



Newcastle GPS Validation Network

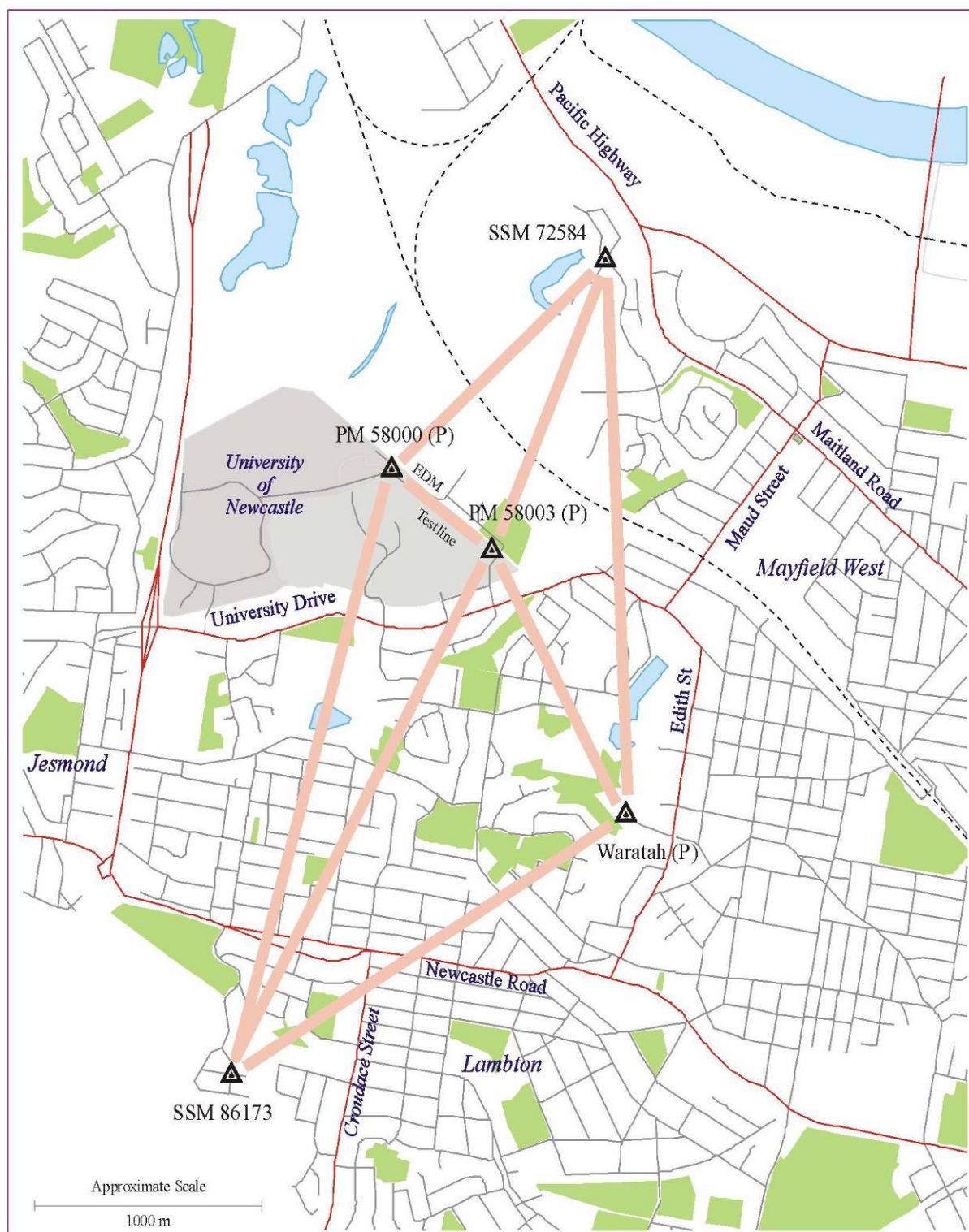
User Documentation

Please find the following attachments:

1. Network diagram.
2. List of coordinates and geoid values.
3. Sketch plans for...
 - SSM 72584
 - SSM 86173
 - PM 58000 (P)
 - PM 58003 (P)
4. Access details for TS 4631, Waratah (P).

Note! PM 58000 & PM 58003 have minor obstructions.
A 10mm (3/8") allen key is required to remove the mast & vanes at Waratah Trig.

