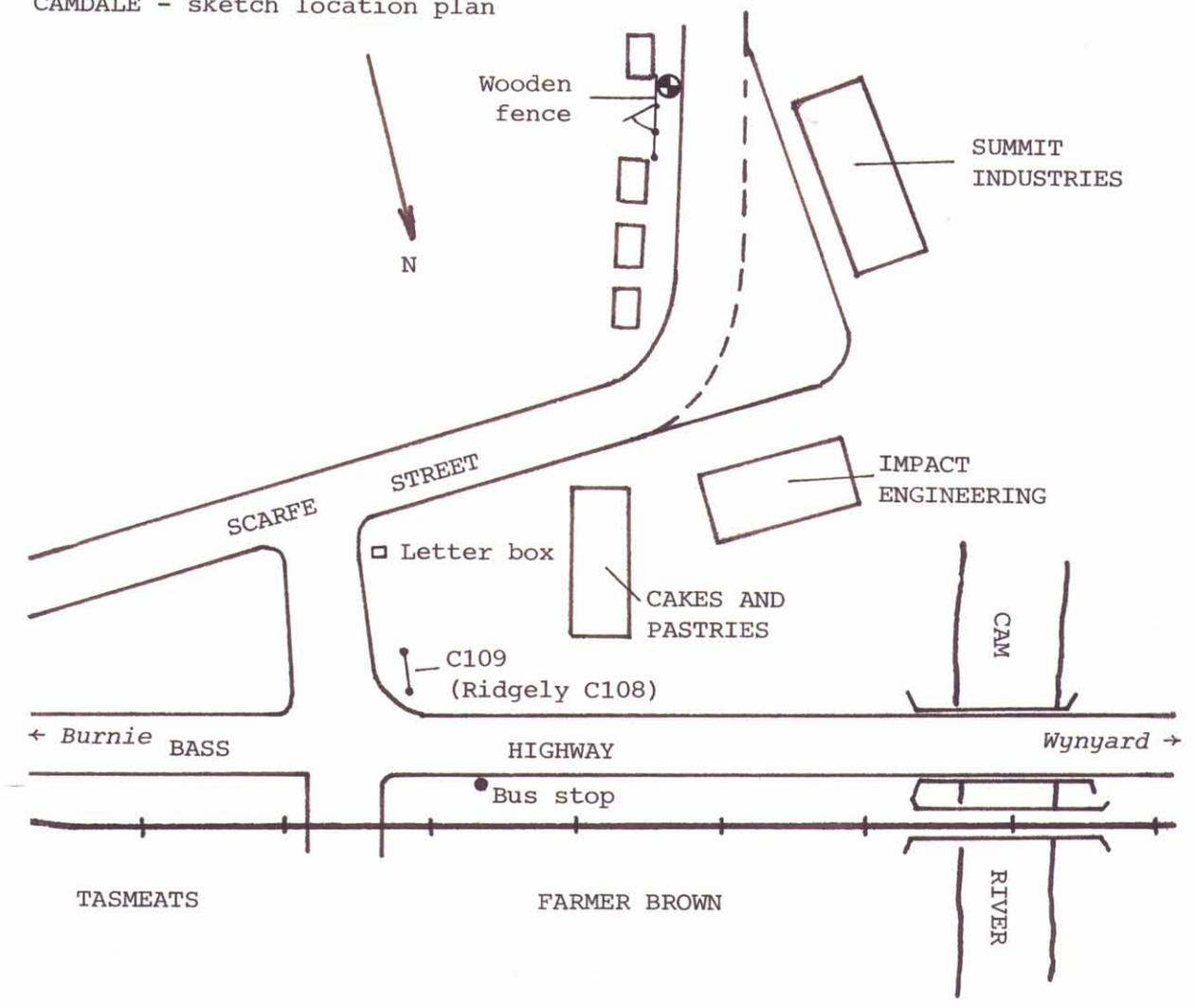
AMG reference: 402550 mE
5455900 mN

Description: Gravity station is a metal bolt inserted in a hole drilled in the concrete surround of a stop valve on the eastern side of Scarfe Street, near the entrance to Camdale Joinery. The location is approximately 200 m from the intersection of Scarfe Street and the Bass Highway.