Newcastle GPS Validation Network



GDA94 Coordinates

Waratah (P) TS 4631 S 32 54 13.92293 E 151 43 03.33117 103.653 (ellipsoid)

GDA94 & AHD Coordinates

MGA Zone 56

Mark	Easting	Northing	AHD
PM 58000	379021.411	6360100.213	26.430
PM 58003	379501.681	6359722.599	15.753
SSM 72584	380002.753	6360930.922	13.545
SSM 86173	378300.051	6357531.995	23.477
TS 4631	380068.905	6358641.055	77.580

Note! AHD values are derived using the geoid values below.

Warning! These coordinates are to be used for GPS validation only. The values differ from those published in the Survey Control Information Management System (SCIMS).

Geoid / Ellipsoid Separation (N)

Source: AUSGEOID98

Mark	N
PM 58000	26.128
PM 58003	26.112
SSM 72584	26.149
SSM 86173	26.047
TS 4631	26.073

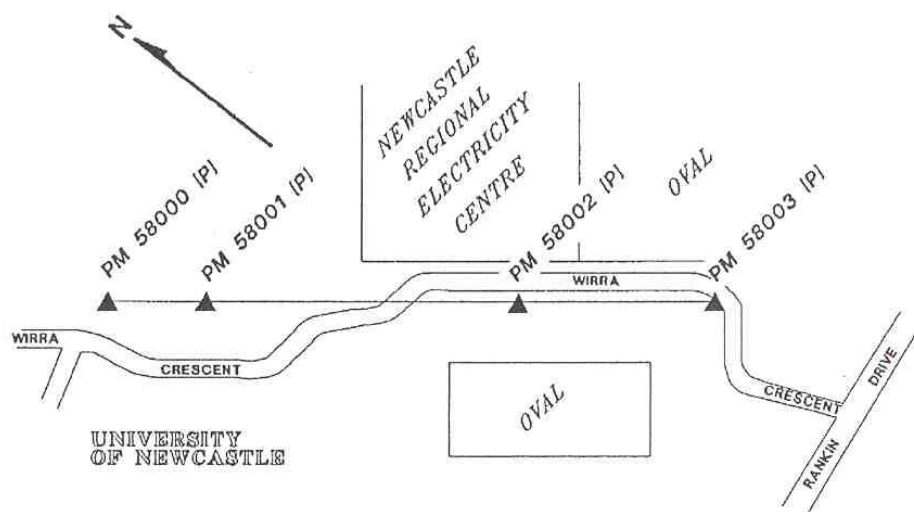


Other than for the purpose of research
or for dealing no part of this data may
be reproduced by any means without
prior written permission.

LOCALITY SKETCH PLAN

PM 58000, 58001
58002, 58003
SSM
Description Conc pillar

Parish County Town/Suburb/Locality Newcastle
Municipality or Shire C.M.A. Map Sheet Kooragang Island U6357-8



SURVEY PRACTICE REGULATION 1990			
MARK	AHD	SOURCE	DATE
HEIGHT DETERMINED BY DIFF. LEVELLING (specify) TRIG. HEIGHTING			
ADOPTED MARKS			

Measurements are in metres

PM 58000, 58001
58002, 58003
SSM

I certify that the Mark or Marks have been placed and numbered as detailed hereon.

Signed
Mark placed / /19

Replaces PM Organization placing Marks
SSM
Ref.

© LAND INFORMATION CENTRE
NEW DEPARTMENT OF LANDS

Other than for the purpose of research or for teaching on part of this data may be reproduced by any means without prior written permission.

LOCALITY SKETCH PLAN

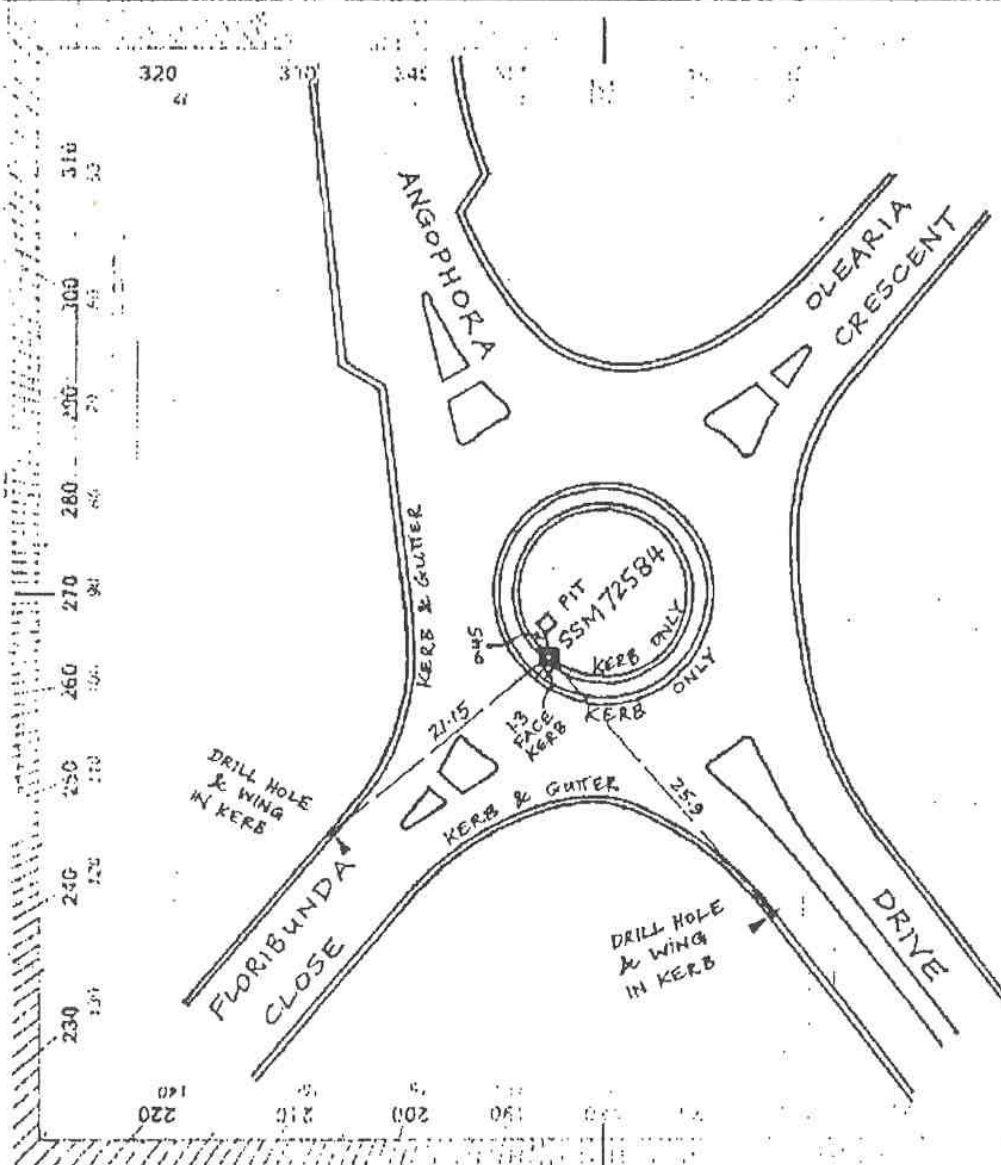
PM

SSM-72584

Description

Parish NEWCASTLE County NORTHUMBERLAND Town/Suburb/Locality WARABROOK

Municipality or Shire: NEWCASTLE C.M.A. Map Sheet: KOORAGANG ISLAND 46357-5



Measurements are in metres

I certify that the Mark or Marks have been placed and numbered as detailed hereon.

PM

SSM_72584

Signed

Mark placed / / // 1189/.