5 cm

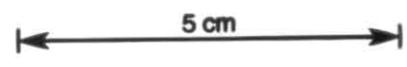
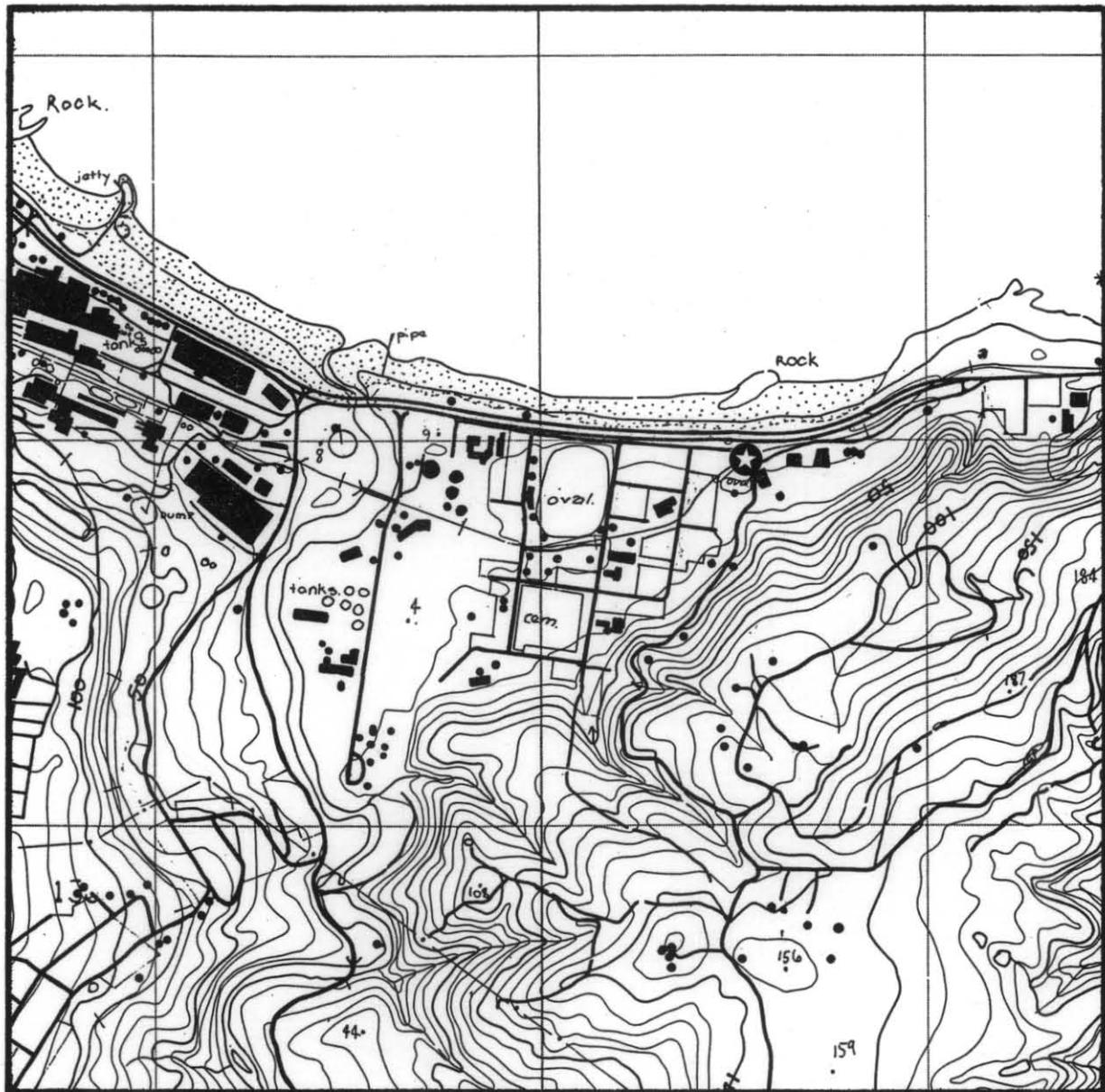
CAMDALE - sketch location plan



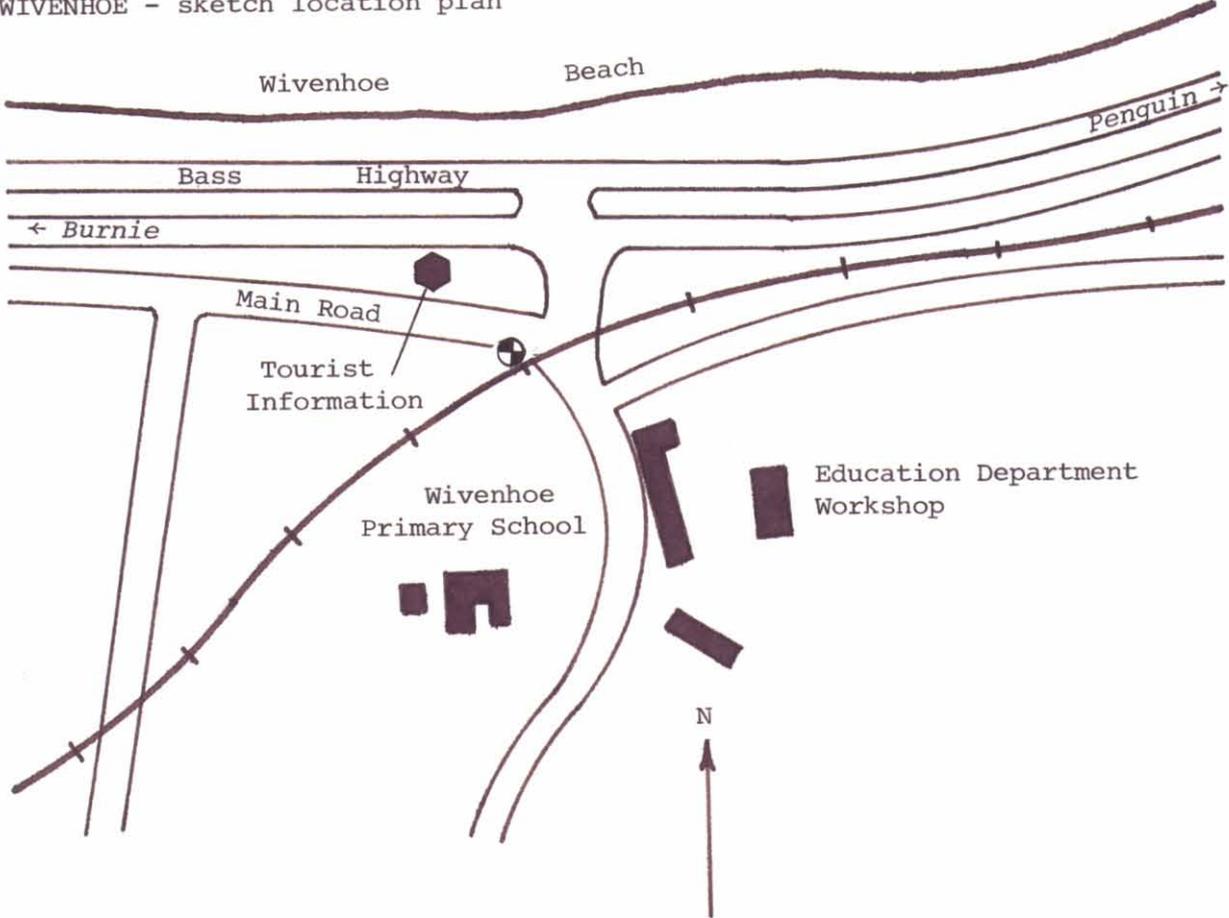
WIVENHOE (8751-9004)

AMG reference: 410550 mE
5452950 mN

Description: Gravity station is a hole drilled in the concrete surround of a yellow-painted fireplug. The plug is located on the western side of Stowport Road between the old Main Road and the railway line.