Replaces PM
SSM

Organization placing Marks PALMER, BRYN & PARKER

Ref. S 2248 - 360



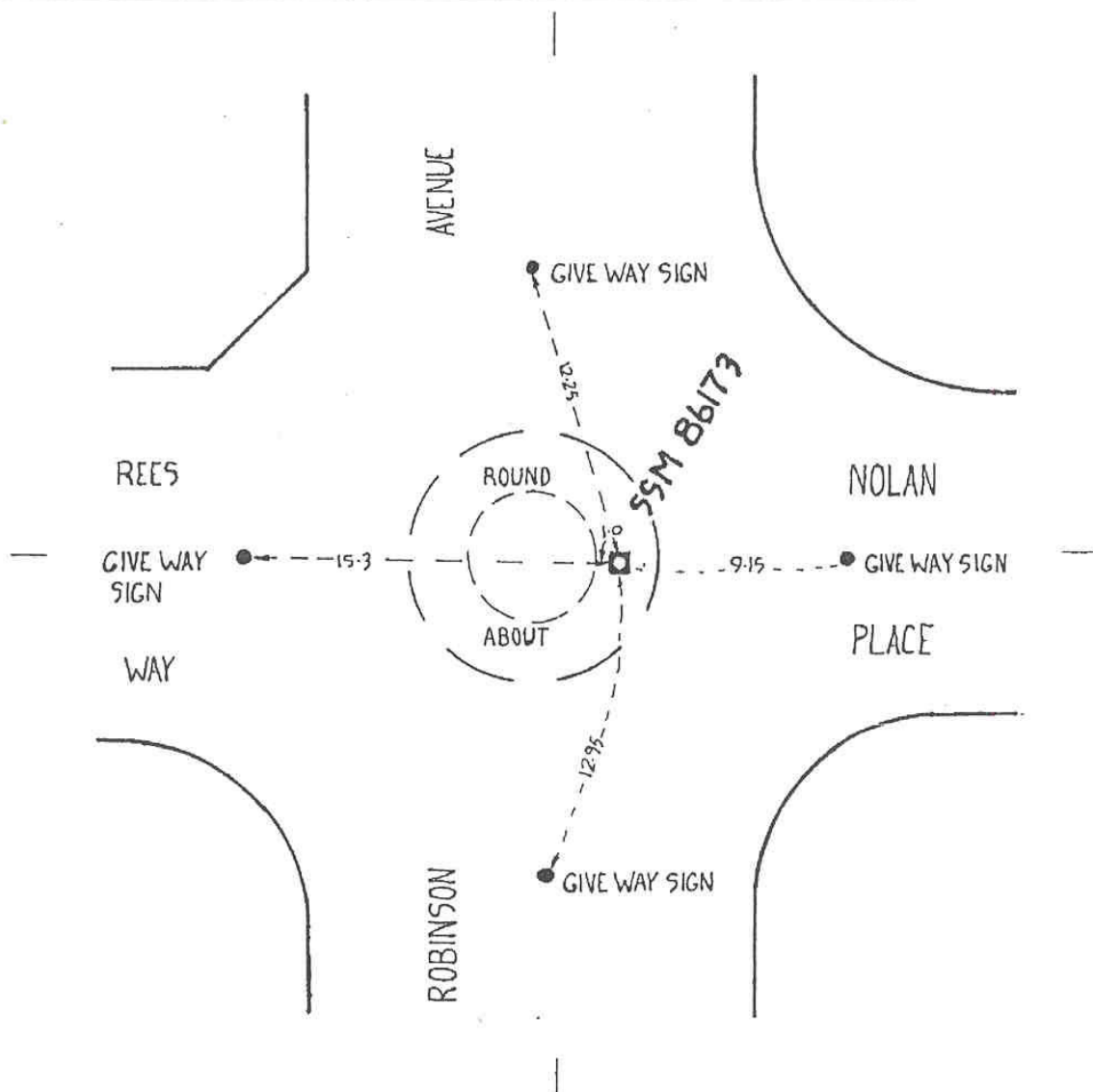
Other than for the purpose of research
or for dealing in part of this data may
be reproduced by any means without
prior written permission.

LOCALITY SKETCH PLAN

PM _____
SSM 86173

Description _____

Parish NEWCASTLE County NORTHUMBERLAND Town/Suburb/Locality JESMOND
Municipality or Shire Newcastle C.M.A. Map Sheet Adamstown U6350-1



4

SURVEY PRACTICE REGULATION 1990			
MARK	AHD	SOURCE	DATE
HEIGHT DETERMINED BY DIFF. LEVELLING (specify) TRIG. HEIGHTING			
ADOPTED MARKS			

Measurements are in metres

I certify that the Mark or Marks have been placed and numbered as detailed hereon.

PM _____
SSM 86173

Signed Neil [Signature]
Mark placed 5 / 4 / 1994

Replaces PM _____ Organization placing Marks PALMER, BRUYN & PARKER
SSM _____ Ref. S. 862-111

ACCESS TO WARATAH (P).

23/8/75

Access:

Km's FEATURE

0.00 Intersection. of Edith St. & Griffiths Rd., Lambton
 Travel north along Edith Street.
0.65 Turn left up bitumen road at sign "Braye Park. Lookout"
0.90 Trig.