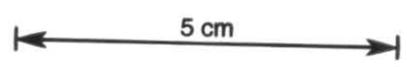
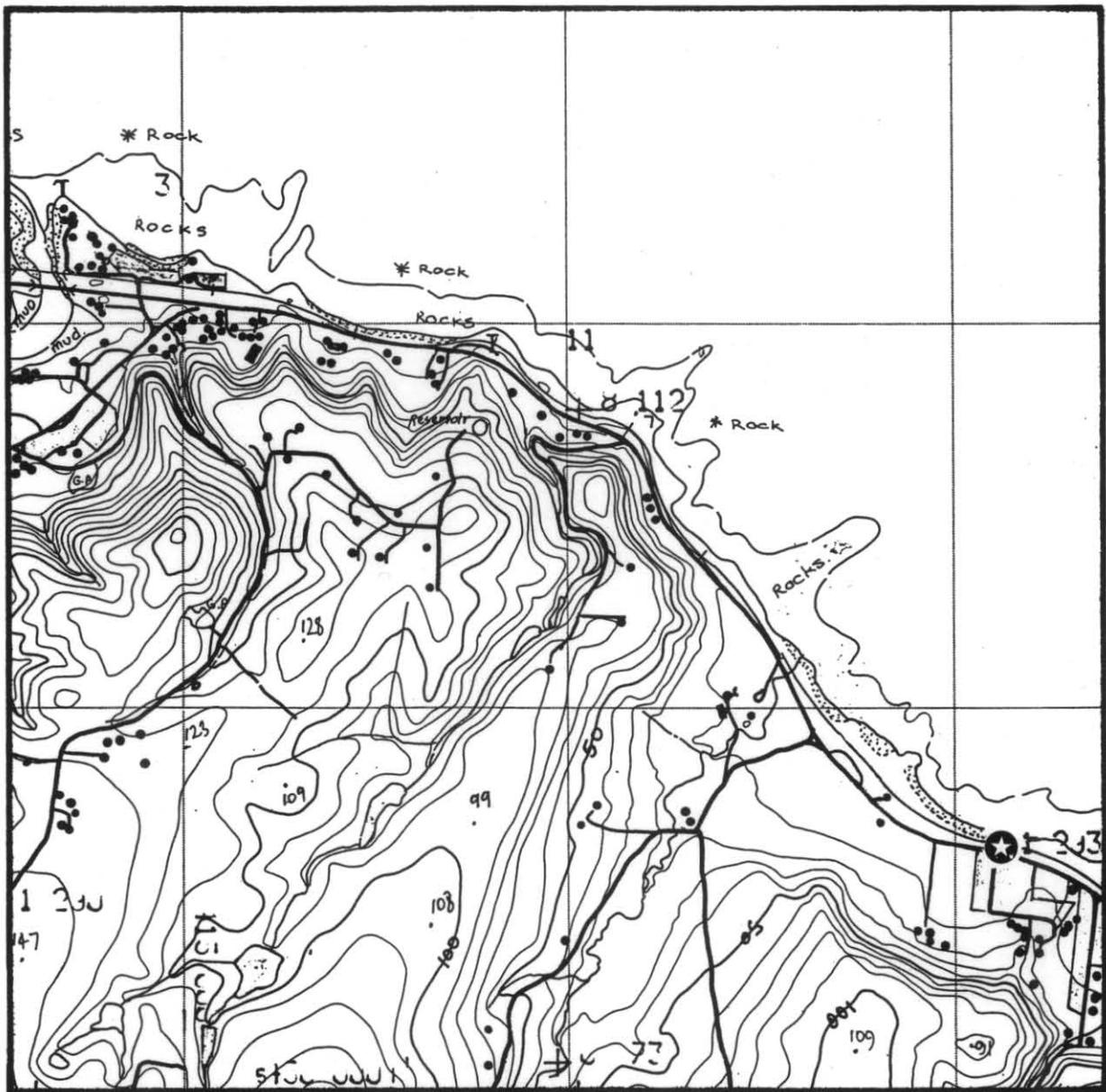
WIVENHOE - sketch location plan



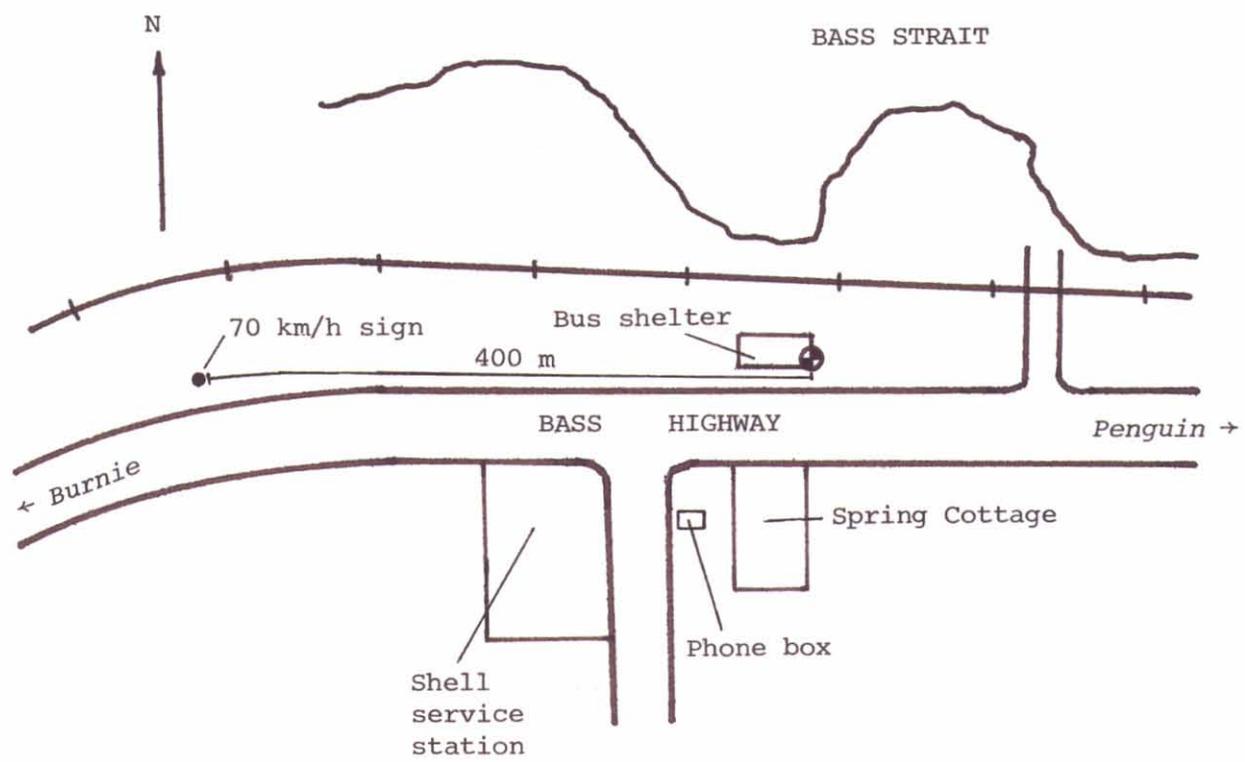
SULPHUR CREEK (8751-9005)

AMG reference: 417400 mE
5450600 mN

Description: Gravity station is a metal tube in the concrete slab of the aluminium-clad bus waiting shed on the seaward side of the Bass Highway at the Burnie end of Sulphur Creek. The station is just to the east of the Bass Highway/Hogarth Road intersection.



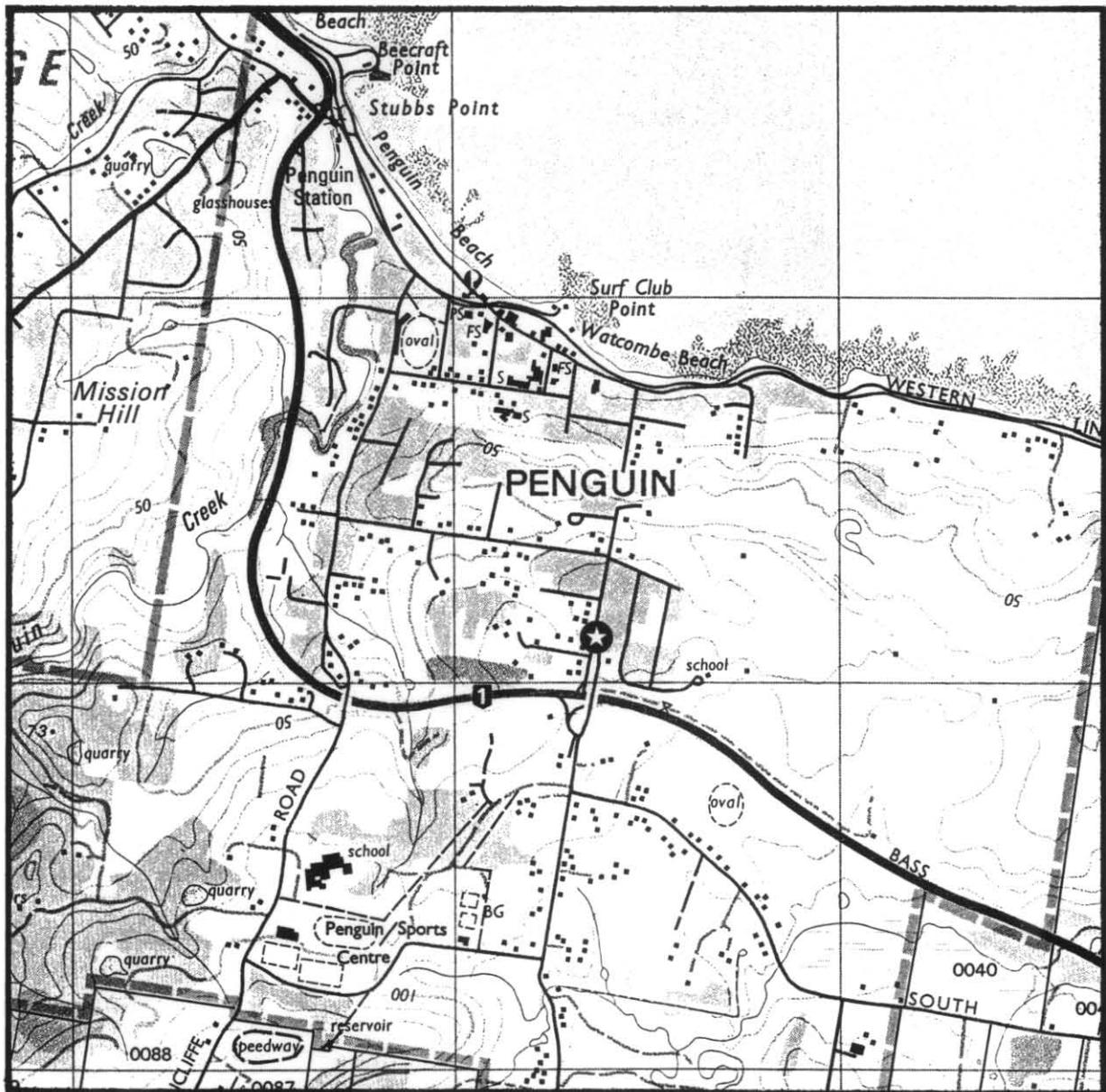
SULPHUR CREEK - sketch location plan



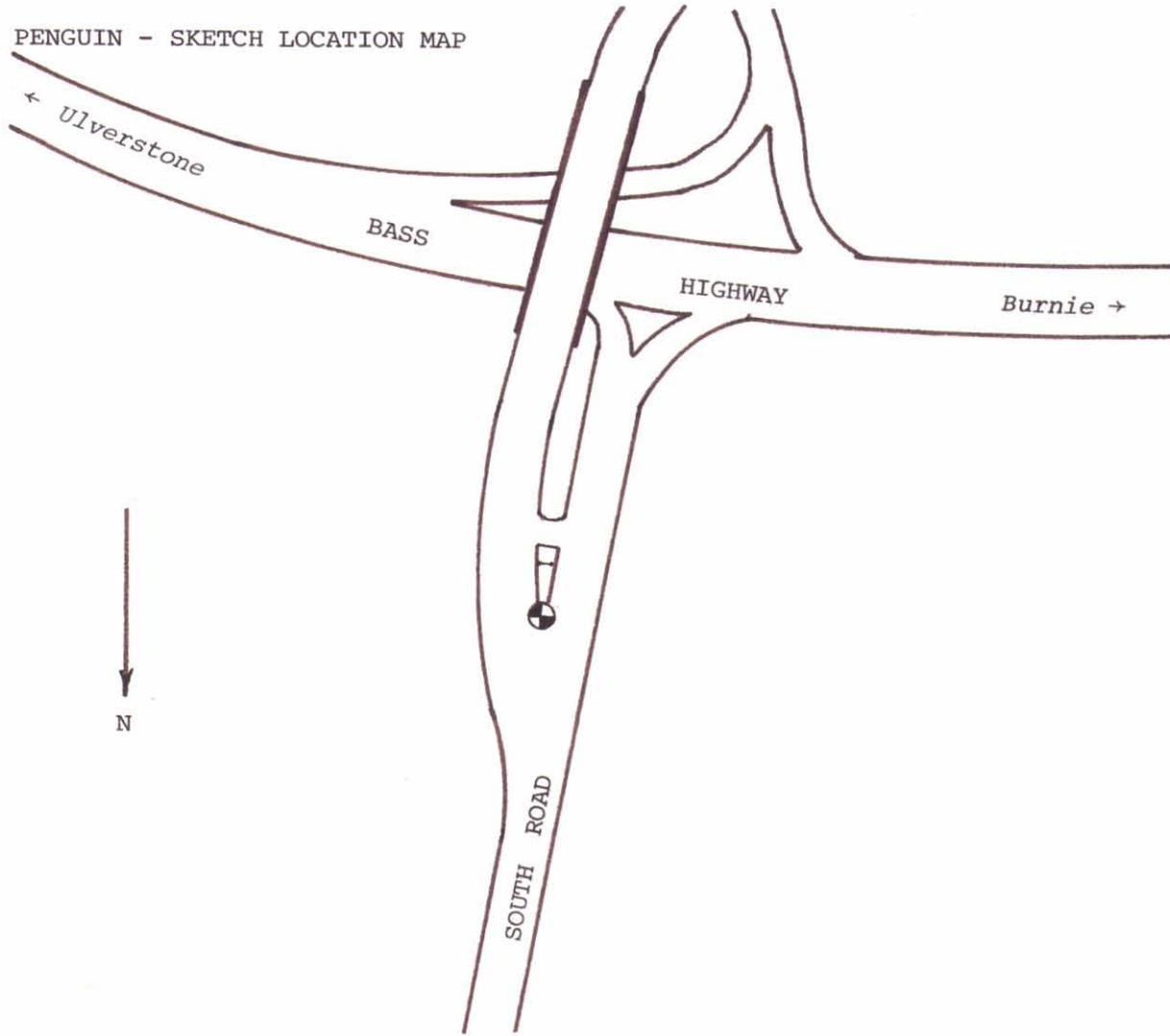
PENGUIN (8751-9006)

AMG reference: 422350 mE
5447100 mN

Description: Gravity station is a metal bolt inserted in the concrete kerb at the northern end of the traffic island formed by the junction of South Road and the slip road from the Bass Highway. The station is about 100 m to the north of the bridge carrying South Road over the Bass Highway.



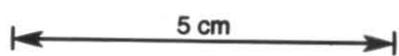
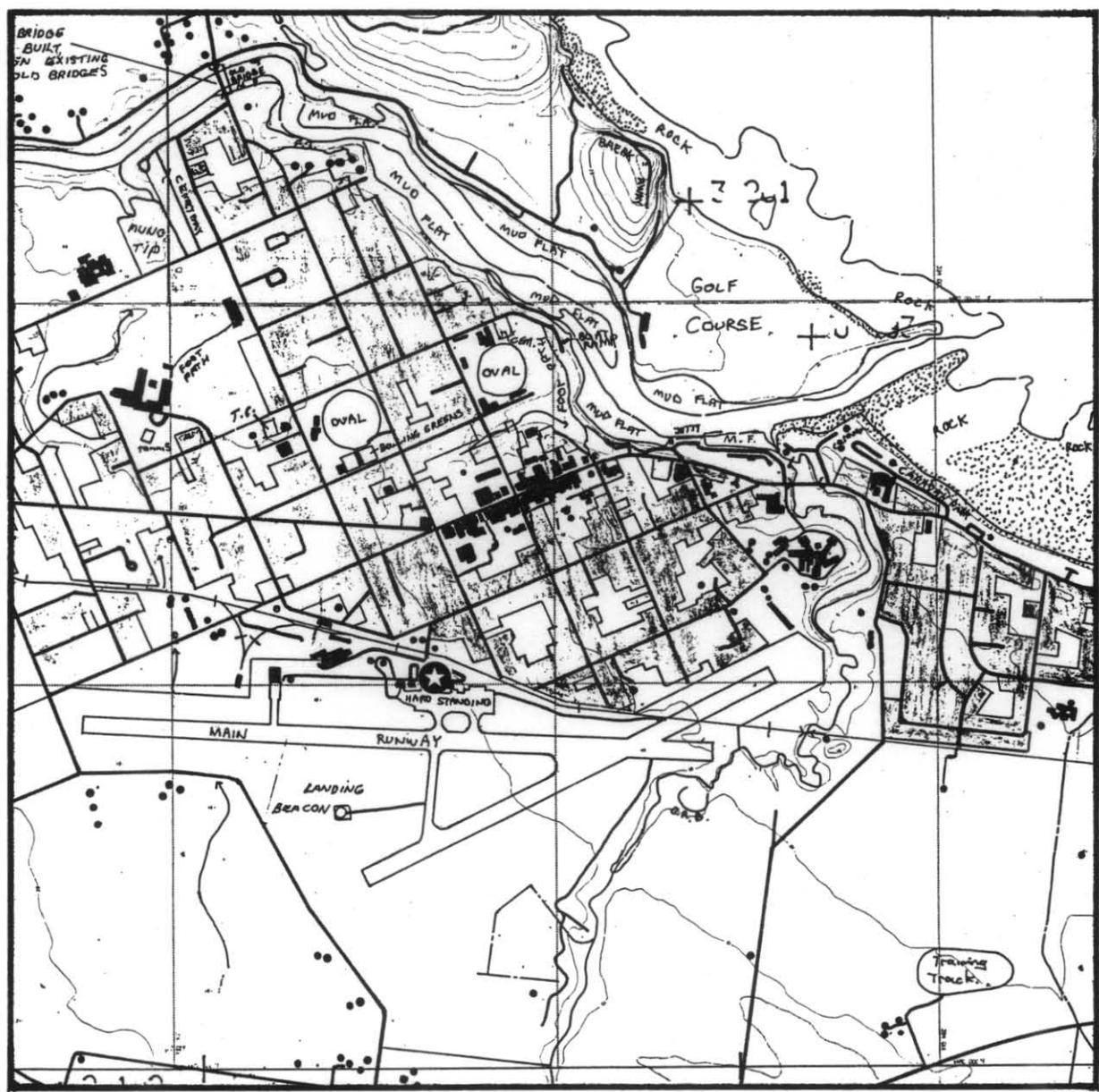
PENGUIN - SKETCH LOCATION MAP



WYNYARD AIRPORT (8751-9007)

AMG reference: 392730 mE
5461000 mN

Description: Gravity station is a metal bolt inserted in the concrete verandah slab of the former East-West airline terminal at Wynyard Airport. The building is at the eastern end of the terminal complex at the airport. The station is at the eastern end of the verandah slab, immediately adjacent to the wall of the building.



WYNYARD AIRPORT - sketch location plan

